

Appendix C

Air Quality Greenhouse Gas and
Energy Modeling

2035 Master Plan Emissions Summary

Construction Emissions Summary

Unmitigated

Year	ROG (lb/day)	ROG (tons/quarter)	NOX (lb/day)	NOX (tons/quarter)	ROG + NOX (lb/day)	ROG + NOX (tons/quarter)	Diesel PM10 (lb/day)	Diesel PM10 (tons/quarter)	Fugitive PM10 (tons/quarter)	Total MTCO2e
2021	37	0.6	128	1.4	165	2.0	5.7	0.06	0.36	898
2022	35	0.6	111	1.2	146	1.8	4.8	0.05	0.36	889
2023	34	0.6	100	1.1	134	1.7	4.2	0.05	0.36	881
2024	34	0.6	93	1.0	127	1.6	3.8	0.04	0.36	880
2025	33	0.6	83	0.9	116	1.5	3.3	0.04	0.36	870
2026	33	0.6	83	0.9	116	1.5	3.3	0.04	0.36	865
2027	33	0.6	83	0.9	115	1.5	3.3	0.04	0.36	859
2028	33	0.6	82	0.9	115	1.5	3.3	0.04	0.36	852
2029	33	0.6	82	0.9	115	1.5	3.3	0.04	0.36	850
2030	30	0.5	49	0.6	79	1.1	1.3	0.01	0.38	1,050
2031	30	0.5	49	0.6	79	1.1	1.3	0.01	0.38	1,045
2032	30	0.5	49	0.6	79	1.1	1.3	0.01	0.38	1,045
2033	30	0.5	49	0.6	79	1.1	1.3	0.01	0.38	1,035
2034	30	0.5	48	0.6	79	1.1	1.3	0.01	0.38	1,032
2035	29	0.5	39	0.5	68	1.0	0.9	0.01	0.38	1,028
Total										14,079
Threshold					137	2.5	7	0.13		

Operation Emissions Summary - Unmitigated (2035)

Source	ROG (lb/day)	ROG (tons/year)	NOX (lb/day)	NOX (tons/year)	ROG + NOX (lb/day)	ROG + NOX (tons/year)	CO (lb/day)	Diesel PM10 (tons/year)	Fugitive PM10 (lb/day)	Fugitive PM10 (tons/year)	Total MTCO2e
Area	132	23.9	3	0.4	134	24.4	225	0.2	-	-	62
Energy	1	0.2	11	2.0	12	2.2	7	0.2	-	-	3,993
Mobile	9	1.2	43.1	5.8	52	7.0	154	0.1	105.0	13.3	9,154
Waste											550
Water											215
Amortized Construction											563
Total	142	25.3	56	8.2	199	33.5	386	0.4	105.0		14,537

Operation Emissions Summary - Mitigated (2035)

Source	ROG (lb/day)	ROG (tons/year)	NOX (lb/day)	NOX (tons/year)	ROG + NOX (lb/day)	ROG + NOX (tons/year)	CO (lb/day)	Diesel PM10 (tons/year)	Fugitive PM10 (lb/day)	Fugitive PM10 (tons/year)	Total MTCO2e
Area	102	18.6	2	0.3	104	18.9	171	0.2	-	-	43
Energy	1	0.2	11	2.0	12	2.2	7	0.2	-	-	2,205
Mobile	7	0.9	34.5	4.7	42	5.6	123	0.0	84.0	10.6	7,323
Waste											325
Water											172
Amortized Construction											563
Total	111	19.7	47	7.0	158	26.7	301	0.4	84.0		10,631

Construction Modeling Assumptions

Land Uses under 2035 Master Plan

Land Use Type	Size	Unit	Timing
Academic, Administrative, Support	1290000	sq ft	Ongoing
Student Housing*	7200	beds	Ongoing
Faculty/Staff Housing	380	DU	Near-term
Retail	7000	sq ft	Near-term
Amenity Space	12000	sq ft	Near-term
Parking	525	spaces	Near-term
University-Based Retirement Community			Near-term
Independent Living	120	DU	Near-term
Assisted Living	80	DU	Near-term
Recreation and Athletic Facilities			Long-term
Spanos Stadium	1.9	acres	Long-term
Creekside Village	122000	sq ft	Long-term
Sports Fields	15.9	acres	Long-term
Informal Recreation	16.5	acres	Long-term
Plazas	3.2	acres	Long-term
Parking	181	spaces	Long-term
Wastewater Recovery Facility	14100	sq ft	Near-term

Building to be Renovated		
Academic, Administrative, Support	455,000	sq ft
Annual Demolition	30,333	sq ft

Total New Construction		
Academic, Administrative, Support	1745000	sq ft

Construction Schedule				
Year		Amount	Unit	CalEEMod Land Use
2021	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Mid Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
2022	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
2023	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
2024	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
2025	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
2026	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator

	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
2027	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
	Academic, Administrative, Support	116,333	sq ft	General Office Building
2028	Student Housing	144,000	sq ft	Apartments Low Rise
	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
2029	Faculty/Staff Housing	42	DU	Apartments Mid Rise
	Retail	778	sq ft	Convenience Market (24-Hour)
	Amenity Space	1,333	sq ft	Health Club
	Parking	58	spaces	Unenclosed Parking w/ Elevator
	Independent Living	13	DU	Retirement Community
	Assisted Living	9	DU	Congregate Care
	Wastewater Recovery Facility	1,567	sq ft	General Heavy Industry
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
2030	Creekside Village	22,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
	Parking	30	spaces	Unenclosed Parking w/ Elevator
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
	Creekside Village	22,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
2031	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
	Parking	30	spaces	Unenclosed Parking w/ Elevator
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	480	beds	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
	Creekside Village	22,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
2032	Parking	30	spaces	Unenclosed Parking w/ Elevator
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
	Creekside Village	22,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
	Parking	30	spaces	Unenclosed Parking w/ Elevator
	Academic, Administrative, Support	116,333	sq ft	General Office Building
2033	Student Housing	144,000	sq ft	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
	Creekside Village	22,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
	Parking	30	spaces	Unenclosed Parking w/ Elevator
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
2034	Creekside Village	22,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
	Parking	30	spaces	Unenclosed Parking w/ Elevator
	Academic, Administrative, Support	116,333	sq ft	General Office Building
	Student Housing	144,000	sq ft	Apartments Low Rise
	Spanos Stadium	0.3	acre	Arena
	Creekside Village	12,000	sq ft	Health Club
	Sports Fields	2.7	acre	City Park
2035	Informal Recreation	2.8	acre	City Park
	Plazas	0.5	acre	City Park
	Parking	30	spaces	Unenclosed Parking w/ Elevator

*Student Housing Assumptions	
300	sq ft/bed

Operation Modeling Assumptions

Land Uses under 2035 Master Plan

Land Use Type	Size	Unit	Timing
Academic, Administrative, Support	1290000	sq ft	Ongoing
Student Housing*	7200	beds	Ongoing
Faculty/Staff Housing	380	DU	Near-term
Retail	7000	sq ft	Near-term
Amenity Space	12000	sq ft	Near-term
Parking	525	spaces	Near-term
University-Based Retirement Community			Near-term
Independent Living	120	DU	Near-term
Assisted Living	80	beds	Near-term
Recreation and Athletic Facilities			Long-term
Spanos Stadium	1.9	acres	Long-term
Creekside Village	2.8	acres	Long-term
Sports Fields	15.9	acres	Long-term
Informal Recreation	16.5	acres	Long-term
Plazas	3.2	acres	Long-term
Parking	181	spaces	Long-term
Wastewater Recovery Facility	14100	sq ft	Near-term

Near-Term Projects	CalEEMod Land Use	Size	Unit
Classroom and Offices building	General Office	72	1000 sq ft
Beef Cattle Evaluation Center Expansion	General Light Industry	10	1000 sq ft
Engineering Projects Building	General Office	71	1000 sq ft
Facilities Operations Complex	General Light Industry	108	1000 sq ft
Health Center	Medical Office	65	1000 sq ft
Student Housing	Apartments Mid-Rise	660	1000 sq ft
Student Housing	Apartments Mid-Rise	180	1000 sq ft
Technology Park Facility	Office Park	125	1000 sq ft
Building 19 - Dining Commons	General Office	44	1000 sq ft
Farm Shop	General Light Industry	51.2	1000 sq ft
IT Services Consolidation	General Office	15	1000 sq ft
University-based Retirement Community	Retirement Community	120	DU
Memory Care Facility	Congregate Care	80	DU
Slack & Grand Housing	Apartments Mid-Rise	380	1000 sq ft
Slack & Grand Retail	Convenience Market (24 hour)	7	1000 sq ft
Slack & Grand Parking	Unenclosed Parking w/ Elevator	525	spaces
Slack & Grand amenity space	Health Club	12	1000 sq ft
Wastewater Recovery Facility	General Heavy Industry	14.1	1000 sq ft

Long-Term Projects	CalEEMod Land Use	Size	Unit
Academic, Administrative, Support	General Office	729	1000 sq ft
Student Housing	Apartments Mid-Rise	1,320	1000 sq ft
Spanos Stadium	Arena	1.9	acres
Creekside Village	Health Club	122	1000 sq ft
Sports Fields	City Park	15.9	acres
Informal Recreation	City Park	16.5	acres
Plazas	City Park	3.2	acres
Parking	Unenclosed Parking w/ Elevator	181	spaces

GHG Threshold Development

State GHG Reduction Targets

Milestone Year	Statewide Existing and Target Emissions (MMTCO2e)	Target Percent Reduction from 2015
1990	337	NA
2015	330	NA
2020	337	-2%
2030	202	39%
2035	169	49%
2040	135	59%
2050	67	80%

Notes: CARB state inventory current through 2015. 2040 "targets" interpolated between 2030
Source: California GHG Inventory. CARB 2014 and 2016

	MTCO2e/year
Cal Poly 2015 Inventory	47,115
Cal Poly Emissions Limit 2035	24,086
	2035
Population (students + employees)	27,413
Per Capita (students + employees)	0.88 MTCO2e/capita
Total New Students	4056
Total New Employees	787
Mass Emission Limit - students + employees	4,255 MTCO2e/year
2035 TOTAL POPULATION	
faculty	2413
students	25000
Total Population	27,413

Source: Table 2-3 of Project Description

	State of California Inventory Emissions MMTCO2e/year			Cal Poly Inventory Emissions (MTCO2e/year)	
Emission Sectors	1990	2015		1990	2015
Agriculture	26	34.65		2,315	1,348
Residential and Commercial	44	37.92		14,352	12,572
Electric Power	108	83.67		7,260	8,358
High GWP	3	19.05		0	0
Industrial	98	91.71		0	0
Recycling and Waste	7	8.73		1,418	227
Transportation (Including TCU)	152	164.63		21,670	24,610
Sub Total	431	440.36			
Adjusted Total	337	329.6		47,015	47,115

Source: 2017 Scoping Plan, 2015 State of California Inventory (CARB 2017)

VMT Calculations

Daily to Annual Conversion

Background Calculations and Assumptions	2018-2019 Academic Year
Weeks per Quarter	10
Days per week	5
Holidays per year (excluding breaks)	7 https://registrar.calpoly.edu/2018-19-academic-calendar
Academic Year Enrollment (Fall quarter FTE)	21,812 MP PD
Summer Enrollment	2,181 MP PD
Summer Ratio of Academic Year Enrollment	10%
Staff and Faculty	3,266 MP PD
Students + Staff/Faculty (calculated)	27,259

Fall Academic Day Equivalent Calculation

Student

Weekday Trips	1.56 ITE Trip Gen 10th Edition (from Greg Behrens 1/15/18 2:14pm to Brenda Hom)
Saturday Ratio	76% CalEEmod. Appendix D. Table 4.3.
Sunday Ratio	0 CalEEmod. Appendix D. Table 4.3.
Holiday Ratio	0 Assumption

Employee

Weekday Trips	8.89 ITE Trip Gen 10th Edition (from Greg Behrens 1/15/18 2:14pm)
Saturday ratio	36% CalEEmod. Appendix D. Table 4.3.
Sunday ratio	0 CalEEmod. Appendix D. Table 4.3.
Holiday ratio	0 Assumption

	Ratio relative to FAD	
3 Quarter Weekend	34.8%	<-calculates % of FAD for non-FADs
Summer Weekend	5%	
Holiday	0%	
School Breaks	2.0%	

	FAD Equivalents	
3 Quarter Academic Days	150.0	<-Based on total days minus school weeks and holidays
3 Quarter Weekend Days	10.4	
Summer Quarter Academic Days	100.0	
Summer Quarter Weekends	1.0	
Holiday	-	
School Breaks	5.7	
Total FAD Equivalents	267.144	

Project Generated VMT	
Daily VMT	132,900
Annual VMT	35,503,499

CalEEMod VMT Calculator - Default CalEEMod

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the UNMITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
University	13.00	5.00	5.000	6.4%	88.6%	5.0%	91.0%	9.0%	0.0%

Total Trips

Total Trips = (TripRate weekday x 5 +Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			Total Trips (weekly)
	weekday	Saturday	Sunday	
University	7495	0	0	37475

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary+link % divertedx0.25x length trip primary+link % passbyx0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use								
University	link % primary	primary	link % diverted	Constant (0.25)	primary	link % passby	constant	Trip Length
H-W or c-w	91.0%	13.00	9.0%	0.25	13.00	0.0%	0.1	12.1
h-s or c-c	91.0%	5.00	9.0%	0.25	5.00	0.0%	0.1	4.7
h-o or c-o	91.0%	5.00	9.0%	0.25	5.00	0.0%	0.1	4.7

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type table for each land use

University				
H-W or c-w	2,398	12.1	29,075	
h-s or c-c	33,203	4.7	154,808	
h-o or c-o	1,874	4.7	8,736	
Total VMT			192,619	10,016,201

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT192,619.25

Weeks per Year CalEEMod Uses for Annual VMT52.00

Calculated Annual VMT10,016,201

CalEEMod VMT Calculator - Adjusted CalEEMod

Daily VMT Provided by Traffic Study 132,900

Annual VMT 35,503,499

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
University	16.60	20.00	15.110	6.4%	88.6%	5.0%	91.0%	9.0%	0.0%

Total Trips

Total Trips = (TripRate weekday x 5 +Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			Total Trips (weekly)
	weekday	Saturday	Sunday	
University	7495	0	0	37475

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary+link % divertedx0.25x length trip primary+link % passbyx0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use	link % primary	primary	link % diverted	Constant (0.25)	primary	link % passby	constant	Trip Length
H-W or c-w	91.0%	16.60	9.0%	0.25	16.60	0.0%	0.1	15.5
h-s or c-c	91.0%	20.00	9.0%	0.25	20.00	0.0%	0.1	18.7
h-o or c-o	91.0%	15.11	9.0%	0.25	15.11	0.0%	0.1	14.1

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type table for each land use

University				
H-W or c-w	2,398	15.5	37,126	
h-s or c-c	33,203	18.7	619,233	
h-o or c-o	1,874	14.1	26,401	
Total VMT			682,760	35,503,544

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT 682,760.46

Weeks per Year CalEEMod Uses for Annual VMT 52.00

Calculated Annual VMT 35,503,544 (45)

Construction Emissions - CalEEMod										
Year	ROG (lb/day)	ROG (tons/quarter)	NOX (lb/day)	NOX (tons/quarter)	ROG + NOX (lb/day)	ROG + NOX (tons/quarter)	Diesel PM10 (lb/day)	Diesel PM10 (tons/quarter)	Fugitive PM10 (tons/quarter)	Total MTCO2e
2021	33.43	0.58	95.03	1.04	128.46	1.63	4.15	0.05	0.12	696.90
2022	32.25	0.57	81.25	0.91	113.50	1.48	3.44	0.04	0.12	687.98
2023	31.49	0.56	72.79	0.81	104.28	1.37	2.95	0.03	0.12	680.83
2024	31.06	0.56	67.59	0.77	98.65	1.33	2.73	0.03	0.12	680.08
2025	30.55	0.55	60.23	0.71	90.77	1.26	2.35	0.03	0.12	671.34
2026	30.51	0.55	60.12	0.71	90.63	1.25	2.34	0.03	0.12	665.88
2027	30.47	0.55	60.03	0.70	90.49	1.25	2.34	0.03	0.12	660.98
2028	30.53	0.55	59.94	0.70	90.47	1.25	2.34	0.03	0.12	654.06
2029	30.38	0.55	59.86	0.70	90.24	1.25	2.34	0.03	0.12	652.79
2030	27.61	0.49	34.57	0.50	62.18	0.98	0.88	0.01	0.14	829.47
2031	27.55	0.49	34.47	0.50	62.02	0.98	0.88	0.01	0.14	825.43
2032	27.41	0.48	34.37	0.49	61.79	0.98	0.88	0.01	0.14	825.27
2033	27.54	0.48	34.29	0.49	61.84	0.97	0.88	0.01	0.14	815.73
2034	27.51	0.48	34.23	0.49	61.73	0.97	0.88	0.01	0.14	813.24
2035	26.83	0.48	27.20	0.43	54.03	0.90	0.57	0.01	0.14	808.78

ROG Adjustment	2021
CalEEMod Arch Coating Emissions (lb/day)	288.2474
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2022
CalEEMod Arch Coating Emissions (lb/day)	286.9079
Building Days	195
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	156

ROG Adjustment	2023
CalEEMod Arch Coating Emissions (lb/day)	286.8858
Building Days	195
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	156

ROG Adjustment	2024
CalEEMod Arch Coating Emissions (lb/day)	287.9045
Building Days	197
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2025
CalEEMod Arch Coating Emissions (lb/day)	287.8116
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2026
CalEEMod Arch Coating Emissions (lb/day)	287.8029
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2027
CalEEMod Arch Coating Emissions (lb/day)	287.7942
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2028
CalEEMod Arch Coating Emissions (lb/day)	287.7851
Building Days	195
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	156

ROG Adjustment	2029
CalEEMod Arch Coating Emissions (lb/day)	287.7754
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2030
CalEEMod Arch Coating Emissions (lb/day)	248.6414
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2031
CalEEMod Arch Coating Emissions (lb/day)	248.6287
Building Days	196
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2032
CalEEMod Arch Coating Emissions (lb/day)	248.6169
Building Days	197
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	157

ROG Adjustment	2033
CalEEMod Arch Coating Emissions (lb/day)	248.6072
Building Days	195
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	156

ROG Adjustment	2034
CalEEMod Arch Coating Emissions (lb/day)	248.5994
Building Days	195
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	156

ROG Adjustment	2035
CalEEMod Arch Coating Emissions (lb/day)	248.3358
Building Days	195
Paving Days	13
Arch Coating Days	13
Adjusted Arch Coating Days	156

Infrastructure										
Year	ROG (lb/day)	ROG (tons/quarter)	NOX (lb/day)	NOX (tons/quarter)	ROG + NOX (lb/day)	ROG + NOX (tons/quarter)	Diesel PM10 (lb/day)	Diesel PM10 (tons/quarter)	Fugitive PM10 (tons/quarter)	Total MTCO2e
2021	3.36	0.0325	33.46	0.3325	36.82	0.365	1.57	0.015	0.2375	201.24
2022	3.05	0.03	29.59	0.2925	32.64	0.3225	1.35	0.0125	0.2375	200.79
2023	2.86	0.0275	27.23	0.27	30.09	0.2975	1.2	0.0125	0.2375	200.26
2024	2.72	0.0275	25.37	0.25	28.09	0.2775	1.09	0.01	0.2375	199.69
2025	2.49	0.025	22.53	0.2225	25.02	0.2475	0.92	0.01	0.2375	199.14
2026	2.48	0.025	22.52	0.2225	25	0.2475	0.92	0.01	0.2375	198.65
2027	2.48	0.025	22.51	0.2225	24.99	0.2475	0.92	0.01	0.2375	198.21
2028	2.47	0.025	22.5	0.2225	24.97	0.2475	0.92	0.01	0.2375	197.8
2029	2.47	0.025	22.5	0.2225	24.97	0.2475	0.92	0.01	0.2375	197.43
2030	2.6	0.025	14.26	0.14	16.86	0.165	0.44	0.005	0.2375	220.18
2031	2.6	0.025	14.26	0.14	16.86	0.165	0.44	0.005	0.2375	219.89
2032	2.59	0.025	14.26	0.14	16.85	0.165	0.44	0.005	0.2375	219.63
2033	2.59	0.025	14.25	0.14	16.84	0.165	0.44	0.005	0.2375	219.4
2034	2.59	0.025	14.25	0.14	16.84	0.165	0.44	0.005	0.2375	219.2
2035	2.35	0.0225	11.9	0.1175	14.25	0.14	0.3	0.0025	0.2375	219

Construction Assumptions													
2021													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2021	4.6053	47.6947	2.2023	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.3144	33.4356	1.69021	
Grading		30 Grading		20	8	11	11			6.0312	65.5385	2.81161	
Building		300 Building		196	9	12	12			3.4805	29.493	1.3367	
Paving		20 Paving		13	6	8	8			3.7735	17.5382	0.90022	
Arch Coating		20 Arch Coating		13	1	1	1			286.9321	1.6544	0.09655	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2022													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2022	3.833	39.1486	1.7582	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	260	4.228	43.6188	2.1147	
Grading		30 Grading		20	8	11	11			5.1839	54.7521	2.30707	
Building		300 Building		195	9	12	12			3.1563	26.501	1.1233	
Paving		20 Paving		13	6	8	8			3.5626	15.0188	0.73359	
Arch Coating		20 Arch Coating		13	1	1	1			286.9079	1.5233	0.08408	
Total		400		260		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2023													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	1/1/2023	3.2689	32.346	1.40078	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	260	3.5762	36.2463	1.66413	
Grading		30 Grading		20	8	11	11			4.6767	47.9166	1.97862	
Building		300 Building		195	9	12	12			2.9058	24.8718	0.9813	
Paving		20 Paving		13	6	8	8			3.4636	13.729	0.67786	
Arch Coating		20 Arch Coating		13	1	1	1			286.8838	1.4062	0.07332	
Total		400		260		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2024													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2024	3.2399	31.9592	1.45639	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	260	3.5759	36.8052	1.6188	
Grading		30 Grading		20	8	11	11			4.5406	45.1284	1.86198	
Building		300 Building		197	9	12	12			3.7232	20.4609	0.8659	
Paving		20 Paving		13	6	8	8			3.4026	12.8592	0.63232	
Arch Coating		20 Arch Coating		13	1	1	1			286.8667	1.3119	0.06316	
Total		400		262		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2025													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2025	3.0236	28.947	1.20838	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.1247	31.2486	1.43227	
Grading		30 Grading		20	8	11	11			4.1149	39.3144	1.59375	
Building		300 Building		196	9	12	12			2.5486	20.9133	0.7517	
Paving		20 Paving		13	6	8	8			3.2982	11.4918	0.56621	
Arch Coating		20 Arch Coating		13	1	1	1			286.8496	1.2298	0.05372	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2026													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	1/1/2026	3.0351	28.8697	1.20802	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.3211	33.2443	1.43223	
Grading		30 Grading		20	8	11	11			4.1105	39.3062	1.5937	
Building		300 Building		196	9	12	12			2.5338	20.8169	0.7511	
Paving		20 Paving		13	6	8	8			2.9591	11.4678	0.55627	
Arch Coating		20 Arch Coating		13	1	1	1			286.8429	1.2234	0.05365	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2027													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2027	3.0147	28.8035	1.20771	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.3174	33.2403	1.43216	
Grading		30 Grading		20	8	11	11			4.1061	39.3013	1.59362	
Building		300 Building		196	9	12	12			2.4791	20.7253	0.7502	
Paving		20 Paving		13	6	8	8			3.2919	11.4644	0.55621	
Arch Coating		20 Arch Coating		13	1	1	1			286.8369	1.2154	0.05352	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2028													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2028	3.0105	28.7446	1.20742	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	260	3.3174	33.2403	1.43216	
Grading		30 Grading		20	8	11	11			4.1044	39.2971	1.59356	
Building		300 Building		195	9	12	12			2.4435	20.6459	0.7493	
Paving		20 Paving		13	6	8	8			3.2886	11.4613	0.55615	
Arch Coating		20 Arch Coating		13	1	1	1			286.8303	1.2093	0.05338	
Total		400		260		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2029													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	1/1/2029	3.0061	28.6897	1.20724	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.3096	33.2335	1.432	
Grading		30 Grading		20	8	11	11			4.0965	39.2931	1.59342	
Building		300 Building		196	9	12	12			2.4062	20.5698	0.7486	
Paving		20 Paving		13	6	8	8			3.2851	11.4585	0.55607	
Arch Coating		20 Arch Coating		13	1	1	1			286.8322	1.2086	0.05324	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2030													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	1/1/2030	2.9781	15.1151	0.69982	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.3486	17.9117	0.73683	
Grading		30 Grading		20	8	11	11			4.4462	18.5494	0.66613	
Building		300 Building		196	9	12	12			2.5334	16.0222	0.7129	
Paving		20 Paving		13	6	8	8			3.2623	9.6613	0.46141	
Arch Coating		20 Arch Coating		13	1	1	1			247.2226	0.9277	0.02248	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2031													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	1/1/2031	2.9738	15.0778	0.69963	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	261	3.2446	17.9089	0.73707	
Grading		30 Grading		20	8	11	11			4.4411	18.546	0.66656	
Building		300 Building		196	9	12	12			2.4807	15.9229	0.7139	
Paving		20 Paving		13	6	8	8			3.2588	9.6388	0.46226	
Arch Coating		20 Arch Coating		13	1	1	1			247.2126	0.9111	0.02233	
Total		400		261		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2032													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2032	2.9642	14.9917	0.69957	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	262	3.2346	17.9024	0.73766	
Grading		30 Grading		20	8	11	11			4.4382	18.5406	0.66698	
Building		300 Building		196	9	12	12			2.4802	15.8336	0.71299	
Paving		20 Paving		13	6	8	8			3.2552	9.6566	0.4613	
Arch Coating		20 Arch Coating		13	1	1	1			247.2034	0.9122	0.02219	
Total		400		262		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2033													
Default Construction Schedule				Adjusted Schedule				Default Number of Equipment	Adjusted Number of Equipment	Start Date	Maximum Daily Emissions		
Phase	Days	Phase	Days	ROG (lb/day)	NOX (lb/day)	Diesel PM10 (lb/day)							
Demolition		20 Demolition		13	6	8	8	End Date	12/31/2033	2.9668	15.0166	0.69992	
Site Preparation		10 Site Preparation		7	7	9	9	Total Work Days	260	3.2375	17.9483	0.73666	
Grading		30 Grading		20	8	11	11			4.4323	18.5404	0.66659	
Building		300 Building		195	9	12	12			2.3923	15.7455	0.7101	
Paving		20 Paving		13	6	8	8			3.2524	9.6707	0.46226	
Arch Coating		20 Arch Coating		13	1	1	1			247.1958	0.9103	0.02207	
Total		400		260		50							
Percent Decrease in Days		-35%											
Percent Increase in Equipment per Phase		35%											
2034													
Default Construction Schedule				Adjusted Schedule									

PG&E Intensity

	2017	2020	2030	Source
Percent Renewable	29	33	60	
CO2 Intensity (lb/MWh)	210.44		118.56	Climate Registry 2017 - PG&E Specific; CEC Power Content Label 2017
CH4 Intensity (lb/MWh)	0.0331		0.02	Climate Registry 2017 - eGRID WECC California
N2O Intensity (lb/MWh)	0.004		0.002	Climate Registry 2017 - eGRID WECC California

Cal Poly MP Construction 2021 - San Luis Obispo County, Annual

Cal Poly MP Construction 2021

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2022	12/31/2021
tblConstructionPhase	PhaseEndDate	5/19/2022	11/26/2021
tblConstructionPhase	PhaseEndDate	1/28/2021	1/19/2021
tblConstructionPhase	PhaseEndDate	3/25/2021	2/25/2021
tblConstructionPhase	PhaseEndDate	6/16/2022	12/15/2021
tblConstructionPhase	PhaseEndDate	2/11/2021	1/28/2021
tblConstructionPhase	PhaseStartDate	6/17/2022	12/15/2021
tblConstructionPhase	PhaseStartDate	3/26/2021	2/26/2021
tblConstructionPhase	PhaseStartDate	2/12/2021	1/29/2021

tblConstructionPhase	PhaseStartDate	5/20/2022	11/27/2021
tblConstructionPhase	PhaseStartDate	1/29/2021	1/20/2021
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.3284	4.1781	3.6912	7.8000e-003	0.4769	0.1894	0.6662	0.1773	0.1763	0.3536	0.0000	693.5567	693.5567	0.1339	0.0000	696.9032

Maximum	2.3284	4.1781	3.6912	7.8000e-003	0.4769	0.1894	0.6662	0.1773	0.1763	0.3536	0.0000	693.5567	693.5567	0.1339	0.0000	696.9032

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	2.3284	4.1781	3.6912	7.8000e-003	0.4769	0.1894	0.6662	0.1773	0.1763	0.3536	0.0000	693.5561	693.5561	0.1339	0.0000	696.9026
Maximum	2.3284	4.1781	3.6912	7.8000e-003	0.4769	0.1894	0.6662	0.1773	0.1763	0.3536	0.0000	693.5561	693.5561	0.1339	0.0000	696.9026

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.6623	1.6623
2	4-1-2021	6-30-2021	1.0716	1.0716
3	7-1-2021	9-30-2021	1.0834	1.0834
		Highest	1.6623	1.6623

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/19/2021	5	13	

2	Site Preparation	Site Preparation	1/20/2021	1/28/2021	5	7
3	Grading	Grading	1/29/2021	2/25/2021	5	20
4	Building Construction	Building Construction	2/26/2021	11/26/2021	5	196
5	Paving	Paving	11/27/2021	12/15/2021	5	13
6	Architectural Coating	Architectural Coating	12/15/2021	12/31/2021	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0289	0.2897	0.1877	3.4000e-004		0.0142	0.0142		0.0132	0.0132	0.0000	29.9286	29.9286	8.7500e-003	0.0000	30.1475
Total	0.0289	0.2897	0.1877	3.4000e-004	0.0154	0.0142	0.0296	2.3300e-003	0.0132	0.0155	0.0000	29.9286	29.9286	8.7500e-003	0.0000	30.1475

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6000e-004	0.0203	4.5900e-003	5.0000e-005	1.1800e-003	8.0000e-005	1.2600e-003	3.2000e-004	8.0000e-005	4.0000e-004	0.0000	5.2482	5.2482	3.0000e-004	0.0000	5.2558
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121
Total	1.0900e-003	0.0208	8.6400e-003	6.0000e-005	2.4300e-003	9.0000e-005	2.5200e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.2595	6.2595	3.3000e-004	0.0000	6.2679

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0289	0.2897	0.1877	3.4000e-004		0.0142	0.0142		0.0132	0.0132	0.0000	29.9286	29.9286	8.7500e-003	0.0000	30.1474
Total	0.0289	0.2897	0.1877	3.4000e-004	0.0154	0.0142	0.0296	2.3300e-003	0.0132	0.0155	0.0000	29.9286	29.9286	8.7500e-003	0.0000	30.1474

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	5.6000e-004	0.0203	4.5900e-003	5.0000e-005	1.1800e-003	8.0000e-005	1.2600e-003	3.2000e-004	8.0000e-005	4.0000e-004	0.0000	5.2482	5.2482	3.0000e-004	0.0000	5.2558
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121
Total	1.0900e-003	0.0208	8.6400e-003	6.0000e-005	2.4300e-003	9.0000e-005	2.5200e-003	6.5000e-004	9.0000e-005	7.4000e-004	0.0000	6.2595	6.2595	3.3000e-004	0.0000	6.2679

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0179	0.1868	0.0961	1.7000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	15.2849	15.2849	4.9400e-003	0.0000	15.4085
Total	0.0179	0.1868	0.0961	1.7000e-004	0.0843	9.4100e-003	0.0937	0.0463	8.6600e-003	0.0550	0.0000	15.2849	15.2849	4.9400e-003	0.0000	15.4085

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.9000e-004	2.5100e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6263	0.6263	2.0000e-005	0.0000	0.6267
Total	3.3000e-004	2.9000e-004	2.5100e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6263	0.6263	2.0000e-005	0.0000	0.6267

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0179	0.1868	0.0961	1.7000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	15.2849	15.2849	4.9400e-003	0.0000	15.4084
Total	0.0179	0.1868	0.0961	1.7000e-004	0.0843	9.4100e-003	0.0937	0.0463	8.6600e-003	0.0550	0.0000	15.2849	15.2849	4.9400e-003	0.0000	15.4084

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.9000e-004	2.5100e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6263	0.6263	2.0000e-005	0.0000	0.6267
Total	3.3000e-004	2.9000e-004	2.5100e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6263	0.6263	2.0000e-005	0.0000	0.6267

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0592	0.6545	0.3996	8.2000e-004		0.0281	0.0281		0.0259	0.0259	0.0000	72.3595	72.3595	0.0234	0.0000	72.9446
Total	0.0592	0.6545	0.3996	8.2000e-004	0.1602	0.0281	0.1883	0.0705	0.0259	0.0964	0.0000	72.3595	72.3595	0.0234	0.0000	72.9446

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	9.9000e-004	8.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1783	2.1783	7.0000e-005	0.0000	2.1799
Total	1.1400e-003	9.9000e-004	8.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1783	2.1783	7.0000e-005	0.0000	2.1799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0592	0.6545	0.3996	8.2000e-004		0.0281	0.0281		0.0259	0.0259	0.0000	72.3594	72.3594	0.0234	0.0000	72.9445
Total	0.0592	0.6545	0.3996	8.2000e-004	0.1602	0.0281	0.1883	0.0705	0.0259	0.0964	0.0000	72.3594	72.3594	0.0234	0.0000	72.9445

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1400e-003	9.9000e-004	8.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1783	2.1783	7.0000e-005	0.0000	2.1799
Total	1.1400e-003	9.9000e-004	8.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1783	2.1783	7.0000e-005	0.0000	2.1799

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2504	2.4023	2.1027	3.5500e-003		0.1286	0.1286		0.1202	0.1202	0.0000	307.0373	307.0373	0.0807	0.0000	309.0536
Total	0.2504	2.4023	2.1027	3.5500e-003		0.1286	0.1286		0.1202	0.1202	0.0000	307.0373	307.0373	0.0807	0.0000	309.0536

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.4291	0.1257	8.9000e-004	0.0205	1.2200e-003	0.0217	5.9200e-003	1.1700e-003	7.0900e-003	0.0000	86.2089	86.2089	5.0800e-003	0.0000	86.3359
Worker	0.0791	0.0689	0.6049	1.6700e-003	0.1868	1.1900e-003	0.1880	0.0496	1.1000e-003	0.0507	0.0000	150.9551	150.9551	4.5700e-003	0.0000	151.0694
Total	0.0928	0.4981	0.7307	2.5600e-003	0.2073	2.4100e-003	0.2097	0.0556	2.2700e-003	0.0578	0.0000	237.1640	237.1640	9.6500e-003	0.0000	237.4054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2504	2.4023	2.1027	3.5500e-003		0.1286	0.1286		0.1202	0.1202	0.0000	307.0370	307.0370	0.0807	0.0000	309.0532
Total	0.2504	2.4023	2.1027	3.5500e-003		0.1286	0.1286		0.1202	0.1202	0.0000	307.0370	307.0370	0.0807	0.0000	309.0532

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0137	0.4291	0.1257	8.9000e-004	0.0205	1.2200e-003	0.0217	5.9200e-003	1.1700e-003	7.0900e-003	0.0000	86.2089	86.2089	5.0800e-003	0.0000	86.3359
Worker	0.0791	0.0689	0.6049	1.6700e-003	0.1868	1.1900e-003	0.1880	0.0496	1.1000e-003	0.0507	0.0000	150.9551	150.9551	4.5700e-003	0.0000	151.0694
Total	0.0928	0.4981	0.7307	2.5600e-003	0.2073	2.4100e-003	0.2097	0.0556	2.2700e-003	0.0578	0.0000	237.1640	237.1640	9.6500e-003	0.0000	237.4054

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1135	0.1307	2.1000e-004		5.8400e-003	5.8400e-003		5.3800e-003	5.3800e-003	0.0000	18.0246	18.0246	5.8300e-003	0.0000	18.1704
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1135	0.1307	2.1000e-004		5.8400e-003	5.8400e-003		5.3800e-003	5.3800e-003	0.0000	18.0246	18.0246	5.8300e-003	0.0000	18.1704

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121
Total	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1135	0.1307	2.1000e-004		5.8400e-003	5.8400e-003		5.3800e-003	5.3800e-003	0.0000	18.0246	18.0246	5.8300e-003	0.0000	18.1703
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0110	0.1135	0.1307	2.1000e-004		5.8400e-003	5.8400e-003		5.3800e-003	5.3800e-003	0.0000	18.0246	18.0246	5.8300e-003	0.0000	18.1703

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121
Total	5.3000e-004	4.6000e-004	4.0500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.0114	1.0114	3.0000e-005	0.0000	1.0121

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

Off-Road	1.4200e-003	9.9200e-003	0.0118	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6625
Total	1.8640	9.9200e-003	0.0118	2.0000e-005		6.1000e-004	6.1000e-004		6.1000e-004	6.1000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6625

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0600e-003	9.2000e-004	8.1100e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	2.0227	2.0227	6.0000e-005	0.0000	2.0242
Total	1.0600e-003	9.2000e-004	8.1100e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	2.0227	2.0227	6.0000e-005	0.0000	2.0242

Cal Poly MP Construction 2021 - San Luis Obispo County, Summer

Cal Poly MP Construction 2021

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_ Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_ Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_ Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_ Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2022	12/31/2021
tblConstructionPhase	PhaseEndDate	5/19/2022	11/26/2021
tblConstructionPhase	PhaseEndDate	1/28/2021	1/19/2021
tblConstructionPhase	PhaseEndDate	3/25/2021	2/25/2021
tblConstructionPhase	PhaseEndDate	6/16/2022	12/15/2021
tblConstructionPhase	PhaseEndDate	2/11/2021	1/28/2021
tblConstructionPhase	PhaseStartDate	6/17/2022	12/15/2021
tblConstructionPhase	PhaseStartDate	3/26/2021	2/26/2021
tblConstructionPhase	PhaseStartDate	2/12/2021	1/29/2021

tblConstructionPhase	PhaseStartDate	5/20/2022	11/27/2021
tblConstructionPhase	PhaseStartDate	1/29/2021	1/20/2021
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	288.7056	65.5385	40.8578	0.0849	24.3157	2.8116	27.0058	13.3012	2.5867	15.7761	0.0000	8,226.1444	8,226.1444	2.5872	0.0000	8,290.8241

Maximum	288.7056	65.5385	40.8578	0.0849	24.3157	2.8116	27.0058	13.3012	2.5867	15.7761	0.0000	8,226.144 4	8,226.1444	2.5872	0.0000	8,290.824 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	288.7056	65.5385	40.8578	0.0849	24.3157	2.8116	27.0058	13.3012	2.5867	15.7761	0.0000	8,226.144 3	8,226.1443	2.5872	0.0000	8,290.824 1
Maximum	288.7056	65.5385	40.8578	0.0849	24.3157	2.8116	27.0058	13.3012	2.5867	15.7761	0.0000	8,226.144 3	8,226.1443	2.5872	0.0000	8,290.824 1

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2021	1/19/2021	5	13	
2	Site Preparation	Site Preparation	1/20/2021	1/28/2021	5	7	
3	Grading	Grading	1/29/2021	2/25/2021	5	20	
4	Building Construction	Building Construction	2/26/2021	11/26/2021	5	196	
5	Paving	Paving	11/27/2021	12/15/2021	5	13	
6	Architectural Coating	Architectural Coating	12/15/2021	12/31/2021	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	4.4407	44.5654	28.8746	0.0525		2.1882	2.1882		2.0270	2.0270		5,075.4891	5,075.4891	1.4843		5,112.5954
Total	4.4407	44.5654	28.8746	0.0525	2.3709	2.1882	4.5591	0.3590	2.0270	2.3861		5,075.4891	5,075.4891	1.4843		5,112.5954

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0850	3.0655	0.6872	8.2900e-003	0.1853	0.0129	0.1982	0.0508	0.0124	0.0631		895.6651	895.6651	0.0510		896.9391
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
Total	0.1646	3.1293	1.3319	0.0101	0.3830	0.0141	0.3972	0.1032	0.0135	0.1167		1,074.1456	1,074.1456	0.0563		1,075.5536

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	4.4407	44.5654	28.8746	0.0525		2.1882	2.1882		2.0270	2.0270	0.0000	5,075.4891	5,075.4891	1.4843		5,112.5954
Total	4.4407	44.5654	28.8746	0.0525	2.3709	2.1882	4.5591	0.3590	2.0270	2.3861	0.0000	5,075.4891	5,075.4891	1.4843		5,112.5954

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0850	3.0655	0.6872	8.2900e-003	0.1853	0.0129	0.1982	0.0508	0.0124	0.0631		895.6651	895.6651	0.0510		896.9391
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
Total	0.1646	3.1293	1.3319	0.0101	0.3830	0.0141	0.3972	0.1032	0.0135	0.1167		1,074.1456	1,074.1456	0.0563		1,075.5536

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	5.1218	53.3642	27.4523	0.0497		2.6887	2.6887		2.4736	2.4736		4,813.9092	4,813.9092	1.5569		4,852.8320
Total	5.1218	53.3642	27.4523	0.0497	24.0883	2.6887	26.7770	13.2409	2.4736	15.7145		4,813.9092	4,813.9092	1.5569		4,852.8320

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0916	0.0734	0.7414	2.0600e-003	0.2274	1.4100e-003	0.2288	0.0603	1.3000e-003	0.0616		205.2525	205.2525	6.1600e-003		205.4066
Total	0.0916	0.0734	0.7414	2.0600e-003	0.2274	1.41E-03	0.2288	0.0603	1.3000e-003	0.0616		205.2525	205.2525	6.1600e-003		205.4066

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	5.1218	53.3642	27.4523	0.0497		2.6887	2.6887		2.4736	2.4736	0.0000	4,813.9092	4,813.9092	1.5569		4,852.8320
Total	5.1218	53.3642	27.4523	0.0497	24.0883	2.6887	26.7770	13.2409	2.4736	15.7145	0.0000	4,813.9092	4,813.9092	1.5569		4,852.8320

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0916	0.0734	0.7414	2.0600e-003	0.2274	1.4100e-003	0.2288	0.0603	1.3000e-003	0.0616		205.2525	205.2525	6.1600e-003		205.4066
Total	0.0916	0.0734	0.7414	2.0600e-003	0.2274	1.4100e-003	0.2288	0.0603	1.3000e-003	0.0616		205.2525	205.2525	6.1600e-003		205.4066

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	5.9197	65.4491	39.9552	0.0823		2.8099	2.8099		2.5851	2.5851		7,976.2717	7,976.2717	2.5797		8,040.7639
Total	5.9197	65.4491	39.9552	0.0823	16.0211	2.8099	18.8310	7.0499	2.5851	9.6350		7,976.2717	7,976.2717	2.5797		8,040.7639

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1115	0.0894	0.9026	2.5100e-003	0.2768	1.7100e-003	0.2785	0.0734	1.5800e-003	0.0750		249.8726	249.8726	7.5000e-003		250.0602
Total	0.1115	0.0894	0.9026	2.5100e-003	0.2768	1.71E-03	0.2785	0.0734	1.5800e-003	0.0750		249.8726	249.8726	7.5000e-003		250.0602

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	5.9197	65.4491	39.9552	0.0823		2.8099	2.8099		2.5851	2.5851	0.0000	7,976.2717	7,976.2717	2.5797		8,040.7639
Total	5.9197	65.4491	39.9552	0.0823	16.0211	2.8099	18.8310	7.0499	2.5851	9.6350	0.0000	7,976.2717	7,976.2717	2.5797		8,040.7639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1115	0.0894	0.9026	2.5100e-003	0.2768	1.7100e-003	0.2785	0.0734	1.5800e-003	0.0750		249.8726	249.8726	7.5000e-003		250.0602
Total	0.1115	0.0894	0.9026	2.5100e-003	0.2768	1.7100e-003	0.2785	0.0734	1.5800e-003	0.0750		249.8726	249.8726	7.5000e-003		250.0602

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5554	24.5132	21.4557	0.0362		1.3124	1.3124		1.2268	1.2268		3,453.5787	3,453.5787	0.9072		3,476.2578
Total	2.5554	24.5132	21.4557	0.0362		1.3124	1.3124		1.2268	1.2268		3,453.5787	3,453.5787	0.9072		3,476.2578

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1363	4.3480	1.1998	9.2200e-003	0.2136	0.0122	0.2258	0.0615	0.0117	0.0732		982.3595	982.3595	0.0554		983.7433
Worker	0.7887	0.6318	6.3825	0.0177	1.9575	0.0121	1.9696	0.5192	0.0112	0.5303		1,766.9565	1,766.9565	0.0531		1,768.2830
Total	0.9251	4.9798	7.5822	0.0270	2.1710	0.0243	2.1954	0.5807	0.0229	0.6035		2,749.3160	2,749.3160	0.1084		2,752.0263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5554	24.5132	21.4557	0.0362		1.3124	1.3124		1.2268	1.2268	0.0000	3,453.5787	3,453.5787	0.9072		3,476.2578
Total	2.5554	24.5132	21.4557	0.0362		1.3124	1.3124		1.2268	1.2268	0.0000	3,453.5787	3,453.5787	0.9072		3,476.2578

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1363	4.3480	1.1998	9.2200e-003	0.2136	0.0122	0.2258	0.0615	0.0117	0.0732		982.3595	982.3595	0.0554		983.7433
Worker	0.7887	0.6318	6.3825	0.0177	1.9575	0.0121	1.9696	0.5192	0.0112	0.5303		1,766.9565	1,766.9565	0.0531		1,768.2830
Total	0.9251	4.9798	7.5822	0.0270	2.1710	0.0243	2.1954	0.5807	0.0229	0.6035		2,749.3160	2,749.3160	0.1084		2,752.0263

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6938	17.4544	20.0994	0.0316		0.8990	0.8990		0.8270	0.8270		3,056.7274	3,056.7274	0.9886		3,081.4426
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6938	17.4544	20.0994	0.0316		0.899	0.8990		0.8270	0.8270		3,056.7274	3,056.7274	0.9886		3,081.4426

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
Total	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.22E-03	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6938	17.4544	20.0994	0.0316		0.8990	0.8990		0.8270	0.8270	0.0000	3,056.7274	3,056.7274	0.9886		3,081.4426
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6938	17.4544	20.0994	0.0316		0.8990	0.8990		0.8270	0.8270	0.0000	3,056.7274	3,056.7274	0.9886		3,081.4426

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144
Total	0.0797	0.0638	0.6447	1.7900e-003	0.1977	1.2200e-003	0.1990	0.0524	1.1300e-003	0.0536		178.4805	178.4805	5.3600e-003		178.6144

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	286.7728	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1593	0.1276	1.2894	3.5800e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		356.9609	356.9609	0.0107		357.2289
Total	0.1593	0.1276	1.2894	3.5800e-003	0.3955	2.45E-03	0.3979	0.1049	2.2600e-003	0.1071		356.9609	356.9609	0.0107		357.2289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	286.7728	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1593	0.1276	1.2894	3.5800e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		356.9609	356.9609	0.0107		357.2289
Total	0.1593	0.1276	1.2894	3.5800e-003	0.3955	2.4500e-003	0.3979	0.1049	2.2600e-003	0.1071		356.9609	356.9609	0.0107		357.2289

Cal Poly MP Construction 2022 - San Luis Obispo County, Annual

Cal Poly MP Construction 2022

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	5/19/2023	11/25/2022
tblConstructionPhase	PhaseEndDate	1/28/2022	1/19/2022
tblConstructionPhase	PhaseEndDate	3/25/2022	2/25/2022
tblConstructionPhase	PhaseEndDate	6/16/2023	12/14/2022
tblConstructionPhase	PhaseEndDate	2/11/2022	1/28/2022
tblConstructionPhase	PhaseStartDate	6/17/2023	12/14/2022
tblConstructionPhase	PhaseStartDate	3/26/2022	2/26/2022
tblConstructionPhase	PhaseStartDate	2/12/2022	1/29/2022

tblConstructionPhase	PhaseStartDate	5/20/2023	11/26/2022
tblConstructionPhase	PhaseStartDate	1/29/2022	1/20/2022
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	2.2766	3.6554	3.5421	7.7100e-003	0.4758	0.1578	0.6336	0.1770	0.1470	0.3240	0.0000	684.6664	684.6664	0.1325	0.0000	687.9786

Maximum	2.2766	3.6554	3.5421	7.7100e-003	0.4758	0.1578	0.6336	0.1770	0.1470	0.3240	0.0000	684.6664	684.6664	0.1325	0.0000	687.9786

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	2.2766	3.6554	3.5421	7.7100e-003	0.4758	0.1578	0.6336	0.1770	0.1470	0.3240	0.0000	684.6659	684.6659	0.1325	0.0000	687.9781
Maximum	2.2766	3.6554	3.5421	7.7100e-003	0.4758	0.1578	0.6336	0.1770	0.1470	0.3240	0.0000	684.6659	684.6659	0.1325	0.0000	687.9781

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.4076	1.4076
2	4-1-2022	6-30-2022	0.9639	0.9639
3	7-1-2022	9-30-2022	0.9745	0.9745
		Highest	1.4076	1.4076

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/19/2022	5	13	

2	Site Preparation	Site Preparation	1/20/2022	1/28/2022	5	7
3	Grading	Grading	1/29/2022	2/25/2022	5	20
4	Building Construction	Building Construction	2/26/2022	11/25/2022	5	195
5	Paving	Paving	11/26/2022	12/14/2022	5	13
6	Architectural Coating	Architectural Coating	12/14/2022	12/30/2022	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2359	0.1783	3.4000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	29.9189	29.9189	8.7400e-003	0.0000	30.1373
Total	0.0239	0.2359	0.1783	3.4000e-004	0.0154	0.0114	0.0268	2.3300e-003	0.0105	0.0129	0.0000	29.9189	29.9189	8.7400e-003	0.0000	30.1373

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.2000e-004	0.0185	4.4300e-003	5.0000e-005	1.1800e-003	7.0000e-005	1.2500e-003	3.2000e-004	7.0000e-005	3.9000e-004	0.0000	5.1858	5.1858	3.1000e-004	0.0000	5.1935
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	4.2000e-004	3.7100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9752	0.9752	3.0000e-005	0.0000	0.9759
Total	1.0200e-003	0.0190	8.1400e-003	6.0000e-005	2.4300e-003	8.0000e-005	2.5100e-003	6.5000e-004	8.0000e-005	7.3000e-004	0.0000	6.1610	6.1610	3.4000e-004	0.0000	6.1694

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0239	0.2359	0.1783	3.4000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	29.9188	29.9188	8.7400e-003	0.0000	30.1373
Total	0.0239	0.2359	0.1783	3.4000e-004	0.0154	0.0114	0.0268	2.3300e-003	0.0105	0.0129	0.0000	29.9188	29.9188	8.7400e-003	0.0000	30.1373

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	5.2000e-004	0.0185	4.4300e-003	5.0000e-005	1.1800e-003	7.0000e-005	1.2500e-003	3.2000e-004	7.0000e-005	3.9000e-004	0.0000	5.1858	5.1858	3.1000e-004	0.0000	5.1935
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	4.2000e-004	3.7100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9752	0.9752	3.0000e-005	0.0000	0.9759
Total	1.0200e-003	0.0190	8.1400e-003	6.0000e-005	2.4300e-003	8.0000e-005	2.5100e-003	6.5000e-004	8.0000e-005	7.3000e-004	0.0000	6.1610	6.1610	3.4000e-004	0.0000	6.1694

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.1524	0.0893	1.7000e-004		7.4200e-003	7.4200e-003		6.8300e-003	6.8300e-003	0.0000	15.2862	15.2862	4.9400e-003	0.0000	15.4098
Total	0.0146	0.1524	0.0893	1.7000e-004	0.0843	7.4200e-003	0.0917	0.0463	6.8300e-003	0.0532	0.0000	15.2862	15.2862	4.9400e-003	0.0000	15.4098

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.6000e-004	2.3000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6039	0.6039	2.0000e-005	0.0000	0.6043
Total	3.1000e-004	2.6000e-004	2.3000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6039	0.6039	2.0000e-005	0.0000	0.6043

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.1524	0.0893	1.7000e-004		7.4200e-003	7.4200e-003		6.8300e-003	6.8300e-003	0.0000	15.2862	15.2862	4.9400e-003	0.0000	15.4098
Total	0.0146	0.1524	0.0893	1.7000e-004	0.0843	7.4200e-003	0.0917	0.0463	6.8300e-003	0.0532	0.0000	15.2862	15.2862	4.9400e-003	0.0000	15.4098

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.6000e-004	2.3000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6039	0.6039	2.0000e-005	0.0000	0.6043
Total	3.1000e-004	2.6000e-004	2.3000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6039	0.6039	2.0000e-005	0.0000	0.6043

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0508	0.5467	0.3760	8.2000e-004		0.0231	0.0231		0.0212	0.0212	0.0000	72.3910	72.3910	0.0234	0.0000	72.9763
Total	0.0508	0.5467	0.3760	8.2000e-004	0.1602	0.0231	0.1833	0.0705	0.0212	0.0917	0.0000	72.3910	72.3910	0.0234	0.0000	72.9763

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	8.9000e-004	8.0000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1004	2.1004	6.0000e-005	0.0000	2.1019
Total	1.0700e-003	8.9000e-004	8.0000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1004	2.1004	6.0000e-005	0.0000	2.1019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0508	0.5467	0.3760	8.2000e-004		0.0231	0.0231		0.0212	0.0212	0.0000	72.3909	72.3909	0.0234	0.0000	72.9762
Total	0.0508	0.5467	0.3760	8.2000e-004	0.1602	0.0231	0.1833	0.0705	0.0212	0.0917	0.0000	72.3909	72.3909	0.0234	0.0000	72.9762

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0700e-003	8.9000e-004	8.0000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1004	2.1004	6.0000e-005	0.0000	2.1019
Total	1.0700e-003	8.9000e-004	8.0000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	2.0000e-005	7.3000e-004	0.0000	2.1004	2.1004	6.0000e-005	0.0000	2.1019

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2233	2.1253	2.0603	3.5300e-003		0.1082	0.1082		0.1012	0.1012	0.0000	305.5899	305.5899	0.0799	0.0000	307.5871
Total	0.2233	2.1253	2.0603	3.5300e-003		0.1082	0.1082		0.1012	0.1012	0.0000	305.5899	305.5899	0.0799	0.0000	307.5871

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4057	0.1155	8.8000e-004	0.0204	1.0700e-003	0.0215	5.8900e-003	1.0300e-003	6.9100e-003	0.0000	85.1848	85.1848	5.0000e-003	0.0000	85.3096
Worker	0.0739	0.0617	0.5513	1.6000e-003	0.1859	1.1500e-003	0.1870	0.0494	1.0600e-003	0.0505	0.0000	144.8167	144.8167	4.0800e-003	0.0000	144.9186
Total	0.0865	0.4673	0.6668	2.4800e-003	0.2062	2.2200e-003	0.2085	0.0553	2.0900e-003	0.0574	0.0000	230.0015	230.0015	9.0800e-003	0.0000	230.2282

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2233	2.1253	2.0603	3.5300e-003		0.1082	0.1082		0.1012	0.1012	0.0000	305.5895	305.5895	0.0799	0.0000	307.5868
Total	0.2233	2.1253	2.0603	3.5300e-003		0.1082	0.1082		0.1012	0.1012	0.0000	305.5895	305.5895	0.0799	0.0000	307.5868

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4057	0.1155	8.8000e-004	0.0204	1.0700e-003	0.0215	5.8900e-003	1.0300e-003	6.9100e-003	0.0000	85.1848	85.1848	5.0000e-003	0.0000	85.3096
Worker	0.0739	0.0617	0.5513	1.6000e-003	0.1859	1.1500e-003	0.1870	0.0494	1.0600e-003	0.0505	0.0000	144.8167	144.8167	4.0800e-003	0.0000	144.9186
Total	0.0865	0.4673	0.6668	2.4800e-003	0.2062	2.2200e-003	0.2085	0.0553	2.0900e-003	0.0574	0.0000	230.0015	230.0015	9.0800e-003	0.0000	230.2282

3.6 Paving - 2022
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6700e-003	0.0973	0.1301	2.1000e-004		4.8900e-003	4.8900e-003		4.5000e-003	4.5000e-003	0.0000	18.0285	18.0285	5.8300e-003	0.0000	18.1743
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.6700e-003	0.0973	0.1301	2.1000e-004		4.8900e-003	4.8900e-003		4.5000e-003	4.5000e-003	0.0000	18.0285	18.0285	5.8300e-003	0.0000	18.1743

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	4.2000e-004	3.7100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9752	0.9752	3.0000e-005	0.0000	0.9759
Total	5.0000e-004	4.2000e-004	3.7100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9752	0.9752	3.0000e-005	0.0000	0.9759

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.6700e-003	0.0973	0.1301	2.1000e-004		4.8900e-003	4.8900e-003		4.5000e-003	4.5000e-003	0.0000	18.0285	18.0285	5.8300e-003	0.0000	18.1742
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.6700e-003	0.0973	0.1301	2.1000e-004		4.8900e-003	4.8900e-003		4.5000e-003	4.5000e-003	0.0000	18.0285	18.0285	5.8300e-003	0.0000	18.1742

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-004	4.2000e-004	3.7100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9752	0.9752	3.0000e-005	0.0000	0.9759
Total	5.0000e-004	4.2000e-004	3.7100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9752	0.9752	3.0000e-005	0.0000	0.9759

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

Off-Road	1.3300e-003	9.1600e-003	0.0118	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6623
Total	1.8639	9.1600e-003	0.0118	2.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	1.6596	1.6596	1.1000e-004	0.0000	1.6623

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9000e-004	8.3000e-004	7.4300e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.9504	1.9504	5.0000e-005	0.0000	1.9518
Total	9.9000e-004	8.3000e-004	7.4300e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.9504	1.9504	5.0000e-005	0.0000	1.9518

Cal Poly MP Construction 2022 - San Luis Obispo County, Summer

Cal Poly MP Construction 2022

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

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Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2023	12/30/2022
tblConstructionPhase	PhaseEndDate	5/19/2023	11/25/2022
tblConstructionPhase	PhaseEndDate	1/28/2022	1/19/2022
tblConstructionPhase	PhaseEndDate	3/25/2022	2/25/2022
tblConstructionPhase	PhaseEndDate	6/16/2023	12/14/2022
tblConstructionPhase	PhaseEndDate	2/11/2022	1/28/2022
tblConstructionPhase	PhaseStartDate	6/17/2023	12/14/2022
tblConstructionPhase	PhaseStartDate	3/26/2022	2/26/2022
tblConstructionPhase	PhaseStartDate	2/12/2022	1/29/2022

tblConstructionPhase	PhaseStartDate	5/20/2023	11/26/2022
tblConstructionPhase	PhaseStartDate	1/29/2022	1/20/2022
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	288.4706	54.7520	38.4286	0.0848	24.3157	2.3070	26.4372	13.3012	2.1225	15.2529	0.0000	8,220.6783	8,220.6783	2.5875	0.0000	8,285.3668

Maximum	288.4706	54.7520	38.4286	0.0848	24.3157	2.3070	26.4372	13.3012	2.1225	15.2529	0.0000	8,220.6783	8,220.6783	2.5875	0.0000	8,285.3668

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	288.4706	54.7520	38.4286	0.0848	24.3157	2.3070	26.4372	13.3012	2.1225	15.2529	0.0000	8,220.6783	8,220.6783	2.5875	0.0000	8,285.3668
Maximum	288.4706	54.7520	38.4286	0.0848	24.3157	2.3070	26.4372	13.3012	2.1225	15.2529	0.0000	8,220.6783	8,220.6783	2.5875	0.0000	8,285.3668

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/19/2022	5	13	
2	Site Preparation	Site Preparation	1/20/2022	1/28/2022	5	7	
3	Grading	Grading	1/29/2022	2/25/2022	5	20	
4	Building Construction	Building Construction	2/26/2022	11/25/2022	5	195	
5	Paving	Paving	11/26/2022	12/14/2022	5	13	
6	Architectural Coating	Architectural Coating	12/14/2022	12/30/2022	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	3.6787	36.2900	27.4312	0.0525		1.7459	1.7459		1.6183	1.6183		5,073.8318	5,073.8318	1.4816		5,110.8725
Total	3.6787	36.29	27.4312	0.0525	2.3709	1.7459	4.1168	0.3590	1.6183	1.9773		5,073.8318	5,073.8318	1.4816		5,110.8725

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0796	2.8022	0.6633	8.1800e-003	0.1854	0.0111	0.1965	0.0508	0.0107	0.0615		885.1365	885.1365	0.0515		886.4250
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189
Total	0.1543	2.8596	1.2549	9.9100e-003	0.3831	0.0123	0.3954	0.1032	0.0118	0.1150		1,057.2352	1,057.2352	0.0564		1,058.6439

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	3.6787	36.2900	27.4312	0.0525		1.7459	1.7459		1.6183	1.6183	0.0000	5,073.8318	5,073.8318	1.4816		5,110.8725
Total	3.6787	36.2900	27.4312	0.0525	2.3709	1.7459	4.1168	0.3590	1.6183	1.9773	0.0000	5,073.8318	5,073.8318	1.4816		5,110.8725

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0796	2.8022	0.6633	8.1800e-003	0.1854	0.0111	0.1965	0.0508	0.0107	0.0615		885.1365	885.1365	0.0515		886.4250
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189
Total	0.1543	2.8596	1.2549	9.9100e-003	0.3831	0.0123	0.3954	0.1032	0.0118	0.1150		1,057.2352	1,057.2352	0.0564		1,058.6439

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	4.1720	43.5528	25.5177	0.0497		2.1201	2.1201		1.9505	1.9505		4,814.3362	4,814.3362	1.5571		4,853.2625
Total	4.172	43.5528	25.5177	0.0497	24.0883	2.1201	26.2084	13.2409	1.9505	15.1914		4,814.3362	4,814.3362	1.5571		4,853.2625

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0660	0.6803	1.9900e-003	0.2274	1.3700e-003	0.2288	0.0603	1.2600e-003	0.0616		197.9135	197.9135	5.5300e-003		198.0518
Total	0.086	0.066	0.6803	1.9900e-003	0.2274	1.37E-03	0.2288	0.0603	1.2600e-003	0.0616		197.9135	197.9135	5.5300e-003		198.0518

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	4.1720	43.5528	25.5177	0.0497		2.1201	2.1201		1.9505	1.9505	0.0000	4,814.3362	4,814.3362	1.5571		4,853.2625
Total	4.1720	43.5528	25.5177	0.0497	24.0883	2.1201	26.2084	13.2409	1.9505	15.1914	0.0000	4,814.3362	4,814.3362	1.5571		4,853.2625

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0660	0.6803	1.9900e-003	0.2274	1.3700e-003	0.2288	0.0603	1.2600e-003	0.0616		197.9135	197.9135	5.5300e-003		198.0518
Total	0.0860	0.0660	0.6803	1.9900e-003	0.2274	1.3700e-003	0.2288	0.0603	1.2600e-003	0.0616		197.9135	197.9135	5.5300e-003		198.0518

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	5.0793	54.6717	37.6004	0.0824		2.3054	2.3054		2.1210	2.1210		7,979.7401	7,979.7401	2.5808		8,044.2604
Total	5.0793	54.6717	37.6004	0.0824	16.0211	2.3054	18.3264	7.0499	2.1210	9.1708		7,979.7401	7,979.7401	2.5808		8,044.2604

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1046	0.0804	0.8282	2.4200e-003	0.2768	1.6700e-003	0.2785	0.0734	1.5400e-003	0.0750		240.9382	240.9382	6.7300e-003		241.1065
Total	0.1046	0.0804	0.8282	2.4200e-003	0.2768	1.67E-03	0.2785	0.0734	1.5400e-003	0.0750		240.9382	240.9382	6.7300e-003		241.1065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	5.0793	54.6717	37.6004	0.0824		2.3054	2.3054		2.1210	2.1210	0.0000	7,979.7401	7,979.7401	2.5808		8,044.2603
Total	5.0793	54.6717	37.6004	0.0824	16.0211	2.3054	18.3264	7.0499	2.1210	9.1708	0.0000	7,979.7401	7,979.7401	2.5808		8,044.2603

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1046	0.0804	0.8282	2.4200e-003	0.2768	1.6700e-003	0.2785	0.0734	1.5400e-003	0.0750		240.9382	240.9382	6.7300e-003		241.1065
Total	0.1046	0.0804	0.8282	2.4200e-003	0.2768	1.6700e-003	0.2785	0.0734	1.5400e-003	0.0750		240.9382	240.9382	6.7300e-003		241.1065

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2903	21.7980	21.1311	0.0362		1.1098	1.1098		1.0379	1.0379		3,454.9251	3,454.9251	0.9032		3,477.5054
Total	2.2903	21.798	21.1311	0.0362		1.1098	1.1098		1.0379	1.0379		3,454.9251	3,454.9251	0.9032		3,477.5054

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1261	4.1348	1.1065	9.1500e-003	0.2136	0.0107	0.2243	0.0615	0.0103	0.0718		975.8644	975.8644	0.0547		977.2309
Worker	0.7399	0.5682	5.8567	0.0171	1.9575	0.0118	1.9692	0.5192	0.0109	0.5300		1,703.7771	1,703.7771	0.0476		1,704.9673
Total	0.866	4.703	6.9632	0.0263	2.1711	0.0225	2.1936	0.5807	0.0211	0.6018		2,679.6414	2,679.6414	0.1023		2,682.1982

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2903	21.7980	21.1311	0.0362		1.1098	1.1098		1.0379	1.0379	0.0000	3,454.9251	3,454.9251	0.9032		3,477.5054
Total	2.2903	21.7980	21.1311	0.0362		1.1098	1.1098		1.0379	1.0379	0.0000	3,454.9251	3,454.9251	0.9032		3,477.5054

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1261	4.1348	1.1065	9.1500e-003	0.2136	0.0107	0.2243	0.0615	0.0103	0.0718		975.8644	975.8644	0.0547		977.2309
Worker	0.7399	0.5682	5.8567	0.0171	1.9575	0.0118	1.9692	0.5192	0.0109	0.5300		1,703.7771	1,703.7771	0.0476		1,704.9673
Total	0.8660	4.7030	6.9632	0.0263	2.1711	0.0225	2.1936	0.5807	0.0211	0.6018		2,679.6414	2,679.6414	0.1023		2,682.1982

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4879	14.9614	20.0104	0.0316		0.7524	0.7524		0.6922	0.6922		3,057.3866	3,057.3866	0.9888		3,082.1072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4879	14.9614	20.0104	0.0316		0.7524	0.7524		0.6922	0.6922		3,057.3866	3,057.3866	0.9888		3,082.1072

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189
Total	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.19E-03	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4879	14.9614	20.0104	0.0316		0.7524	0.7524		0.6922	0.6922	0.0000	3,057.3866	3,057.3866	0.9888		3,082.1071
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4879	14.9614	20.0104	0.0316		0.7524	0.7524		0.6922	0.6922	0.0000	3,057.3866	3,057.3866	0.9888		3,082.1071

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189
Total	0.0747	0.0574	0.5916	1.7300e-003	0.1977	1.1900e-003	0.1989	0.0524	1.1000e-003	0.0535		172.0987	172.0987	4.8100e-003		172.2189

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	286.7584	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1495	0.1148	1.1832	3.4500e-003	0.3955	2.3800e-003	0.3978	0.1049	2.1900e-003	0.1071		344.1974	344.1974	9.6200e-003		344.4378
Total	0.1495	0.1148	1.1832	3.4500e-003	0.3955	2.38E-03	0.3978	0.1049	2.1900e-003	0.1071		344.1974	344.1974	9.6200e-003		344.4378

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	286.7584	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1495	0.1148	1.1832	3.4500e-003	0.3955	2.3800e-003	0.3978	0.1049	2.1900e-003	0.1071		344.1974	344.1974	9.6200e-003		344.4378
Total	0.1495	0.1148	1.1832	3.4500e-003	0.3955	2.3800e-003	0.3978	0.1049	2.1900e-003	0.1071		344.1974	344.1974	9.6200e-003		344.4378

Cal Poly MP Construction 2023 - San Luis Obispo County, Annual

Cal Poly MP Construction 2023

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/12/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	5/17/2024	11/24/2023
tblConstructionPhase	PhaseEndDate	1/27/2023	1/18/2023
tblConstructionPhase	PhaseEndDate	3/24/2023	2/24/2023
tblConstructionPhase	PhaseEndDate	6/14/2024	12/13/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	1/27/2023
tblConstructionPhase	PhaseStartDate	6/15/2024	12/13/2023
tblConstructionPhase	PhaseStartDate	3/25/2023	2/25/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	1/28/2023

tblConstructionPhase	PhaseStartDate	5/18/2024	11/25/2023
tblConstructionPhase	PhaseStartDate	1/28/2023	1/19/2023
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.2402	3.2570	3.4287	7.6300e-003	0.4758	0.1352	0.6111	0.1770	0.1260	0.3030	0.0000	677.5525	677.5525	0.1311	0.0000	680.8295

Maximum	2.2402	3.257	3.4287	7.6300e-003	0.4758	0.1352	0.6111	0.1770	0.1260	0.3030	0.0000	677.5525	677.5525	0.1311	0.0000	680.8295

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	2.2402	3.2570	3.4287	7.6300e-003	0.4758	0.1352	0.6111	0.1770	0.1260	0.3030	0.0000	677.5519	677.5519	0.1311	0.0000	680.8290
Maximum	2.2402	3.2570	3.4287	7.6300e-003	0.4758	0.1352	0.6111	0.1770	0.1260	0.3030	0.0000	677.5519	677.5519	0.1311	0.0000	680.8290

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	1.2203	1.2203
2	4-1-2023	6-30-2023	0.8729	0.8729
3	7-1-2023	9-30-2023	0.8825	0.8825
		Highest	1.2203	1.2203

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/18/2023	5	13	

2	Site Preparation	Site Preparation	1/19/2023	1/27/2023	5	7
3	Grading	Grading	1/28/2023	2/24/2023	5	20
4	Building Construction	Building Construction	2/25/2023	11/24/2023	5	195
5	Paving	Paving	11/25/2023	12/13/2023	5	13
6	Architectural Coating	Architectural Coating	12/13/2023	12/29/2023	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1960	0.1691	3.4000e-004		9.0600e-003	9.0600e-003		8.4000e-003	8.4000e-003	0.0000	29.9204	29.9204	8.7200e-003	0.0000	30.1384
Total	0.0204	0.1960	0.1691	3.4000e-004	0.0154	9.0600e-003	0.0245	2.3300e-003	8.4000e-003	0.0107	0.0000	29.9204	29.9204	8.7200e-003	0.0000	30.1384

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7000e-004	0.0134	3.9700e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.6000e-004	0.0000	5.0453	5.0453	2.9000e-004	0.0000	5.0526
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.7000e-004	3.3900e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9386	0.9386	2.0000e-005	0.0000	0.9392
Total	8.4000e-004	0.0138	7.3600e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	7.0000e-004	0.0000	5.9839	5.9839	3.1000e-004	0.0000	5.9919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.1960	0.1691	3.4000e-004		9.0600e-003	9.0600e-003		8.4000e-003	8.4000e-003	0.0000	29.9204	29.9204	8.7200e-003	0.0000	30.1383
Total	0.0204	0.1960	0.1691	3.4000e-004	0.0154	9.0600e-003	0.0245	2.3300e-003	8.4000e-003	0.0107	0.0000	29.9204	29.9204	8.7200e-003	0.0000	30.1383

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.7000e-004	0.0134	3.9700e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.6000e-004	0.0000	5.0453	5.0453	2.9000e-004	0.0000	5.0526
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.7000e-004	3.3900e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9386	0.9386	2.0000e-005	0.0000	0.9392
Total	8.4000e-004	0.0138	7.3600e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	7.0000e-004	0.0000	5.9839	5.9839	3.1000e-004	0.0000	5.9919

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.1267	0.0825	1.7000e-004		5.8200e-003	5.8200e-003		5.3500e-003	5.3500e-003	0.0000	15.2911	15.2911	4.9500e-003	0.0000	15.4148
Total	0.0122	0.1267	0.0825	1.7000e-004	0.0843	5.8200e-003	0.0901	0.0463	5.3500e-003	0.0517	0.0000	15.2911	15.2911	4.9500e-003	0.0000	15.4148

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	2.1000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5812	0.5812	2.0000e-005	0.0000	0.5816
Total	2.9000e-004	2.3000e-004	2.1000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5812	0.5812	2.0000e-005	0.0000	0.5816

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.1267	0.0825	1.7000e-004		5.8200e-003	5.8200e-003		5.3500e-003	5.3500e-003	0.0000	15.2911	15.2911	4.9500e-003	0.0000	15.4148
Total	0.0122	0.1267	0.0825	1.7000e-004	0.0843	5.8200e-003	0.0901	0.0463	5.3500e-003	0.0517	0.0000	15.2911	15.2911	4.9500e-003	0.0000	15.4148

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.3000e-004	2.1000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5812	0.5812	2.0000e-005	0.0000	0.5816
Total	2.9000e-004	2.3000e-004	2.1000e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5812	0.5812	2.0000e-005	0.0000	0.5816

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0458	0.4784	0.3611	8.2000e-004		0.0197	0.0197		0.0181	0.0181	0.0000	72.3883	72.3883	0.0234	0.0000	72.9736
Total	0.0458	0.4784	0.3611	8.2000e-004	0.1602	0.0197	0.1799	0.0705	0.0181	0.0886	0.0000	72.3883	72.3883	0.0234	0.0000	72.9736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	8.0000e-004	7.3000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0217	2.0217	5.0000e-005	0.0000	2.0230
Total	1.0100e-003	8.0000e-004	7.3000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0217	2.0217	5.0000e-005	0.0000	2.0230

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0458	0.4784	0.3611	8.2000e-004		0.0197	0.0197		0.0181	0.0181	0.0000	72.3882	72.3882	0.0234	0.0000	72.9735
Total	0.0458	0.4784	0.3611	8.2000e-004	0.1602	0.0197	0.1799	0.0705	0.0181	0.0886	0.0000	72.3882	72.3882	0.0234	0.0000	72.9735

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	8.0000e-004	7.3000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0217	2.0217	5.0000e-005	0.0000	2.0230
Total	1.0100e-003	8.0000e-004	7.3000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	2.0217	2.0217	5.0000e-005	0.0000	2.0230

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2062	1.9526	2.0423	3.5300e-003		0.0941	0.0941		0.0880	0.0880	0.0000	305.6927	305.6927	0.0795	0.0000	307.6811
Total	0.2062	1.9526	2.0423	3.5300e-003		0.0941	0.0941		0.0880	0.0880	0.0000	305.6927	305.6927	0.0795	0.0000	307.6811

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.6600e-003	0.3345	0.1015	8.6000e-004	0.0204	5.0000e-004	0.0209	5.8900e-003	4.7000e-004	6.3700e-003	0.0000	83.7846	83.7846	4.4400e-003	0.0000	83.8957
Worker	0.0694	0.0554	0.5035	1.5400e-003	0.1859	1.1200e-003	0.1870	0.0494	1.0300e-003	0.0504	0.0000	139.3854	139.3854	3.6400e-003	0.0000	139.4763
Total	0.0791	0.3899	0.6049	2.4000e-003	0.2062	1.6200e-003	0.2079	0.0553	1.5000e-003	0.0568	0.0000	223.1699	223.1699	8.0800e-003	0.0000	223.3720

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2062	1.9526	2.0423	3.5300e-003		0.0941	0.0941		0.0880	0.0880	0.0000	305.6923	305.6923	0.0795	0.0000	307.6807
Total	0.2062	1.9526	2.0423	3.5300e-003		0.0941	0.0941		0.0880	0.0880	0.0000	305.6923	305.6923	0.0795	0.0000	307.6807

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.6600e-003	0.3345	0.1015	8.6000e-004	0.0204	5.0000e-004	0.0209	5.8900e-003	4.7000e-004	6.3700e-003	0.0000	83.7846	83.7846	4.4400e-003	0.0000	83.8957
Worker	0.0694	0.0554	0.5035	1.5400e-003	0.1859	1.1200e-003	0.1870	0.0494	1.0300e-003	0.0504	0.0000	139.3854	139.3854	3.6400e-003	0.0000	139.4763
Total	0.0791	0.3899	0.6049	2.4000e-003	0.2062	1.6200e-003	0.2079	0.0553	1.5000e-003	0.0568	0.0000	223.1699	223.1699	8.0800e-003	0.0000	223.3720

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0700e-003	0.0889	0.1302	2.1000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	18.0278	18.0278	5.8300e-003	0.0000	18.1736
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0700e-003	0.0889	0.1302	2.1000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	18.0278	18.0278	5.8300e-003	0.0000	18.1736

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.7000e-004	3.3900e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9386	0.9386	2.0000e-005	0.0000	0.9392
Total	4.7000e-004	3.7000e-004	3.3900e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9386	0.9386	2.0000e-005	0.0000	0.9392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0700e-003	0.0889	0.1302	2.1000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	18.0278	18.0278	5.8300e-003	0.0000	18.1735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.0700e-003	0.0889	0.1302	2.1000e-004		4.4000e-003	4.4000e-003		4.0500e-003	4.0500e-003	0.0000	18.0278	18.0278	5.8300e-003	0.0000	18.1735

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.7000e-004	3.7000e-004	3.3900e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9386	0.9386	2.0000e-005	0.0000	0.9392
Total	4.7000e-004	3.7000e-004	3.3900e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9386	0.9386	2.0000e-005	0.0000	0.9392

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

Off-Road	1.2500e-003	8.4700e-003	0.0118	2.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	1.6596	1.6596	1.0000e-004	0.0000	1.6621
Total	1.8639	8.4700e-003	0.0118	2.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	1.6596	1.6596	1.0000e-004	0.0000	1.6621

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3000e-004	7.5000e-004	6.7800e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.8772	1.8772	5.0000e-005	0.0000	1.8785
Total	9.3000e-004	7.5000e-004	6.7800e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.8772	1.8772	5.0000e-005	0.0000	1.8785

Cal Poly MP Construction 2023 - San Luis Obispo County, Summer

Cal Poly MP Construction 2023

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2024
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

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Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblAreaCoating	Area_Nonresidential_Exterior	60006	0
tblAreaCoating	Area_Nonresidential_Interior	180017	0
tblAreaCoating	Area_Parking	1392	0
tblAreaCoating	Area_Residential_Exterior	140400	0
tblAreaCoating	Area_Residential_Interior	421200	0
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/12/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	5/17/2024	11/24/2023
tblConstructionPhase	PhaseEndDate	1/27/2023	1/18/2023
tblConstructionPhase	PhaseEndDate	3/24/2023	2/24/2023

tblConstructionPhase	PhaseEndDate	6/14/2024	12/13/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	1/27/2023
tblConstructionPhase	PhaseStartDate	6/15/2024	12/13/2023
tblConstructionPhase	PhaseStartDate	3/25/2023	2/25/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	1/28/2023
tblConstructionPhase	PhaseStartDate	5/18/2024	11/25/2023
tblConstructionPhase	PhaseStartDate	1/28/2023	1/19/2023
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	288.3514	47.9167	36.8658	0.0847	24.3157	1.9736	25.9798	13.3012	1.8157	14.8322	0.0000	8,211.3381	8,211.3381	2.5867	0.0000	8,276.0064
Maximum	288.3514	47.9167	36.8658	0.0847	24.3157	1.9736	25.9798	13.3012	1.8157	14.8322	0.0000	8,211.3381	8,211.3381	2.5867	0.0000	8,276.0064

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	288.3514	47.9167	36.8658	0.0847	24.3157	1.9736	25.9798	13.3012	1.8157	14.8322	0.0000	8,211.3381	8,211.3381	2.5867	0.0000	8,276.0064
Maximum	288.3514	47.9167	36.8658	0.0847	24.3157	1.9736	25.9798	13.3012	1.8157	14.8322	0.0000	8,211.3381	8,211.3381	2.5867	0.0000	8,276.0064

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/18/2023	5	13	

2	Site Preparation	Site Preparation	1/19/2023	1/27/2023	5	7
3	Grading	Grading	1/28/2023	2/24/2023	5	20
4	Building Construction	Building Construction	2/25/2023	11/24/2023	5	195
5	Paving	Paving	11/25/2023	12/13/2023	5	13
6	Architectural Coating	Architectural Coating	12/13/2023	12/29/2023	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	3.1424	30.1602	26.0075	0.0525		1.3943	1.3943		1.2930	1.2930		5,074.0904	5,074.0904	1.4786		5,111.0550
Total	3.1424	30.1602	26.0075	0.0525	2.3709	1.3943	3.7651	0.3590	1.2930	1.6520		5,074.0904	5,074.0904	1.4786		5,111.0550

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0564	2.0342	0.5981	7.9400e-003	0.1855	5.3000e-003	0.1908	0.0508	5.0700e-003	0.0559		861.3229	861.3229	0.0493		862.5542
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0702	0.0516	0.5413	1.6600e-003	0.1977	1.1600e-003	0.1989	0.0524	1.0700e-003	0.0535		165.6421	165.6421	4.3000e-003		165.7496
Total	0.1265	2.0858	1.1395	9.6000e-003	0.3832	6.46E-03	0.3896	0.1033	6.1400e-003	0.1094		1,026.9649	1,026.9649	0.0536		1,028.3038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	3.1424	30.1602	26.0075	0.0525		1.3943	1.3943		1.2930	1.2930	0.0000	5,074.0904	5,074.0904	1.4786		5,111.0550
Total	3.1424	30.1602	26.0075	0.0525	2.3709	1.3943	3.7651	0.3590	1.2930	1.6520	0.0000	5,074.0904	5,074.0904	1.4786		5,111.0550

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0564	2.0342	0.5981	7.9400e-003	0.1855	5.3000e-003	0.1908	0.0508	5.0700e-003	0.0559		861.3229	861.3229	0.0493		862.5542
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0702	0.0516	0.5413	1.6600e-003	0.1977	1.1600e-003	0.1989	0.0524	1.0700e-003	0.0535		165.6421	165.6421	4.3000e-003		165.7496
Total	0.1265	2.0858	1.1395	9.6000e-003	0.3832	6.4600e-003	0.3896	0.1033	6.1400e-003	0.1094		1,026.9649	1,026.9649	0.0536		1,028.3038

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.4955	36.1870	23.5820	0.0497		1.6628	1.6628		1.5297	1.5297		4,815.8853	4,815.8853	1.5576		4,854.8242
Total	3.4955	36.187	23.5820	0.0497	24.0883	1.6628	25.7511	13.2409	1.5297	14.7707		4,815.8853	4,815.8853	1.5576		4,854.8242

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0593	0.6225	1.9100e-003	0.2274	1.3300e-003	0.2287	0.0603	1.2300e-003	0.0615		190.4884	190.4884	4.9400e-003		190.6120
Total	0.0807	0.0593	0.6225	1.9100e-003	0.2274	1.33E-03	0.2287	0.0603	1.2300e-003	0.0615		190.4884	190.4884	4.9400e-003		190.6120

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.4955	36.1870	23.5820	0.0497		1.6628	1.6628		1.5297	1.5297	0.0000	4,815.8853	4,815.8853	1.5576		4,854.8242
Total	3.4955	36.1870	23.5820	0.0497	24.0883	1.6628	25.7511	13.2409	1.5297	14.7707	0.0000	4,815.8853	4,815.8853	1.5576		4,854.8242

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0807	0.0593	0.6225	1.9100e-003	0.2274	1.3300e-003	0.2287	0.0603	1.2300e-003	0.0615		190.4884	190.4884	4.9400e-003		190.6120
Total	0.0807	0.0593	0.6225	1.9100e-003	0.2274	1.3300e-003	0.2287	0.0603	1.2300e-003	0.0615		190.4884	190.4884	4.9400e-003		190.6120

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.5785	47.8444	36.1079	0.0824		1.9720	1.9720		1.8142	1.8142		7,979.4392	7,979.4392	2.5807		8,043.9570
Total	4.5785	47.8444	36.1079	0.0824	16.0211	1.972	17.9930	7.0499	1.8142	8.8641		7,979.4392	7,979.4392	2.5807		8,043.9570

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0722	0.7579	2.3300e-003	0.2768	1.6200e-003	0.2784	0.0734	1.5000e-003	0.0749		231.8989	231.8989	6.0200e-003		232.0494
Total	0.0982	0.0722	0.7579	2.3300e-003	0.2768	1.62E-03	0.2784	0.0734	1.5000e-003	0.0749		231.8989	231.8989	6.0200e-003		232.0494

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	4.5785	47.8444	36.1079	0.0824		1.9720	1.9720		1.8142	1.8142	0.0000	7,979.4392	7,979.4392	2.5807		8,043.9570
Total	4.5785	47.8444	36.1079	0.0824	16.0211	1.9720	17.9930	7.0499	1.8142	8.8641	0.0000	7,979.4392	7,979.4392	2.5807		8,043.9570

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0982	0.0722	0.7579	2.3300e-003	0.2768	1.6200e-003	0.2784	0.0734	1.5000e-003	0.0749		231.8989	231.8989	6.0200e-003		232.0494
Total	0.0982	0.0722	0.7579	2.3300e-003	0.2768	1.6200e-003	0.2784	0.0734	1.5000e-003	0.0749		231.8989	231.8989	6.0200e-003		232.0494

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1152	20.0269	20.9463	0.0363		0.9648	0.9648		0.9023	0.9023		3,456.0870	3,456.0870	0.8992		3,478.5672
Total	2.1152	20.0269	20.9463	0.0363		0.9648	0.9648		0.9023	0.9023		3,456.0870	3,456.0870	0.8992		3,478.5672

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0962	3.4147	0.9767	8.9900e-003	0.2137	4.9800e-003	0.2186	0.0615	4.7700e-003	0.0663		960.0644	960.0644	0.0487		961.2826
Worker	0.6944	0.5108	5.3592	0.0165	1.9575	0.0115	1.9689	0.5192	0.0106	0.5297		1,639.8565	1,639.8565	0.0426		1,640.9207
Total	0.7906	3.9255	6.3358	0.0254	2.1711	0.0165	2.1876	0.5807	0.0154	0.5960		2,599.9209	2,599.9209	0.0913		2,602.2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1152	20.0269	20.9463	0.0363		0.9648	0.9648		0.9023	0.9023	0.0000	3,456.0870	3,456.0870	0.8992		3,478.5672
Total	2.1152	20.0269	20.9463	0.0363		0.9648	0.9648		0.9023	0.9023	0.0000	3,456.0870	3,456.0870	0.8992		3,478.5672

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0962	3.4147	0.9767	8.9900e-003	0.2137	4.9800e-003	0.2186	0.0615	4.7700e-003	0.0663		960.0644	960.0644	0.0487		961.2826
Worker	0.6944	0.5108	5.3592	0.0165	1.9575	0.0115	1.9689	0.5192	0.0106	0.5297		1,639.8565	1,639.8565	0.0426		1,640.9207
Total	0.7906	3.9255	6.3358	0.0254	2.1711	0.0165	2.1876	0.5807	0.0154	0.5960		2,599.9209	2,599.9209	0.0913		2,602.2033

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3954	13.6774	20.0241	0.0316		0.6767	0.6767		0.6226	0.6226		3,057.2686	3,057.2686	0.9888		3,081.9881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3954	13.6774	20.0241	0.0316		0.6767	0.6767		0.6226	0.6226		3,057.2686	3,057.2686	0.9888		3,081.9881

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0702	0.0516	0.5413	1.6600e-003	0.1977	1.1600e-003	0.1989	0.0524	1.0700e-003	0.0535		165.6421	165.6421	4.3000e-003		165.7496
Total	0.0702	0.0516	0.5413	1.6600e-003	0.1977	1.16E-03	0.1989	0.0524	1.0700e-003	0.0535		165.6421	165.6421	4.3000e-003		165.7496

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3954	13.6774	20.0241	0.0316		0.6767	0.6767		0.6226	0.6226	0.0000	3,057.2686	3,057.2686	0.9888		3,081.9881
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3954	13.6774	20.0241	0.0316		0.6767	0.6767		0.6226	0.6226	0.0000	3,057.2686	3,057.2686	0.9888		3,081.9881

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0702	0.0516	0.5413	1.6600e-003	0.1977	1.1600e-003	0.1989	0.0524	1.0700e-003	0.0535		165.6421	165.6421	4.3000e-003		165.7496
Total	0.0702	0.0516	0.5413	1.6600e-003	0.1977	1.1600e-003	0.1989	0.0524	1.0700e-003	0.0535		165.6421	165.6421	4.3000e-003		165.7496

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	286.7455	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1403	0.1032	1.0827	3.3200e-003	0.3955	2.3200e-003	0.3978	0.1049	2.1400e-003	0.1070		331.2841	331.2841	8.6000e-003		331.4991
Total	0.1403	0.1032	1.0827	3.3200e-003	0.3955	2.3200e-003	0.3978	0.1049	2.1400e-003	0.1070		331.2841	331.2841	8.6000e-003		331.4991

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	286.7455	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1403	0.1032	1.0827	3.3200e-003	0.3955	2.3200e-003	0.3978	0.1049	2.1400e-003	0.1070		331.2841	331.2841	8.6000e-003		331.4991
Total	0.1403	0.1032	1.0827	3.3200e-003	0.3955	2.3200e-003	0.3978	0.1049	2.1400e-003	0.1070		331.2841	331.2841	8.6000e-003		331.4991

Cal Poly MP Construction 2024 - San Luis Obispo County, Annual

Cal Poly MP Construction 2024
San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	197.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/11/2025	12/31/2024
tblConstructionPhase	PhaseEndDate	5/16/2025	11/26/2024
tblConstructionPhase	PhaseEndDate	1/26/2024	1/17/2024
tblConstructionPhase	PhaseEndDate	3/22/2024	2/23/2024
tblConstructionPhase	PhaseEndDate	6/13/2025	12/13/2024
tblConstructionPhase	PhaseEndDate	2/9/2024	1/26/2024
tblConstructionPhase	PhaseStartDate	6/14/2025	12/13/2024
tblConstructionPhase	PhaseStartDate	3/23/2024	2/24/2024
tblConstructionPhase	PhaseStartDate	2/10/2024	1/27/2024

tblConstructionPhase	PhaseStartDate	5/17/2025	11/27/2024
tblConstructionPhase	PhaseStartDate	1/27/2024	1/18/2024
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	2.2234	3.0918	3.3933	7.6200e-003	0.4779	0.1229	0.6008	0.1776	0.1144	0.2920	0.0000	676.8016	676.8016	0.1313	0.0000	680.0840

Maximum	2.2234	3.0918	3.3933	7.6200e-003	0.4779	0.1229	0.6008	0.1776	0.1144	0.2920	0.0000	676.8016	676.8016	0.1313	0.0000	680.084

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	2.2234	3.0918	3.3933	7.6200e-003	0.4779	0.1229	0.6008	0.1776	0.1144	0.2920	0.0000	676.8011	676.8011	0.1313	0.0000	680.0834
Maximum	2.2234	3.0918	3.3933	7.6200e-003	0.4779	0.1229	0.6008	0.1776	0.1144	0.2920	0.0000	676.8011	676.8011	0.1313	0.0000	680.0834

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	1.1687	1.1687
2	4-1-2024	6-30-2024	0.8186	0.8186
3	7-1-2024	9-30-2024	0.8276	0.8276
		Highest	1.1687	1.1687

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/17/2024	5	13	

2	Site Preparation	Site Preparation	1/18/2024	1/26/2024	5	7
3	Grading	Grading	1/27/2024	2/23/2024	5	20
4	Building Construction	Building Construction	2/24/2024	11/26/2024	5	197
5	Paving	Paving	11/27/2024	12/13/2024	5	13
6	Architectural Coating	Architectural Coating	12/13/2024	12/31/2024	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0203	0.1912	0.1697	3.4000e-004		8.7800e-003	8.7800e-003		8.1300e-003	8.1300e-003	0.0000	29.9238	29.9238	8.7100e-003	0.0000	30.1417
Total	0.0203	0.1912	0.1697	3.4000e-004	0.0154	8.7800e-003	0.0242	2.3300e-003	8.1300e-003	0.0105	0.0000	29.9238	29.9238	8.7100e-003	0.0000	30.1417

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.6000e-004	0.0128	3.9300e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	5.0102	5.0102	3.0000e-004	0.0000	5.0177
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.4000e-004	3.1300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9021	0.9021	2.0000e-005	0.0000	0.9027
Total	8.0000e-004	0.0131	7.0600e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	6.9000e-004	0.0000	5.9123	5.9123	3.2000e-004	0.0000	5.9204

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0203	0.1912	0.1697	3.4000e-004		8.7800e-003	8.7800e-003		8.1300e-003	8.1300e-003	0.0000	29.9238	29.9238	8.7100e-003	0.0000	30.1416
Total	0.0203	0.1912	0.1697	3.4000e-004	0.0154	8.7800e-003	0.0242	2.3300e-003	8.1300e-003	0.0105	0.0000	29.9238	29.9238	8.7100e-003	0.0000	30.1416

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.6000e-004	0.0128	3.9300e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	5.0102	5.0102	3.0000e-004	0.0000	5.0177
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.4000e-004	3.1300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9021	0.9021	2.0000e-005	0.0000	0.9027
Total	8.0000e-004	0.0131	7.0600e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	6.9000e-004	0.0000	5.9123	5.9123	3.2000e-004	0.0000	5.9204

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1251	0.0830	1.7000e-004		5.6600e-003	5.6600e-003		5.2100e-003	5.2100e-003	0.0000	15.2939	15.2939	4.9500e-003	0.0000	15.4176
Total	0.0123	0.1251	0.0830	1.7000e-004	0.0843	5.6600e-003	0.0900	0.0463	5.2100e-003	0.0516	0.0000	15.2939	15.2939	4.9500e-003	0.0000	15.4176

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	1.9400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5586	0.5586	1.0000e-005	0.0000	0.5590
Total	2.7000e-004	2.1000e-004	1.9400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5586	0.5586	1.0000e-005	0.0000	0.5590

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1251	0.0830	1.7000e-004		5.6600e-003	5.6600e-003		5.2100e-003	5.2100e-003	0.0000	15.2939	15.2939	4.9500e-003	0.0000	15.4176
Total	0.0123	0.1251	0.0830	1.7000e-004	0.0843	5.6600e-003	0.0900	0.0463	5.2100e-003	0.0516	0.0000	15.2939	15.2939	4.9500e-003	0.0000	15.4176

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	1.9400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5586	0.5586	1.0000e-005	0.0000	0.5590
Total	2.7000e-004	2.1000e-004	1.9400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5586	0.5586	1.0000e-005	0.0000	0.5590

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0445	0.4506	0.3578	8.2000e-004		0.0186	0.0186		0.0171	0.0171	0.0000	72.3707	72.3707	0.0234	0.0000	72.9558
Total	0.0445	0.4506	0.3578	8.2000e-004	0.1602	0.0186	0.1788	0.0705	0.0171	0.0876	0.0000	72.3707	72.3707	0.0234	0.0000	72.9558

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e-004	7.3000e-004	6.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.9431	1.9431	5.0000e-005	0.0000	1.9442
Total	9.5000e-004	7.3000e-004	6.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.9431	1.9431	5.0000e-005	0.0000	1.9442

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0445	0.4506	0.3578	8.2000e-004		0.0186	0.0186		0.0171	0.0171	0.0000	72.3706	72.3706	0.0234	0.0000	72.9558
Total	0.0445	0.4506	0.3578	8.2000e-004	0.1602	0.0186	0.1788	0.0705	0.0171	0.0876	0.0000	72.3706	72.3706	0.0234	0.0000	72.9558

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e-004	7.3000e-004	6.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.9431	1.9431	5.0000e-005	0.0000	1.9442
Total	9.5000e-004	7.3000e-004	6.7300e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.9431	1.9431	5.0000e-005	0.0000	1.9442

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1952	1.8381	2.0503	3.5700e-003		0.0837	0.0837		0.0783	0.0783	0.0000	308.8856	308.8856	0.0800	0.0000	310.8867
Total	0.1952	1.8381	2.0503	3.5700e-003		0.0837	0.0837		0.0783	0.0783	0.0000	308.8856	308.8856	0.0800	0.0000	310.8867

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.3303	0.0963	8.7000e-004	0.0206	4.6000e-004	0.0211	5.9500e-003	4.4000e-004	6.3900e-003	0.0000	84.1798	84.1798	4.5100e-003	0.0000	84.2926
Worker	0.0661	0.0505	0.4688	1.5000e-003	0.1878	1.1000e-003	0.1889	0.0499	1.0200e-003	0.0509	0.0000	135.3405	135.3405	3.3000e-003	0.0000	135.4230
Total	0.0754	0.3808	0.5652	2.3700e-003	0.2084	1.5600e-003	0.2099	0.0559	1.4600e-003	0.0573	0.0000	219.5204	219.5204	7.8100e-003	0.0000	219.7156

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1952	1.8381	2.0503	3.5700e-003		0.0837	0.0837		0.0783	0.0783	0.0000	308.8853	308.8853	0.0800	0.0000	310.8863
Total	0.1952	1.8381	2.0503	3.5700e-003		0.0837	0.0837		0.0783	0.0783	0.0000	308.8853	308.8853	0.0800	0.0000	310.8863

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2500e-003	0.3303	0.0963	8.7000e-004	0.0206	4.6000e-004	0.0211	5.9500e-003	4.4000e-004	6.3900e-003	0.0000	84.1798	84.1798	4.5100e-003	0.0000	84.2926
Worker	0.0661	0.0505	0.4688	1.5000e-003	0.1878	1.1000e-003	0.1889	0.0499	1.0200e-003	0.0509	0.0000	135.3405	135.3405	3.3000e-003	0.0000	135.4230
Total	0.0754	0.3808	0.5652	2.3700e-003	0.2084	1.5600e-003	0.2099	0.0559	1.4600e-003	0.0573	0.0000	219.5204	219.5204	7.8100e-003	0.0000	219.7156

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.6900e-003	0.0830	0.1306	2.1000e-004		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	18.0273	18.0273	5.8300e-003	0.0000	18.1730
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.6900e-003	0.0830	0.1306	2.1000e-004		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	18.0273	18.0273	5.8300e-003	0.0000	18.1730

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.4000e-004	3.1300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9021	0.9021	2.0000e-005	0.0000	0.9027
Total	4.4000e-004	3.4000e-004	3.1300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9021	0.9021	2.0000e-005	0.0000	0.9027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.6900e-003	0.0830	0.1306	2.1000e-004		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	18.0272	18.0272	5.8300e-003	0.0000	18.1730
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.6900e-003	0.0830	0.1306	2.1000e-004		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	18.0272	18.0272	5.8300e-003	0.0000	18.1730

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.4000e-004	3.1300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9021	0.9021	2.0000e-005	0.0000	0.9027
Total	4.4000e-004	3.4000e-004	3.1300e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.9021	0.9021	2.0000e-005	0.0000	0.9027

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

Off-Road	1.1700e-003	7.9200e-003	0.0118	2.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6620
Total	1.8638	7.9200e-003	0.0118	2.0000e-005		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6620

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.8000e-004	6.7000e-004	6.2500e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.8043	1.8043	4.0000e-005	0.0000	1.8054
Total	8.8000e-004	6.7000e-004	6.2500e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.8043	1.8043	4.0000e-005	0.0000	1.8054

Cal Poly MP Construction 2024 - San Luis Obispo County, Summer

Cal Poly MP Construction 2024
San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	197.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/11/2025	12/31/2024
tblConstructionPhase	PhaseEndDate	5/16/2025	11/26/2024
tblConstructionPhase	PhaseEndDate	1/26/2024	1/17/2024
tblConstructionPhase	PhaseEndDate	3/22/2024	2/23/2024
tblConstructionPhase	PhaseEndDate	6/13/2025	12/13/2024
tblConstructionPhase	PhaseEndDate	2/9/2024	1/26/2024
tblConstructionPhase	PhaseStartDate	6/14/2025	12/13/2024
tblConstructionPhase	PhaseStartDate	3/23/2024	2/24/2024
tblConstructionPhase	PhaseStartDate	2/10/2024	1/27/2024

tblConstructionPhase	PhaseStartDate	5/17/2025	11/27/2024
tblConstructionPhase	PhaseStartDate	1/27/2024	1/18/2024
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	288.2694	45.1284	36.4750	0.0846	24.3157	1.8620	25.9340	13.3012	1.7131	14.7900	0.0000	8,200.3827	8,200.3827	2.5855	0.0000	8,265.0201

Maximum	288.2694	45.1284	36.4750	0.0846	24.3157	1.8620	25.9340	13.3012	1.7131	14.7900	0.0000	8,200.3827	8,200.3827	2.5855	0.0000	8,265.0201

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	288.2694	45.1284	36.4750	0.0846	24.3157	1.8620	25.9340	13.3012	1.7131	14.7900	0.0000	8,200.3827	8,200.3827	2.5855	0.0000	8,265.0201
Maximum	288.2694	45.1284	36.4750	0.0846	24.3157	1.8620	25.9340	13.3012	1.7131	14.7900	0.0000	8,200.3827	8,200.3827	2.5855	0.0000	8,265.0201

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	1/17/2024	5	13	
2	Site Preparation	Site Preparation	1/18/2024	1/26/2024	5	7	
3	Grading	Grading	1/27/2024	2/23/2024	5	20	
4	Building Construction	Building Construction	2/24/2024	11/26/2024	5	197	
5	Paving	Paving	11/27/2024	12/13/2024	5	13	
6	Architectural Coating	Architectural Coating	12/13/2024	12/31/2024	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	3.1190	29.4087	26.1035	0.0525		1.3504	1.3504		1.2512	1.2512		5,074.6691	5,074.6691	1.4777		5,111.6123
Total	3.119	29.4087	26.1035	0.0525	2.3709	1.3504	3.7213	0.3590	1.2512	1.6103		5,074.6691	5,074.6691	1.4777		5,111.6123

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0548	1.9400	0.5911	7.8700e-003	0.1855	4.8600e-003	0.1904	0.0509	4.6500e-003	0.0555		855.3420	855.3420	0.0504		856.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0466	0.4997	1.6000e-003	0.1977	1.1300e-003	0.1989	0.0524	1.0400e-003	0.0535		159.2002	159.2002	3.8600e-003		159.2968
Total	0.1209	1.9865	1.0909	9.4700e-003	0.3832	5.99E-03	0.3892	0.1033	5.6900e-003	0.1090		1,014.5422	1,014.5422	0.0543		1,015.8992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	3.1190	29.4087	26.1035	0.0525		1.3504	1.3504		1.2512	1.2512	0.0000	5,074.6691	5,074.6691	1.4777		5,111.6123
Total	3.1190	29.4087	26.1035	0.0525	2.3709	1.3504	3.7213	0.3590	1.2512	1.6103	0.0000	5,074.6691	5,074.6691	1.4777		5,111.6123

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0548	1.9400	0.5911	7.8700e-003	0.1855	4.8600e-003	0.1904	0.0509	4.6500e-003	0.0555		855.3420	855.3420	0.0504		856.6025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0466	0.4997	1.6000e-003	0.1977	1.1300e-003	0.1989	0.0524	1.0400e-003	0.0535		159.2002	159.2002	3.8600e-003		159.2968
Total	0.1209	1.9865	1.0909	9.4700e-003	0.3832	5.9900e-003	0.3892	0.1033	5.6900e-003	0.1090		1,014.5422	1,014.5422	0.0543		1,015.8992

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.4999	35.7519	23.7023	0.0497		1.6170	1.6170		1.4876	1.4876		4,816.7577	4,816.7577	1.5578		4,855.7036
Total	3.4999	35.7519	23.7023	0.0497	24.0883	1.617	25.7053	13.2409	1.4876	14.7285		4,816.7577	4,816.7577	1.5578		4,855.7036

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0760	0.0536	0.5747	1.8400e-003	0.2274	1.3000e-003	0.2287	0.0603	1.2000e-003	0.0615		183.0802	183.0802	4.4400e-003		183.1913
Total	0.076	0.0536	0.5747	1.8400e-003	0.2274	1.30E-03	0.2287	0.0603	1.2000e-003	0.0615		183.0802	183.0802	4.4400e-003		183.1913

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.4999	35.7519	23.7023	0.0497		1.6170	1.6170		1.4876	1.4876	0.0000	4,816.7577	4,816.7577	1.5578		4,855.7036
Total	3.4999	35.7519	23.7023	0.0497	24.0883	1.6170	25.7053	13.2409	1.4876	14.7285	0.0000	4,816.7577	4,816.7577	1.5578		4,855.7036

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0760	0.0536	0.5747	1.8400e-003	0.2274	1.3000e-003	0.2287	0.0603	1.2000e-003	0.0615		183.0802	183.0802	4.4400e-003		183.1913
Total	0.0760	0.0536	0.5747	1.8400e-003	0.2274	1.3000e-003	0.2287	0.0603	1.2000e-003	0.0615		183.0802	183.0802	4.4400e-003		183.1913

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	4.4481	45.0632	35.7754	0.0824		1.8604	1.8604		1.7116	1.7116		7,977.5025	7,977.5025	2.5801		8,042.0047
Total	4.4481	45.0632	35.7754	0.0824	16.0211	1.8604	17.8815	7.0499	1.7116	8.7615		7,977.5025	7,977.5025	2.5801		8,042.0047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0925	0.0652	0.6996	2.2400e-003	0.2768	1.5800e-003	0.2784	0.0734	1.4600e-003	0.0749		222.8802	222.8802	5.4100e-003		223.0155
Total	0.0925	0.0652	0.6996	2.2400e-003	0.2768	1.58E-03	0.2784	0.0734	1.4600e-003	0.0749		222.8802	222.8802	5.4100e-003		223.0155

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.4481	45.0632	35.7754	0.0824		1.8604	1.8604		1.7116	1.7116	0.0000	7,977.5025	7,977.5025	2.5801		8,042.0047
Total	4.4481	45.0632	35.7754	0.0824	16.0211	1.8604	17.8815	7.0499	1.7116	8.7615	0.0000	7,977.5025	7,977.5025	2.5801		8,042.0047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0925	0.0652	0.6996	2.2400e-003	0.2768	1.5800e-003	0.2784	0.0734	1.4600e-003	0.0749		222.8802	222.8802	5.4100e-003		223.0155
Total	0.0925	0.0652	0.6996	2.2400e-003	0.2768	1.5800e-003	0.2784	0.0734	1.4600e-003	0.0749		222.8802	222.8802	5.4100e-003		223.0155

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9820	18.6608	20.8152	0.0363		0.8501	0.8501		0.7947	0.7947		3,456.7321	3,456.7321	0.8958		3,479.1261
Total	1.982	18.6608	20.8152	0.0363		0.8501	0.8501		0.7947	0.7947		3,456.7321	3,456.7321	0.8958		3,479.1261

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0912	3.3391	0.9179	8.9300e-003	0.2137	4.6000e-003	0.2183	0.0616	4.4000e-003	0.0660		954.8141	954.8141	0.0490		956.0387
Worker	0.6540	0.4610	4.9474	0.0158	1.9575	0.0112	1.9687	0.5192	0.0103	0.5295		1,576.0815	1,576.0815	0.0383		1,577.0379
Total	0.7452	3.8001	5.8653	0.0247	2.1711	0.0158	2.1870	0.5807	0.0147	0.5954		2,530.8956	2,530.8956	0.0872		2,533.0766

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9820	18.6608	20.8152	0.0363		0.8501	0.8501		0.7947	0.7947	0.0000	3,456.7321	3,456.7321	0.8958		3,479.1261
Total	1.9820	18.6608	20.8152	0.0363		0.8501	0.8501		0.7947	0.7947	0.0000	3,456.7321	3,456.7321	0.8958		3,479.1261

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0912	3.3391	0.9179	8.9300e-003	0.2137	4.6000e-003	0.2183	0.0616	4.4000e-003	0.0660		954.8141	954.8141	0.0490		956.0387
Worker	0.6540	0.4610	4.9474	0.0158	1.9575	0.0112	1.9687	0.5192	0.0103	0.5295		1,576.0815	1,576.0815	0.0383		1,577.0379
Total	0.7452	3.8001	5.8653	0.0247	2.1711	0.0158	2.1870	0.5807	0.0147	0.5954		2,530.8956	2,530.8956	0.0872		2,533.0766

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3365	12.7626	20.0886	0.0316		0.6221	0.6221		0.5723	0.5723		3,057.1751	3,057.1751	0.9888		3,081.8939
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3365	12.7626	20.0886	0.0316		0.6221	0.6221		0.5723	0.5723		3,057.1751	3,057.1751	0.9888		3,081.8939

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0466	0.4997	1.6000e-003	0.1977	1.1300e-003	0.1989	0.0524	1.0400e-003	0.0535		159.2002	159.2002	3.8600e-003		159.2968
Total	0.0661	0.0466	0.4997	1.6000e-003	0.1977	1.13E-03	0.1989	0.0524	1.0400e-003	0.0535		159.2002	159.2002	3.8600e-003		159.2968

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3365	12.7626	20.0886	0.0316		0.6221	0.6221		0.5723	0.5723	0.0000	3,057.1751	3,057.1751	0.9888		3,081.8939
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3365	12.7626	20.0886	0.0316		0.6221	0.6221		0.5723	0.5723	0.0000	3,057.1751	3,057.1751	0.9888		3,081.8939

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0466	0.4997	1.6000e-003	0.1977	1.1300e-003	0.1989	0.0524	1.0400e-003	0.0535		159.2002	159.2002	3.8600e-003		159.2968
Total	0.0661	0.0466	0.4997	1.6000e-003	0.1977	1.1300e-003	0.1989	0.0524	1.0400e-003	0.0535		159.2002	159.2002	3.8600e-003		159.2968

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	286.7346	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1321	0.0931	0.9995	3.1900e-003	0.3955	2.2600e-003	0.3977	0.1049	2.0900e-003	0.1070		318.4003	318.4003	7.7300e-003		318.5935
Total	0.1321	0.0931	0.9995	3.1900e-003	0.3955	2.2600e-003	0.3977	0.1049	2.0900e-003	0.1070		318.4003	318.4003	7.7300e-003		318.5935

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	286.7346	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1321	0.0931	0.9995	3.1900e-003	0.3955	2.2600e-003	0.3977	0.1049	2.0900e-003	0.1070		318.4003	318.4003	7.7300e-003		318.5935
Total	0.1321	0.0931	0.9995	3.1900e-003	0.3955	2.2600e-003	0.3977	0.1049	2.0900e-003	0.1070		318.4003	318.4003	7.7300e-003		318.5935

Cal Poly MP Construction 2025 - San Luis Obispo County, Annual

Cal Poly MP Construction 2025

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Solid Waste - Construction only

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2026	12/31/2025
tblConstructionPhase	PhaseEndDate	5/19/2026	11/26/2025
tblConstructionPhase	PhaseEndDate	1/28/2025	1/17/2025
tblConstructionPhase	PhaseEndDate	3/25/2025	2/25/2025
tblConstructionPhase	PhaseEndDate	6/16/2026	12/15/2025
tblConstructionPhase	PhaseEndDate	2/11/2025	1/28/2025
tblConstructionPhase	PhaseStartDate	6/17/2026	12/15/2025
tblConstructionPhase	PhaseStartDate	3/26/2025	2/26/2025

tblConstructionPhase	PhaseStartDate	2/12/2025	1/29/2025
tblConstructionPhase	PhaseStartDate	5/20/2026	11/27/2025
tblConstructionPhase	PhaseStartDate	1/29/2025	1/18/2025
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2025	2.1972	2.8361	3.3035	7.5200e-003	0.4769	0.1065	0.5833	0.1773	0.0991	0.2764	0.0000	668.0866	668.0866	0.1302	0.0000	671.3419
Maximum	2.1972	2.8361	3.3035	7.5200e-003	0.4769	0.1065	0.5833	0.1773	0.0991	0.2764	0.0000	668.0866	668.0866	0.1302	0.0000	671.3419

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	2.1972	2.8361	3.3035	7.5200e-003	0.4769	0.1065	0.5833	0.1773	0.0991	0.2764	0.0000	668.0860	668.0860	0.1302	0.0000	671.3414
Maximum	2.1972	2.8361	3.3035	7.5200e-003	0.4769	0.1065	0.5833	0.1773	0.0991	0.2764	0.0000	668.0860	668.0860	0.1302	0.0000	671.3414

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2025	3-31-2025	1.0590	1.0590
2	4-1-2025	6-30-2025	0.7626	0.7626
3	7-1-2025	9-30-2025	0.7710	0.7710
		Highest	1.0590	1.0590

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description

1	Demolition	Demolition	1/1/2025	1/17/2025	5	13
2	Site Preparation	Site Preparation	1/18/2025	1/28/2025	5	7
3	Grading	Grading	1/29/2025	2/25/2025	5	20
4	Building Construction	Building Construction	2/26/2025	11/26/2025	5	196
5	Paving	Paving	11/27/2025	12/15/2025	5	13
6	Architectural Coating	Architectural Coating	12/15/2025	12/31/2025	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42

Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0122	3.8800e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.9779	4.9779	3.1000e-004	0.0000	4.9856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	2.8800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8660	0.8660	2.0000e-005	0.0000	0.8665
Total	7.7000e-004	0.0125	6.7600e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	6.9000e-004	0.0000	5.8439	5.8439	3.3000e-004	0.0000	5.8520

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.5000e-004	0.0122	3.8800e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.9779	4.9779	3.1000e-004	0.0000	4.9856
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	2.8800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8660	0.8660	2.0000e-005	0.0000	0.8665
Total	7.7000e-004	0.0125	6.7600e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	6.9000e-004	0.0000	5.8439	5.8439	3.3000e-004	0.0000	5.8520

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	1.7800e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5362	0.5362	1.0000e-005	0.0000	0.5366
Total	2.6000e-004	1.9000e-004	1.7800e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5362	0.5362	1.0000e-005	0.0000	0.5366

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.9000e-004	1.7800e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5362	0.5362	1.0000e-005	0.0000	0.5366
Total	2.6000e-004	1.9000e-004	1.7800e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5362	0.5362	1.0000e-005	0.0000	0.5366

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	6.6000e-004	6.2000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.8652	1.8652	4.0000e-005	0.0000	1.8663
Total	9.0000e-004	6.6000e-004	6.2000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.8652	1.8652	4.0000e-005	0.0000	1.8663

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-004	6.6000e-004	6.2000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.8652	1.8652	4.0000e-005	0.0000	1.8663
Total	9.0000e-004	6.6000e-004	6.2000e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.8652	1.8652	4.0000e-005	0.0000	1.8663

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7700e-003	0.3216	0.0910	8.6000e-004	0.0205	4.2000e-004	0.0209	5.9200e-003	4.1000e-004	6.3300e-003	0.0000	83.3167	83.3167	4.5100e-003	0.0000	83.4294
Worker	0.0622	0.0455	0.4299	1.4300e-003	0.1868	1.0700e-003	0.1879	0.0496	9.9000e-004	0.0506	0.0000	129.2571	129.2571	2.9500e-003	0.0000	129.3309
Total	0.0710	0.3672	0.5210	2.2900e-003	0.2073	1.4900e-003	0.2088	0.0556	1.4000e-003	0.0570	0.0000	212.5737	212.5737	7.4600e-003	0.0000	212.7602

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7700e-003	0.3216	0.0910	8.6000e-004	0.0205	4.2000e-004	0.0209	5.9200e-003	4.1000e-004	6.3300e-003	0.0000	83.3167	83.3167	4.5100e-003	0.0000	83.4294
Worker	0.0622	0.0455	0.4299	1.4300e-003	0.1868	1.0700e-003	0.1879	0.0496	9.9000e-004	0.0506	0.0000	129.2571	129.2571	2.9500e-003	0.0000	129.3309
Total	0.0710	0.3672	0.5210	2.2900e-003	0.2073	1.4900e-003	0.2088	0.0556	1.4000e-003	0.0570	0.0000	212.5737	212.5737	7.4600e-003	0.0000	212.7602

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	2.8800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8660	0.8660	2.0000e-005	0.0000	0.8665
Total	4.2000e-004	3.0000e-004	2.8800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8660	0.8660	2.0000e-005	0.0000	0.8665

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	2.8800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8660	0.8660	2.0000e-005	0.0000	0.8665
Total	4.2000e-004	3.0000e-004	2.8800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8660	0.8660	2.0000e-005	0.0000	0.8665

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.8637	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	6.1000e-004	5.7600e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.7320	1.7320	4.0000e-005	0.0000	1.7329
Total	8.3000e-004	6.1000e-004	5.7600e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.7320	1.7320	4.0000e-005	0.0000	1.7329

Cal Poly MP Construction 2025 - San Luis Obispo County, Summer

Cal Poly MP Construction 2025

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2026
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_ Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_ Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_ Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_ Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2026	12/31/2025
tblConstructionPhase	PhaseEndDate	5/19/2026	11/26/2025
tblConstructionPhase	PhaseEndDate	1/28/2025	1/17/2025
tblConstructionPhase	PhaseEndDate	3/25/2025	2/25/2025
tblConstructionPhase	PhaseEndDate	6/16/2026	12/15/2025
tblConstructionPhase	PhaseEndDate	2/11/2025	1/28/2025
tblConstructionPhase	PhaseStartDate	6/17/2026	12/15/2025
tblConstructionPhase	PhaseStartDate	3/26/2025	2/26/2025
tblConstructionPhase	PhaseStartDate	2/12/2025	1/29/2025

tblConstructionPhase	PhaseStartDate	5/20/2026	11/27/2025
tblConstructionPhase	PhaseStartDate	1/29/2025	1/18/2025
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	288.1478	39.3114	34.8280	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,189.7639	8,189.7639	2.5844	0.0000	8,254.3743

Maximum	288.1478	39.3114	34.8280	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,189.7639	8,189.7639	2.5844	0.0000	8,254.3743

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	288.1478	39.3114	34.8280	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,189.7639	8,189.7639	2.5844	0.0000	8,254.3743
Maximum	288.1478	39.3114	34.8280	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,189.7639	8,189.7639	2.5844	0.0000	8,254.3743

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2025	1/17/2025	5	13	
2	Site Preparation	Site Preparation	1/18/2025	1/28/2025	5	7	
3	Grading	Grading	1/29/2025	2/25/2025	5	20	
4	Building Construction	Building Construction	2/26/2025	11/26/2025	5	196	
5	Paving	Paving	11/27/2025	12/15/2025	5	13	
6	Architectural Coating	Architectural Coating	12/15/2025	12/31/2025	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140		5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730		5,074.8975	5,074.8975	1.4757		5,111.7905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0533	1.8554	0.5850	7.8100e-003	0.1856	4.4700e-003	0.1901	0.0509	4.2800e-003	0.0552		849.8353	849.8353	0.0515		851.1224
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0422	0.4612	1.5300e-003	0.1977	1.1100e-003	0.1988	0.0524	1.0200e-003	0.0535		152.8178	152.8178	3.4800e-003		152.9048
Total	0.1158	1.8976	1.0462	9.3400e-003	0.3833	5.58E-03	0.3889	0.1033	5.3000e-003	0.1086		1,002.6531	1,002.6531	0.0550		1,004.0273

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0533	1.8554	0.5850	7.8100e-003	0.1856	4.4700e-003	0.1901	0.0509	4.2800e-003	0.0552		849.8353	849.8353	0.0515		851.1224
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0422	0.4612	1.5300e-003	0.1977	1.1100e-003	0.1988	0.0524	1.0200e-003	0.0535		152.8178	152.8178	3.4800e-003		152.9048
Total	0.1158	1.8976	1.0462	9.3400e-003	0.3833	5.5800e-003	0.3889	0.1033	5.3000e-003	0.1086		1,002.6531	1,002.6531	0.0550		1,004.0273

3.3 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165		4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.431	25.5194	13.2409	1.3165	14.5575		4,818.1197	4,818.1197	1.5583		4,857.0766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.0485	0.5304	1.7600e-003	0.2274	1.2700e-003	0.2287	0.0603	1.1700e-003	0.0615		175.7404	175.7404	4.0000e-003		175.8406
Total	0.0718	0.0485	0.5304	1.7600e-003	0.2274	1.27E-03	0.2287	0.0603	1.1700e-003	0.0615		175.7404	175.7404	4.0000e-003		175.8406

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.4310	25.5194	13.2409	1.3165	14.5575	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0718	0.0485	0.5304	1.7600e-003	0.2274	1.2700e-003	0.2287	0.0603	1.1700e-003	0.0615		175.7404	175.7404	4.0000e-003		175.8406
Total	0.0718	0.0485	0.5304	1.7600e-003	0.2274	1.2700e-003	0.2287	0.0603	1.1700e-003	0.0615		175.7404	175.7404	4.0000e-003		175.8406

3.4 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648		7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147		7,975.8190	7,975.8190	2.5795		8,040.3076

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0874	0.0590	0.6457	2.1500e-003	0.2768	1.5500e-003	0.2784	0.0734	1.4300e-003	0.0748		213.9449	213.9449	4.8800e-003		214.0668
Total	0.0874	0.059	0.6457	2.1500e-003	0.2768	1.55E-03	0.2784	0.0734	1.4300e-003	0.0748		213.9449	213.9449	4.8800e-003		214.0668

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0874	0.0590	0.6457	2.1500e-003	0.2768	1.5500e-003	0.2784	0.0734	1.4300e-003	0.0748		213.9449	213.9449	4.8800e-003		214.0668
Total	0.0874	0.0590	0.6457	2.1500e-003	0.2768	1.5500e-003	0.2784	0.0734	1.4300e-003	0.0748		213.9449	213.9449	4.8800e-003		214.0668

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0870	3.2694	0.8717	8.8700e-003	0.2137	4.2500e-003	0.2180	0.0616	4.0600e-003	0.0656		949.8559	949.8559	0.0492		951.0862
Worker	0.6181	0.4175	4.5657	0.0152	1.9575	0.0110	1.9684	0.5192	0.0101	0.5293		1,512.8959	1,512.8959	0.0345		1,513.7578
Total	0.705	3.6869	5.4375	0.0240	2.1712	0.0152	2.1864	0.5807	0.0142	0.5949		2,462.7518	2,462.7518	0.0837		2,464.8440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0870	3.2694	0.8717	8.8700e-003	0.2137	4.2500e-003	0.2180	0.0616	4.0600e-003	0.0656		949.8559	949.8559	0.0492		951.0862
Worker	0.6181	0.4175	4.5657	0.0152	1.9575	0.0110	1.9684	0.5192	0.0101	0.5293		1,512.8959	1,512.8959	0.0345		1,513.7578
Total	0.7050	3.6869	5.4375	0.0240	2.1712	0.0152	2.1864	0.5807	0.0142	0.5949		2,462.7518	2,462.7518	0.0837		2,464.8440

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0422	0.4612	1.5300e-003	0.1977	1.1100e-003	0.1988	0.0524	1.0200e-003	0.0535		152.8178	152.8178	3.4800e-003		152.9048
Total	0.0624	0.0422	0.4612	1.5300e-003	0.1977	1.11E-03	0.1988	0.0524	1.0200e-003	0.0535		152.8178	152.8178	3.4800e-003		152.9048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0624	0.0422	0.4612	1.5300e-003	0.1977	1.1100e-003	0.1988	0.0524	1.0200e-003	0.0535		152.8178	152.8178	3.4800e-003		152.9048
Total	0.0624	0.0422	0.4612	1.5300e-003	0.1977	1.1100e-003	0.1988	0.0524	1.0200e-003	0.0535		152.8178	152.8178	3.4800e-003		152.9048

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1249	0.0843	0.9224	3.0700e-003	0.3955	2.2200e-003	0.3977	0.1049	2.0400e-003	0.1069		305.6355	305.6355	6.9600e-003		305.8097
Total	0.1249	0.0843	0.9224	3.0700e-003	0.3955	2.2200e-003	0.3977	0.1049	2.0400e-003	0.1069		305.6355	305.6355	6.9600e-003		305.8097

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1249	0.0843	0.9224	3.0700e-003	0.3955	2.2200e-003	0.3977	0.1049	2.0400e-003	0.1069		305.6355	305.6355	6.9600e-003		305.8097
Total	0.1249	0.0843	0.9224	3.0700e-003	0.3955	2.2200e-003	0.3977	0.1049	2.0400e-003	0.1069		305.6355	305.6355	6.9600e-003		305.8097

Cal Poly MP Construction 2026 - San Luis Obispo County, Annual

Cal Poly MP Construction 2026

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2027	12/31/2026
tblConstructionPhase	PhaseEndDate	5/19/2027	11/26/2026
tblConstructionPhase	PhaseEndDate	1/28/2026	1/19/2026
tblConstructionPhase	PhaseEndDate	3/25/2026	2/25/2026
tblConstructionPhase	PhaseEndDate	6/16/2027	12/15/2026
tblConstructionPhase	PhaseEndDate	2/11/2026	1/28/2026
tblConstructionPhase	PhaseStartDate	6/17/2027	12/15/2026
tblConstructionPhase	PhaseStartDate	3/26/2026	2/26/2026
tblConstructionPhase	PhaseStartDate	2/12/2026	1/29/2026

tblConstructionPhase	PhaseStartDate	5/20/2027	11/27/2026
tblConstructionPhase	PhaseStartDate	1/29/2026	1/20/2026
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	2.1936	2.8252	3.2669	7.4600e-003	0.4769	0.1064	0.5833	0.1773	0.0990	0.2764	0.0000	662.6300	662.6300	0.1300	0.0000	665.8786

Maximum	2.1936	2.8252	3.2669	7.4600e-003	0.4769	0.1064	0.5833	0.1773	0.0990	0.2764	0.0000	662.6300	662.6300	0.1300	0.0000	665.8786

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	2.1936	2.8252	3.2668	7.4600e-003	0.4769	0.1064	0.5833	0.1773	0.0990	0.2764	0.0000	662.6295	662.6295	0.1300	0.0000	665.8781
Maximum	2.1936	2.8252	3.2668	7.4600e-003	0.4769	0.1064	0.5833	0.1773	0.0990	0.2764	0.0000	662.6295	662.6295	0.1300	0.0000	665.8781

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2026	3-31-2026	1.0532	1.0532
2	4-1-2026	6-30-2026	0.7582	0.7582
3	7-1-2026	9-30-2026	0.7665	0.7665
		Highest	1.0532	1.0532

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	1/19/2026	5	13	

2	Site Preparation	Site Preparation	1/20/2026	1/28/2026	5	7
3	Grading	Grading	1/29/2026	2/25/2026	5	20
4	Building Construction	Building Construction	2/26/2026	11/26/2026	5	196
5	Paving	Paving	11/27/2026	12/15/2026	5	13
6	Architectural Coating	Architectural Coating	12/15/2026	12/31/2026	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4000e-004	0.0117	3.8500e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.9484	4.9484	3.1000e-004	0.0000	4.9562
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.8000e-004	2.6700e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8338	0.8338	2.0000e-005	0.0000	0.8343
Total	7.4000e-004	0.0120	6.5200e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	6.9000e-004	0.0000	5.7822	5.7822	3.3000e-004	0.0000	5.7905

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.4000e-004	0.0117	3.8500e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2100e-003	3.2000e-004	3.0000e-005	3.5000e-004	0.0000	4.9484	4.9484	3.1000e-004	0.0000	4.9562
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.8000e-004	2.6700e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8338	0.8338	2.0000e-005	0.0000	0.8343
Total	7.4000e-004	0.0120	6.5200e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4700e-003	6.5000e-004	4.0000e-005	6.9000e-004	0.0000	5.7822	5.7822	3.3000e-004	0.0000	5.7905

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.7000e-004	1.6500e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5163	0.5163	1.0000e-005	0.0000	0.5166
Total	2.5000e-004	1.7000e-004	1.6500e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5163	0.5163	1.0000e-005	0.0000	0.5166

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.7000e-004	1.6500e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5163	0.5163	1.0000e-005	0.0000	0.5166
Total	2.5000e-004	1.7000e-004	1.6500e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.5163	0.5163	1.0000e-005	0.0000	0.5166

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.0000e-004	5.7500e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7959	1.7959	4.0000e-005	0.0000	1.7969
Total	8.5000e-004	6.0000e-004	5.7500e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7959	1.7959	4.0000e-005	0.0000	1.7969

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5000e-004	6.0000e-004	5.7500e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7959	1.7959	4.0000e-005	0.0000	1.7969
Total	8.5000e-004	6.0000e-004	5.7500e-003	2.0000e-005	2.7000e-003	2.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7959	1.7959	4.0000e-005	0.0000	1.7969

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-003	0.3154	0.0870	8.5000e-004	0.0205	3.9000e-004	0.0209	5.9200e-003	3.8000e-004	6.3000e-003	0.0000	82.9083	82.9083	4.5300e-003	0.0000	83.0214
Worker	0.0592	0.0415	0.3988	1.3800e-003	0.1868	1.0400e-003	0.1879	0.0496	9.6000e-004	0.0506	0.0000	124.4562	124.4562	2.6700e-003	0.0000	124.5231
Total	0.0676	0.3569	0.4858	2.2300e-003	0.2073	1.4300e-003	0.2087	0.0556	1.3400e-003	0.0569	0.0000	207.3645	207.3645	7.2000e-003	0.0000	207.5445

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-003	0.3154	0.0870	8.5000e-004	0.0205	3.9000e-004	0.0209	5.9200e-003	3.8000e-004	6.3000e-003	0.0000	82.9083	82.9083	4.5300e-003	0.0000	83.0214
Worker	0.0592	0.0415	0.3988	1.3800e-003	0.1868	1.0400e-003	0.1879	0.0496	9.6000e-004	0.0506	0.0000	124.4562	124.4562	2.6700e-003	0.0000	124.5231
Total	0.0676	0.3569	0.4858	2.2300e-003	0.2073	1.4300e-003	0.2087	0.0556	1.3400e-003	0.0569	0.0000	207.3645	207.3645	7.2000e-003	0.0000	207.5445

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.8000e-004	2.6700e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8338	0.8338	2.0000e-005	0.0000	0.8343
Total	4.0000e-004	2.8000e-004	2.6700e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8338	0.8338	2.0000e-005	0.0000	0.8343

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	2.8000e-004	2.6700e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8338	0.8338	2.0000e-005	0.0000	0.8343
Total	4.0000e-004	2.8000e-004	2.6700e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8338	0.8338	2.0000e-005	0.0000	0.8343

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.8637	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	5.6000e-004	5.3400e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.6676	1.6676	4.0000e-005	0.0000	1.6685
Total	7.9000e-004	5.6000e-004	5.3400e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.6676	1.6676	4.0000e-005	0.0000	1.6685

Cal Poly MP Construction 2026 - San Luis Obispo County, Summer

Cal Poly MP Construction 2026

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2027
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2027	12/31/2026
tblConstructionPhase	PhaseEndDate	5/19/2027	11/26/2026
tblConstructionPhase	PhaseEndDate	1/28/2026	1/19/2026
tblConstructionPhase	PhaseEndDate	3/25/2026	2/25/2026
tblConstructionPhase	PhaseEndDate	6/16/2027	12/15/2026
tblConstructionPhase	PhaseEndDate	2/11/2026	1/28/2026
tblConstructionPhase	PhaseStartDate	6/17/2027	12/15/2026
tblConstructionPhase	PhaseStartDate	3/26/2026	2/26/2026
tblConstructionPhase	PhaseStartDate	2/12/2026	1/29/2026

tblConstructionPhase	PhaseStartDate	5/20/2027	11/27/2026
tblConstructionPhase	PhaseStartDate	1/29/2026	1/20/2026
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	288.1384	39.3062	34.7818	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,181.8175	8,181.8175	2.5840	0.0000	8,246.4165

Maximum	288.1384	39.3062	34.7818	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,181.8175	8,181.8175	2.5840	0.0000	8,246.4165

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	288.1384	39.3062	34.7818	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,181.8175	8,181.8175	2.5840	0.0000	8,246.4165
Maximum	288.1384	39.3062	34.7818	0.0845	24.3157	1.5937	25.7480	13.3012	1.4662	14.6189	0.0000	8,181.8175	8,181.8175	2.5840	0.0000	8,246.4165

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2026	1/19/2026	5	13	
2	Site Preparation	Site Preparation	1/20/2026	1/28/2026	5	7	
3	Grading	Grading	1/29/2026	2/25/2026	5	20	
4	Building Construction	Building Construction	2/26/2026	11/26/2026	5	196	
5	Paving	Paving	11/27/2026	12/15/2026	5	13	
6	Architectural Coating	Architectural Coating	12/15/2026	12/31/2026	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140		5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730		5,074.8975	5,074.8975	1.4757		5,111.7905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0520	1.7818	0.5803	7.7500e-003	0.1856	4.1500e-003	0.1898	0.0509	3.9700e-003	0.0549		844.8077	844.8077	0.0524		846.1176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0593	0.0384	0.4282	1.4800e-003	0.1977	1.0700e-003	0.1988	0.0524	9.9000e-004	0.0534		147.1417	147.1417	3.1600e-003		147.2207
Total	0.1113	1.8203	1.0085	9.2300e-003	0.3834	5.22E-03	0.3886	0.1033	4.9600e-003	0.1083		991.9494	991.9494	0.0556		993.3382

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0520	1.7818	0.5803	7.7500e-003	0.1856	4.1500e-003	0.1898	0.0509	3.9700e-003	0.0549		844.8077	844.8077	0.0524		846.1176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0593	0.0384	0.4282	1.4800e-003	0.1977	1.0700e-003	0.1988	0.0524	9.9000e-004	0.0534		147.1417	147.1417	3.1600e-003		147.2207
Total	0.1113	1.8203	1.0085	9.2300e-003	0.3834	5.2200e-003	0.3886	0.1033	4.9600e-003	0.1083		991.9494	991.9494	0.0556		993.3382

3.3 Site Preparation - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165		4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.431	25.5194	13.2409	1.3165	14.5575		4,818.1197	4,818.1197	1.5583		4,857.0766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0442	0.4925	1.7000e-003	0.2274	1.2300e-003	0.2286	0.0603	1.1400e-003	0.0614		169.2130	169.2130	3.6300e-003		169.3038
Total	0.0682	0.0442	0.4925	1.7000e-003	0.2274	1.23E-03	0.2286	0.0603	1.1400e-003	0.0614		169.2130	169.2130	3.6300e-003		169.3038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.4310	25.5194	13.2409	1.3165	14.5575	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0442	0.4925	1.7000e-003	0.2274	1.2300e-003	0.2286	0.0603	1.1400e-003	0.0614		169.2130	169.2130	3.6300e-003		169.3038
Total	0.0682	0.0442	0.4925	1.7000e-003	0.2274	1.2300e-003	0.2286	0.0603	1.1400e-003	0.0614		169.2130	169.2130	3.6300e-003		169.3038

3.4 Grading - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648		7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147		7,975.8190	7,975.8190	2.5795		8,040.3076

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0538	0.5995	2.0700e-003	0.2768	1.5000e-003	0.2783	0.0734	1.3800e-003	0.0748		205.9984	205.9984	4.4200e-003		206.1089
Total	0.083	0.0538	0.5995	2.0700e-003	0.2768	1.50E-03	0.2783	0.0734	1.3800e-003	0.0748		205.9984	205.9984	4.4200e-003		206.1089

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0830	0.0538	0.5995	2.0700e-003	0.2768	1.5000e-003	0.2783	0.0734	1.3800e-003	0.0748		205.9984	205.9984	4.4200e-003		206.1089
Total	0.0830	0.0538	0.5995	2.0700e-003	0.2768	1.5000e-003	0.2783	0.0734	1.3800e-003	0.0748		205.9984	205.9984	4.4200e-003		206.1089

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0833	3.2072	0.8333	8.8200e-003	0.2138	3.9500e-003	0.2177	0.0616	3.7800e-003	0.0654		945.2058	945.2058	0.0494		946.4411
Worker	0.5869	0.3804	4.2394	0.0146	1.9575	0.0106	1.9681	0.5192	9.7800e-003	0.5289		1,456.7030	1,456.7030	0.0313		1,457.4845
Total	0.6702	3.5876	5.0728	0.0234	2.1712	0.0146	2.1858	0.5807	0.0136	0.5943		2,401.9089	2,401.9089	0.0807		2,403.9256

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0833	3.2072	0.8333	8.8200e-003	0.2138	3.9500e-003	0.2177	0.0616	3.7800e-003	0.0654		945.2058	945.2058	0.0494		946.4411
Worker	0.5869	0.3804	4.2394	0.0146	1.9575	0.0106	1.9681	0.5192	9.7800e-003	0.5289		1,456.7030	1,456.7030	0.0313		1,457.4845
Total	0.6702	3.5876	5.0728	0.0234	2.1712	0.0146	2.1858	0.5807	0.0136	0.5943		2,401.9089	2,401.9089	0.0807		2,403.9256

3.6 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0593	0.0384	0.4282	1.4800e-003	0.1977	1.0700e-003	0.1988	0.0524	9.9000e-004	0.0534		147.1417	147.1417	3.1600e-003		147.2207
Total	0.0593	0.0384	0.4282	1.4800e-003	0.1977	1.07E-03	0.1988	0.0524	9.9000e-004	0.0534		147.1417	147.1417	3.1600e-003		147.2207

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0593	0.0384	0.4282	1.4800e-003	0.1977	1.0700e-003	0.1988	0.0524	9.9000e-004	0.0534		147.1417	147.1417	3.1600e-003		147.2207
Total	0.0593	0.0384	0.4282	1.4800e-003	0.1977	1.0700e-003	0.1988	0.0524	9.9000e-004	0.0534		147.1417	147.1417	3.1600e-003		147.2207

3.7 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1186	0.0769	0.8565	2.9500e-003	0.3955	2.1500e-003	0.3976	0.1049	1.9800e-003	0.1069		294.2834	294.2834	6.3100e-003		294.4413
Total	0.1186	0.0769	0.8565	2.9500e-003	0.3955	2.15E-03	0.3976	0.1049	1.9800e-003	0.1069		294.2834	294.2834	6.3100e-003		294.4413

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1186	0.0769	0.8565	2.9500e-003	0.3955	2.1500e-003	0.3976	0.1049	1.9800e-003	0.1069		294.2834	294.2834	6.3100e-003		294.4413
Total	0.1186	0.0769	0.8565	2.9500e-003	0.3955	2.1500e-003	0.3976	0.1049	1.9800e-003	0.1069		294.2834	294.2834	6.3100e-003		294.4413

Cal Poly MP Construction 2027 - San Luis Obispo County, Annual

Cal Poly MP Construction 2027

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2028	12/31/2027
tblConstructionPhase	PhaseEndDate	5/18/2028	11/26/2027
tblConstructionPhase	PhaseEndDate	1/28/2027	1/19/2027
tblConstructionPhase	PhaseEndDate	3/25/2027	2/25/2027
tblConstructionPhase	PhaseEndDate	6/15/2028	12/15/2027
tblConstructionPhase	PhaseEndDate	2/11/2027	1/28/2027
tblConstructionPhase	PhaseStartDate	6/16/2028	12/15/2027
tblConstructionPhase	PhaseStartDate	3/26/2027	2/26/2027
tblConstructionPhase	PhaseStartDate	2/12/2027	1/29/2027

tblConstructionPhase	PhaseStartDate	5/19/2028	11/27/2027
tblConstructionPhase	PhaseStartDate	1/29/2027	1/20/2027
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	2.1900	2.8152	3.2327	7.4100e-003	0.4769	0.1063	0.5832	0.1773	0.0990	0.2763	0.0000	657.7378	657.7378	0.1297	0.0000	660.9800

Maximum	2.19	2.8152	3.2327	7.4100e-003	0.4769	0.1063	0.5832	0.1773	0.0990	0.2763	0.0000	657.7378	657.7378	0.1297	0.0000	660.98

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	2.1900	2.8152	3.2327	7.4100e-003	0.4769	0.1063	0.5832	0.1773	0.0990	0.2763	0.0000	657.7373	657.7373	0.1297	0.0000	660.9795
Maximum	2.1900	2.8152	3.2327	7.4100e-003	0.4769	0.1063	0.5832	0.1773	0.0990	0.2763	0.0000	657.7373	657.7373	0.1297	0.0000	660.9795

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2027	3-31-2027	1.0510	1.0510
2	4-1-2027	6-30-2027	0.7541	0.7541
3	7-1-2027	9-30-2027	0.7624	0.7624
		Highest	1.0510	1.0510

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2027	1/19/2027	5	13	

2	Site Preparation	Site Preparation	1/20/2027	1/28/2027	5	7
3	Grading	Grading	1/29/2027	2/25/2027	5	20
4	Building Construction	Building Construction	2/26/2027	11/26/2027	5	196
5	Paving	Paving	11/27/2027	12/15/2027	5	13
6	Architectural Coating	Architectural Coating	12/15/2027	12/31/2027	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0113	3.8100e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.9213	4.9213	3.2000e-004	0.0000	4.9292
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.5000e-004	2.4800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8050	0.8050	2.0000e-005	0.0000	0.8054
Total	7.1000e-004	0.0116	6.2900e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4600e-003	6.5000e-004	3.0000e-005	6.9000e-004	0.0000	5.7263	5.7263	3.4000e-004	0.0000	5.7346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.3000e-004	0.0113	3.8100e-003	5.0000e-005	1.1800e-003	3.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.9213	4.9213	3.2000e-004	0.0000	4.9292
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.5000e-004	2.4800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8050	0.8050	2.0000e-005	0.0000	0.8054
Total	7.1000e-004	0.0116	6.2900e-003	6.0000e-005	2.4300e-003	4.0000e-005	2.4600e-003	6.5000e-004	3.0000e-005	6.9000e-004	0.0000	5.7263	5.7263	3.4000e-004	0.0000	5.7346

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.5300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4985	0.4985	1.0000e-005	0.0000	0.4987
Total	2.3000e-004	1.6000e-004	1.5300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4985	0.4985	1.0000e-005	0.0000	0.4987

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.5300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4985	0.4985	1.0000e-005	0.0000	0.4987
Total	2.3000e-004	1.6000e-004	1.5300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4985	0.4985	1.0000e-005	0.0000	0.4987

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	5.4000e-004	5.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7339	1.7339	3.0000e-005	0.0000	1.7348
Total	8.1000e-004	5.4000e-004	5.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7339	1.7339	3.0000e-005	0.0000	1.7348

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	5.4000e-004	5.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7339	1.7339	3.0000e-005	0.0000	1.7348
Total	8.1000e-004	5.4000e-004	5.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.7339	1.7339	3.0000e-005	0.0000	1.7348

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0700e-003	0.3098	0.0832	8.5000e-004	0.0205	3.7000e-004	0.0209	5.9300e-003	3.5000e-004	6.2800e-003	0.0000	82.5359	82.5359	4.5400e-003	0.0000	82.6493
Worker	0.0561	0.0377	0.3698	1.3300e-003	0.1868	9.8000e-004	0.1878	0.0496	9.0000e-004	0.0506	0.0000	120.1585	120.1585	2.4200e-003	0.0000	120.2189
Total	0.0642	0.3475	0.4530	2.1800e-003	0.2073	1.3500e-003	0.2087	0.0556	1.2500e-003	0.0568	0.0000	202.6944	202.6944	6.9600e-003	0.0000	202.8682

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.0700e-003	0.3098	0.0832	8.5000e-004	0.0205	3.7000e-004	0.0209	5.9300e-003	3.5000e-004	6.2800e-003	0.0000	82.5359	82.5359	4.5400e-003	0.0000	82.6493
Worker	0.0561	0.0377	0.3698	1.3300e-003	0.1868	9.8000e-004	0.1878	0.0496	9.0000e-004	0.0506	0.0000	120.1585	120.1585	2.4200e-003	0.0000	120.2189
Total	0.0642	0.3475	0.4530	2.1800e-003	0.2073	1.3500e-003	0.2087	0.0556	1.2500e-003	0.0568	0.0000	202.6944	202.6944	6.9600e-003	0.0000	202.8682

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.5000e-004	2.4800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8050	0.8050	2.0000e-005	0.0000	0.8054
Total	3.8000e-004	2.5000e-004	2.4800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8050	0.8050	2.0000e-005	0.0000	0.8054

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	2.5000e-004	2.4800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8050	0.8050	2.0000e-005	0.0000	0.8054
Total	3.8000e-004	2.5000e-004	2.4800e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.8050	0.8050	2.0000e-005	0.0000	0.8054

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.8637	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.1000e-004	4.9500e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.6100	1.6100	3.0000e-005	0.0000	1.6109
Total	7.5000e-004	5.1000e-004	4.9500e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.6100	1.6100	3.0000e-005	0.0000	1.6109

Cal Poly MP Construction 2027 - San Luis Obispo County, Summer

Cal Poly MP Construction 2027

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2028
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2028	12/31/2027
tblConstructionPhase	PhaseEndDate	5/18/2028	11/26/2027
tblConstructionPhase	PhaseEndDate	1/28/2027	1/19/2027
tblConstructionPhase	PhaseEndDate	3/25/2027	2/25/2027
tblConstructionPhase	PhaseEndDate	6/15/2028	12/15/2027
tblConstructionPhase	PhaseEndDate	2/11/2027	1/28/2027
tblConstructionPhase	PhaseStartDate	6/16/2028	12/15/2027
tblConstructionPhase	PhaseStartDate	3/26/2027	2/26/2027
tblConstructionPhase	PhaseStartDate	2/12/2027	1/29/2027

tblConstructionPhase	PhaseStartDate	5/19/2028	11/27/2027
tblConstructionPhase	PhaseStartDate	1/29/2027	1/20/2027
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	288.1289	39.3013	34.7388	0.0844	24.3157	1.5936	25.7479	13.3012	1.4661	14.6188	0.0000	8,174.7084	8,174.7084	2.5835	0.0000	8,239.2968

Maximum	288.1289	39.3013	34.7388	0.0844	24.3157	1.5936	25.7479	13.3012	1.4661	14.6188	0.0000	8,174.7084	8,174.7084	2.5835	0.0000	8,239.2968

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	288.1289	39.3013	34.7388	0.0844	24.3157	1.5936	25.7479	13.3012	1.4661	14.6188	0.0000	8,174.7084	8,174.7084	2.5835	0.0000	8,239.2968
Maximum	288.1289	39.3013	34.7388	0.0844	24.3157	1.5936	25.7479	13.3012	1.4661	14.6188	0.0000	8,174.7084	8,174.7084	2.5835	0.0000	8,239.2968

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2027	1/19/2027	5	13	
2	Site Preparation	Site Preparation	1/20/2027	1/28/2027	5	7	
3	Grading	Grading	1/29/2027	2/25/2027	5	20	
4	Building Construction	Building Construction	2/26/2027	11/26/2027	5	196	
5	Paving	Paving	11/27/2027	12/15/2027	5	13	
6	Architectural Coating	Architectural Coating	12/15/2027	12/31/2027	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140		5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730		5,074.8975	5,074.8975	1.4757		5,111.7905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0508	1.7172	0.5743	7.7000e-003	0.1857	3.9000e-003	0.1896	0.0509	3.7300e-003	0.0546		840.1885	840.1885	0.0532		841.5173
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0350	0.3975	1.4200e-003	0.1977	1.0100e-003	0.1987	0.0524	9.3000e-004	0.0534		142.0638	142.0638	2.8500e-003		142.1352
Total	0.1069	1.7521	0.9718	9.1200e-003	0.3834	4.91E-03	0.3883	0.1034	4.6600e-003	0.1080		982.2523	982.2523	0.0560		983.6525

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0508	1.7172	0.5743	7.7000e-003	0.1857	3.9000e-003	0.1896	0.0509	3.7300e-003	0.0546		840.1885	840.1885	0.0532		841.5173
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0350	0.3975	1.4200e-003	0.1977	1.0100e-003	0.1987	0.0524	9.3000e-004	0.0534		142.0638	142.0638	2.8500e-003		142.1352
Total	0.1069	1.7521	0.9718	9.1200e-003	0.3834	4.9100e-003	0.3883	0.1034	4.6600e-003	0.1080		982.2523	982.2523	0.0560		983.6525

3.3 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165		4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.431	25.5194	13.2409	1.3165	14.5575		4,818.1197	4,818.1197	1.5583		4,857.0766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0645	0.0402	0.4572	1.6400e-003	0.2274	1.1600e-003	0.2286	0.0603	1.0700e-003	0.0614		163.3734	163.3734	3.2800e-003		163.4554
Total	0.0645	0.0402	0.4572	1.6400e-003	0.2274	1.16E-03	0.2286	0.0603	1.0700e-003	0.0614		163.3734	163.3734	3.2800e-003		163.4554

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.4310	25.5194	13.2409	1.3165	14.5575	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0645	0.0402	0.4572	1.6400e-003	0.2274	1.1600e-003	0.2286	0.0603	1.0700e-003	0.0614		163.3734	163.3734	3.2800e-003		163.4554
Total	0.0645	0.0402	0.4572	1.6400e-003	0.2274	1.1600e-003	0.2286	0.0603	1.0700e-003	0.0614		163.3734	163.3734	3.2800e-003		163.4554

3.4 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648		7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147		7,975.8190	7,975.8190	2.5795		8,040.3076

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0786	0.0489	0.5566	1.9900e-003	0.2768	1.4200e-003	0.2782	0.0734	1.3100e-003	0.0747		198.8893	198.8893	4.0000e-003		198.9892
Total	0.0786	0.0489	0.5566	1.9900e-003	0.2768	1.42E-03	0.2782	0.0734	1.3100e-003	0.0747		198.8893	198.8893	4.0000e-003		198.9892

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0786	0.0489	0.5566	1.9900e-003	0.2768	1.4200e-003	0.2782	0.0734	1.3100e-003	0.0747		198.8893	198.8893	4.0000e-003		198.9892
Total	0.0786	0.0489	0.5566	1.9900e-003	0.2768	1.4200e-003	0.2782	0.0734	1.3100e-003	0.0747		198.8893	198.8893	4.0000e-003		198.9892

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0800	3.1509	0.7970	8.7800e-003	0.2138	3.7100e-003	0.2175	0.0616	3.5400e-003	0.0651		940.9769	940.9769	0.0495		942.2153
Worker	0.5555	0.3461	3.9356	0.0141	1.9575	0.0100	1.9675	0.5192	9.2300e-003	0.5284		1,406.4316	1,406.4316	0.0283		1,407.1381
Total	0.6355	3.4969	4.7326	0.0229	2.1712	0.0137	2.1850	0.5808	0.0128	0.5935		2,347.4086	2,347.4086	0.0778		2,349.3534

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0800	3.1509	0.7970	8.7800e-003	0.2138	3.7100e-003	0.2175	0.0616	3.5400e-003	0.0651		940.9769	940.9769	0.0495		942.2153
Worker	0.5555	0.3461	3.9356	0.0141	1.9575	0.0100	1.9675	0.5192	9.2300e-003	0.5284		1,406.4316	1,406.4316	0.0283		1,407.1381
Total	0.6355	3.4969	4.7326	0.0229	2.1712	0.0137	2.1850	0.5808	0.0128	0.5935		2,347.4086	2,347.4086	0.0778		2,349.3534

3.6 Paving - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0350	0.3975	1.4200e-003	0.1977	1.0100e-003	0.1987	0.0524	9.3000e-004	0.0534		142.0638	142.0638	2.8500e-003		142.1352
Total	0.0561	0.035	0.3975	1.4200e-003	0.1977	1.01E-03	0.1987	0.0524	9.3000e-004	0.0534		142.0638	142.0638	2.8500e-003		142.1352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0350	0.3975	1.4200e-003	0.1977	1.0100e-003	0.1987	0.0524	9.3000e-004	0.0534		142.0638	142.0638	2.8500e-003		142.1352
Total	0.0561	0.0350	0.3975	1.4200e-003	0.1977	1.0100e-003	0.1987	0.0524	9.3000e-004	0.0534		142.0638	142.0638	2.8500e-003		142.1352

3.7 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1122	0.0699	0.7951	2.8500e-003	0.3955	2.0300e-003	0.3975	0.1049	1.8600e-003	0.1067		284.1276	284.1276	5.7100e-003		284.2703
Total	0.1122	0.0699	0.7951	2.8500e-003	0.3955	2.03E-03	0.3975	0.1049	1.8600e-003	0.1067		284.1276	284.1276	5.7100e-003		284.2703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1122	0.0699	0.7951	2.8500e-003	0.3955	2.0300e-003	0.3975	0.1049	1.8600e-003	0.1067		284.1276	284.1276	5.7100e-003		284.2703
Total	0.1122	0.0699	0.7951	2.8500e-003	0.3955	2.0300e-003	0.3975	0.1049	1.8600e-003	0.1067		284.1276	284.1276	5.7100e-003		284.2703

Cal Poly MP Construction 2028 - San Luis Obispo County, Annual

Cal Poly MP Construction 2028

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

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Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2029	12/29/2028
tblConstructionPhase	PhaseEndDate	5/18/2029	11/24/2028
tblConstructionPhase	PhaseEndDate	1/28/2028	1/19/2028
tblConstructionPhase	PhaseEndDate	3/24/2028	2/25/2028
tblConstructionPhase	PhaseEndDate	6/15/2029	12/13/2028
tblConstructionPhase	PhaseEndDate	2/11/2028	1/28/2028
tblConstructionPhase	PhaseStartDate	6/16/2029	12/13/2028
tblConstructionPhase	PhaseStartDate	3/25/2028	2/26/2028
tblConstructionPhase	PhaseStartDate	2/12/2028	1/29/2028

tblConstructionPhase	PhaseStartDate	5/19/2029	11/25/2028
tblConstructionPhase	PhaseStartDate	1/29/2028	1/20/2028
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	2.1851	2.7961	3.1913	7.3300e-003	0.4758	0.1058	0.5817	0.1770	0.0985	0.2756	0.0000	650.8339	650.8339	0.1290	0.0000	654.0597

Maximum	2.1851	2.7961	3.1913	7.3300e-003	0.4758	0.1058	0.5817	0.1770	0.0985	0.2756	0.0000	650.8339	650.8339	0.1290	0.0000	654.0597

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2028	2.1851	2.7961	3.1913	7.3300e-003	0.4758	0.1058	0.5817	0.1770	0.0985	0.2756	0.0000	650.8333	650.8333	0.1290	0.0000	654.0592
Maximum	2.1851	2.7961	3.1913	7.3300e-003	0.4758	0.1058	0.5817	0.1770	0.0985	0.2756	0.0000	650.8333	650.8333	0.1290	0.0000	654.0592

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2028	3-31-2028	1.0572	1.0572
2	4-1-2028	6-30-2028	0.7504	0.7504
3	7-1-2028	9-30-2028	0.7587	0.7587
		Highest	1.0572	1.0572

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/19/2028	5	13	

2	Site Preparation	Site Preparation	1/20/2028	1/28/2028	5	7
3	Grading	Grading	1/29/2028	2/25/2028	5	20
4	Building Construction	Building Construction	2/26/2028	11/24/2028	5	195
5	Paving	Paving	11/25/2028	12/13/2028	5	13
6	Architectural Coating	Architectural Coating	12/13/2028	12/29/2028	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.3000e-004	0.0110	3.8000e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.8986	4.8986	3.2000e-004	0.0000	4.9067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.3100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7795	0.7795	1.0000e-005	0.0000	0.7799
Total	6.8000e-004	0.0112	6.1100e-003	6.0000e-005	2.4300e-003	3.0000e-005	2.4600e-003	6.5000e-004	3.0000e-005	6.9000e-004	0.0000	5.6782	5.6782	3.3000e-004	0.0000	5.6865

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.3000e-004	0.0110	3.8000e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.8986	4.8986	3.2000e-004	0.0000	4.9067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.3100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7795	0.7795	1.0000e-005	0.0000	0.7799
Total	6.8000e-004	0.0112	6.1100e-003	6.0000e-005	2.4300e-003	3.0000e-005	2.4600e-003	6.5000e-004	3.0000e-005	6.9000e-004	0.0000	5.6782	5.6782	3.3000e-004	0.0000	5.6865

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.4000e-004	1.4300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4827	0.4827	1.0000e-005	0.0000	0.4829
Total	2.2000e-004	1.4000e-004	1.4300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4827	0.4827	1.0000e-005	0.0000	0.4829

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.4000e-004	1.4300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4827	0.4827	1.0000e-005	0.0000	0.4829
Total	2.2000e-004	1.4000e-004	1.4300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4827	0.4827	1.0000e-005	0.0000	0.4829

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.0000e-004	4.9800e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6790	1.6790	3.0000e-005	0.0000	1.6798
Total	7.6000e-004	5.0000e-004	4.9800e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6790	1.6790	3.0000e-005	0.0000	1.6798

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.0000e-004	4.9800e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6790	1.6790	3.0000e-005	0.0000	1.6798
Total	7.6000e-004	5.0000e-004	4.9800e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6790	1.6790	3.0000e-005	0.0000	1.6798

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1798	1.6798	2.0172	3.5400e-003		0.0718	0.0718		0.0671	0.0671	0.0000	305.8422	305.8422	0.0789	0.0000	307.8156
Total	0.1798	1.6798	2.0172	3.5400e-003		0.0718	0.0718		0.0671	0.0671	0.0000	305.8422	305.8422	0.0789	0.0000	307.8156

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7500e-003	0.3033	0.0801	8.4000e-004	0.0204	3.5000e-004	0.0208	5.9000e-003	3.3000e-004	6.2300e-003	0.0000	81.7963	81.7963	4.5200e-003	0.0000	81.9093
Worker	0.0525	0.0343	0.3430	1.2800e-003	0.1859	9.1000e-004	0.1868	0.0494	8.4000e-004	0.0502	0.0000	115.7580	115.7580	2.1900e-003	0.0000	115.8127
Total	0.0603	0.3376	0.4231	2.1200e-003	0.2063	1.2600e-003	0.2075	0.0553	1.1700e-003	0.0565	0.0000	197.5543	197.5543	6.7100e-003	0.0000	197.7220

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1798	1.6798	2.0172	3.5400e-003		0.0718	0.0718		0.0671	0.0671	0.0000	305.8418	305.8418	0.0789	0.0000	307.8152
Total	0.1798	1.6798	2.0172	3.5400e-003		0.0718	0.0718		0.0671	0.0671	0.0000	305.8418	305.8418	0.0789	0.0000	307.8152

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7500e-003	0.3033	0.0801	8.4000e-004	0.0204	3.5000e-004	0.0208	5.9000e-003	3.3000e-004	6.2300e-003	0.0000	81.7963	81.7963	4.5200e-003	0.0000	81.9093
Worker	0.0525	0.0343	0.3430	1.2800e-003	0.1859	9.1000e-004	0.1868	0.0494	8.4000e-004	0.0502	0.0000	115.7580	115.7580	2.1900e-003	0.0000	115.8127
Total	0.0603	0.3376	0.4231	2.1200e-003	0.2063	1.2600e-003	0.2075	0.0553	1.1700e-003	0.0565	0.0000	197.5543	197.5543	6.7100e-003	0.0000	197.7220

3.6 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.3100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7795	0.7795	1.0000e-005	0.0000	0.7799
Total	3.5000e-004	2.3000e-004	2.3100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7795	0.7795	1.0000e-005	0.0000	0.7799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.3000e-004	2.3100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7795	0.7795	1.0000e-005	0.0000	0.7799
Total	3.5000e-004	2.3000e-004	2.3100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7795	0.7795	1.0000e-005	0.0000	0.7799

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.8637	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.6000e-004	4.6200e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.5590	1.5590	3.0000e-005	0.0000	1.5598
Total	7.1000e-004	4.6000e-004	4.6200e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5200e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.5590	1.5590	3.0000e-005	0.0000	1.5598

Cal Poly MP Construction 2028 - San Luis Obispo County, Summer

Cal Poly MP Construction 2028

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2029
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

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Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2029	12/29/2028
tblConstructionPhase	PhaseEndDate	5/18/2029	11/24/2028
tblConstructionPhase	PhaseEndDate	1/28/2028	1/19/2028
tblConstructionPhase	PhaseEndDate	3/24/2028	2/25/2028
tblConstructionPhase	PhaseEndDate	6/15/2029	12/13/2028
tblConstructionPhase	PhaseEndDate	2/11/2028	1/28/2028
tblConstructionPhase	PhaseStartDate	6/16/2029	12/13/2028
tblConstructionPhase	PhaseStartDate	3/25/2028	2/26/2028
tblConstructionPhase	PhaseStartDate	2/12/2028	1/29/2028

tblConstructionPhase	PhaseStartDate	5/19/2029	11/25/2028
tblConstructionPhase	PhaseStartDate	1/29/2028	1/20/2028
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	288.1189	39.2970	34.7018	0.0843	24.3157	1.5935	25.7478	13.3012	1.4660	14.6188	0.0000	8,168.4131	8,168.4131	2.5832	0.0000	8,232.9926

Maximum	288.1189	39.2970	34.7018	0.0843	24.3157	1.5935	25.7478	13.3012	1.4660	14.6188	0.0000	8,168.4131	8,168.4131	2.5832	0.0000	8,232.9926

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2028	288.1189	39.2970	34.7018	0.0843	24.3157	1.5935	25.7478	13.3012	1.4660	14.6188	0.0000	8,168.4131	8,168.4131	2.5832	0.0000	8,232.9926
Maximum	288.1189	39.2970	34.7018	0.0843	24.3157	1.5935	25.7478	13.3012	1.4660	14.6188	0.0000	8,168.4131	8,168.4131	2.5832	0.0000	8,232.9926

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2028	1/19/2028	5	13	
2	Site Preparation	Site Preparation	1/20/2028	1/28/2028	5	7	
3	Grading	Grading	1/29/2028	2/25/2028	5	20	
4	Building Construction	Building Construction	2/26/2028	11/24/2028	5	195	
5	Paving	Paving	11/25/2028	12/13/2028	5	13	
6	Architectural Coating	Architectural Coating	12/13/2028	12/29/2028	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140		5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730		5,074.8975	5,074.8975	1.4757		5,111.7905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0499	1.6633	0.5729	7.6600e-003	0.1857	3.6800e-003	0.1894	0.0509	3.5200e-003	0.0545		836.3253	836.3253	0.0538		837.6708
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0319	0.3711	1.3800e-003	0.1977	9.4000e-004	0.1987	0.0524	8.7000e-004	0.0533		137.5672	137.5672	2.6000e-003		137.6321
Total	0.1027	1.6952	0.9440	9.0400e-003	0.3835	4.62E-03	0.3881	0.1034	4.3900e-003	0.1078		973.8925	973.8925	0.0564		975.3030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0499	1.6633	0.5729	7.6600e-003	0.1857	3.6800e-003	0.1894	0.0509	3.5200e-003	0.0545		836.3253	836.3253	0.0538		837.6708
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0319	0.3711	1.3800e-003	0.1977	9.4000e-004	0.1987	0.0524	8.7000e-004	0.0533		137.5672	137.5672	2.6000e-003		137.6321
Total	0.1027	1.6952	0.9440	9.0400e-003	0.3835	4.6200e-003	0.3881	0.1034	4.3900e-003	0.1078		973.8925	973.8925	0.0564		975.3030

3.3 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165		4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.431	25.5194	13.2409	1.3165	14.5575		4,818.1197	4,818.1197	1.5583		4,857.0766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0367	0.4268	1.5900e-003	0.2274	1.0800e-003	0.2285	0.0603	1.0000e-003	0.0613		158.2022	158.2022	2.9900e-003		158.2770
Total	0.0607	0.0367	0.4268	1.5900e-003	0.2274	1.08E-03	0.2285	0.0603	1.0000e-003	0.0613		158.2022	158.2022	2.9900e-003		158.2770

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.4310	25.5194	13.2409	1.3165	14.5575	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0607	0.0367	0.4268	1.5900e-003	0.2274	1.0800e-003	0.2285	0.0603	1.0000e-003	0.0613		158.2022	158.2022	2.9900e-003		158.2770
Total	0.0607	0.0367	0.4268	1.5900e-003	0.2274	1.0800e-003	0.2285	0.0603	1.0000e-003	0.0613		158.2022	158.2022	2.9900e-003		158.2770

3.4 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000

Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648		7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147		7,975.8190	7,975.8190	2.5795		8,040.3076

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0739	0.0447	0.5195	1.9300e-003	0.2768	1.3200e-003	0.2781	0.0734	1.2100e-003	0.0746		192.5940	192.5940	3.6400e-003		192.6850
Total	0.0739	0.0447	0.5195	1.9300e-003	0.2768	1.32E-03	0.2781	0.0734	1.2100e-003	0.0746		192.5940	192.5940	3.6400e-003		192.6850

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0739	0.0447	0.5195	1.9300e-003	0.2768	1.3200e-003	0.2781	0.0734	1.2100e-003	0.0746		192.5940	192.5940	3.6400e-003		192.6850
Total	0.0739	0.0447	0.5195	1.9300e-003	0.2768	1.3200e-003	0.2781	0.0734	1.2100e-003	0.0746		192.5940	192.5940	3.6400e-003		192.6850

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	3.1017	0.7710	8.7400e-003	0.2138	3.5000e-003	0.2173	0.0616	3.3400e-003	0.0649		937.3266	937.3266	0.0496		938.5673
Worker	0.5226	0.3158	3.6738	0.0137	1.9575	9.3100e-003	1.9668	0.5192	8.5700e-003	0.5277		1,361.9149	1,361.9149	0.0257		1,362.5582
Total	0.5999	3.4175	4.4447	0.0224	2.1713	0.0128	2.1841	0.5808	0.0119	0.5927		2,299.2414	2,299.2414	0.0754		2,301.1255

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0773	3.1017	0.7710	8.7400e-003	0.2138	3.5000e-003	0.2173	0.0616	3.3400e-003	0.0649		937.3266	937.3266	0.0496		938.5673
Worker	0.5226	0.3158	3.6738	0.0137	1.9575	9.3100e-003	1.9668	0.5192	8.5700e-003	0.5277		1,361.9149	1,361.9149	0.0257		1,362.5582
Total	0.5999	3.4175	4.4447	0.0224	2.1713	0.0128	2.1841	0.5808	0.0119	0.5927		2,299.2414	2,299.2414	0.0754		2,301.1255

3.6 Paving - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0319	0.3711	1.3800e-003	0.1977	9.4000e-004	0.1987	0.0524	8.7000e-004	0.0533		137.5672	137.5672	2.6000e-003		137.6321
Total	0.0528	0.0319	0.3711	1.3800e-003	0.1977	9.40E-04	0.1987	0.0524	8.7000e-004	0.0533		137.5672	137.5672	2.6000e-003		137.6321

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0319	0.3711	1.3800e-003	0.1977	9.4000e-004	0.1987	0.0524	8.7000e-004	0.0533		137.5672	137.5672	2.6000e-003		137.6321
Total	0.0528	0.0319	0.3711	1.3800e-003	0.1977	9.4000e-004	0.1987	0.0524	8.7000e-004	0.0533		137.5672	137.5672	2.6000e-003		137.6321

3.7 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1056	0.0638	0.7422	2.7600e-003	0.3955	1.8800e-003	0.3973	0.1049	1.7300e-003	0.1066		275.1343	275.1343	5.2000e-003		275.2643
Total	0.1056	0.0638	0.7422	2.7600e-003	0.3955	1.88E-03	0.3973	0.1049	1.7300e-003	0.1066		275.1343	275.1343	5.2000e-003		275.2643

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1056	0.0638	0.7422	2.7600e-003	0.3955	1.8800e-003	0.3973	0.1049	1.7300e-003	0.1066		275.1343	275.1343	5.2000e-003		275.2643
Total	0.1056	0.0638	0.7422	2.7600e-003	0.3955	1.8800e-003	0.3973	0.1049	1.7300e-003	0.1066		275.1343	275.1343	5.2000e-003		275.2643

Cal Poly MP Construction 2029 - San Luis Obispo County, Annual

Cal Poly MP Construction 2029

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/12/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	5/17/2030	11/26/2029
tblConstructionPhase	PhaseEndDate	1/26/2029	1/17/2029
tblConstructionPhase	PhaseEndDate	3/23/2029	2/23/2029
tblConstructionPhase	PhaseEndDate	6/14/2030	12/13/2029
tblConstructionPhase	PhaseEndDate	2/9/2029	1/26/2029
tblConstructionPhase	PhaseStartDate	6/15/2030	12/13/2029
tblConstructionPhase	PhaseStartDate	3/24/2029	2/24/2029
tblConstructionPhase	PhaseStartDate	2/10/2029	1/27/2029

tblConstructionPhase	PhaseStartDate	5/18/2030	11/27/2029
tblConstructionPhase	PhaseStartDate	1/27/2029	1/18/2029
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	2.1824	2.7981	3.1765	7.3100e-003	0.4769	0.1061	0.5830	0.1773	0.0988	0.2761	0.0000	649.5587	649.5587	0.1293	0.0000	652.7902

Maximum	2.1824	2.7981	3.1765	7.3100e-003	0.4769	0.1061	0.5830	0.1773	0.0988	0.2761	0.0000	649.5587	649.5587	0.1293	0.0000	652.7902

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	2.1824	2.7981	3.1765	7.3100e-003	0.4769	0.1061	0.5830	0.1773	0.0988	0.2761	0.0000	649.5581	649.5581	0.1293	0.0000	652.7897
Maximum	2.1824	2.7981	3.1765	7.3100e-003	0.4769	0.1061	0.5830	0.1773	0.0988	0.2761	0.0000	649.5581	649.5581	0.1293	0.0000	652.7897

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2029	3-31-2029	1.0407	1.0407
2	4-1-2029	6-30-2029	0.7467	0.7467
3	7-1-2029	9-30-2029	0.7549	0.7549
		Highest	1.0407	1.0407

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2029	1/17/2029	5	13	

2	Site Preparation	Site Preparation	1/18/2029	1/26/2029	5	7
3	Grading	Grading	1/27/2029	2/23/2029	5	20
4	Building Construction	Building Construction	2/24/2029	11/26/2029	5	196
5	Paving	Paving	11/27/2029	12/13/2029	5	13
6	Architectural Coating	Architectural Coating	12/13/2029	12/31/2029	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9252	29.9252	8.7000e-003	0.0000	30.1427

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0106	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.8766	4.8766	3.2000e-004	0.0000	4.8847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.1000e-004	2.1500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7570	0.7570	1.0000e-005	0.0000	0.7573
Total	6.5000e-004	0.0108	5.9400e-003	6.0000e-005	2.4300e-003	3.0000e-005	2.4600e-003	6.5000e-004	3.0000e-005	6.9000e-004	0.0000	5.6335	5.6335	3.3000e-004	0.0000	5.6420

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0189	0.1758	0.1669	3.4000e-004		7.8200e-003	7.8200e-003		7.2400e-003	7.2400e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427
Total	0.0189	0.1758	0.1669	3.4000e-004	0.0154	7.8200e-003	0.0232	2.3300e-003	7.2400e-003	9.5700e-003	0.0000	29.9251	29.9251	8.7000e-003	0.0000	30.1427

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.2000e-004	0.0106	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.8766	4.8766	3.2000e-004	0.0000	4.8847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.1000e-004	2.1500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7570	0.7570	1.0000e-005	0.0000	0.7573
Total	6.5000e-004	0.0108	5.9400e-003	6.0000e-005	2.4300e-003	3.0000e-005	2.4600e-003	6.5000e-004	3.0000e-005	6.9000e-004	0.0000	5.6335	5.6335	3.3000e-004	0.0000	5.6420

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.3000e-004	1.3300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4687	0.4687	1.0000e-005	0.0000	0.4689
Total	2.0000e-004	1.3000e-004	1.3300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4687	0.4687	1.0000e-005	0.0000	0.4689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1162	0.0810	1.7000e-004		5.0100e-003	5.0100e-003		4.6100e-003	4.6100e-003	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219
Total	0.0114	0.1162	0.0810	1.7000e-004	0.0843	5.0100e-003	0.0893	0.0463	4.6100e-003	0.0510	0.0000	15.2982	15.2982	4.9500e-003	0.0000	15.4219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.3000e-004	1.3300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4687	0.4687	1.0000e-005	0.0000	0.4689
Total	2.0000e-004	1.3000e-004	1.3300e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4687	0.4687	1.0000e-005	0.0000	0.4689

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3554	72.3554	0.0234	0.0000	72.9404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.5000e-004	4.6300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6304	1.6304	3.0000e-005	0.0000	1.6311
Total	7.1000e-004	4.5000e-004	4.6300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6304	1.6304	3.0000e-005	0.0000	1.6311

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0403	0.3925	0.3418	8.2000e-004		0.0159	0.0159		0.0147	0.0147	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404
Total	0.0403	0.3925	0.3418	8.2000e-004	0.1602	0.0159	0.1761	0.0705	0.0147	0.0852	0.0000	72.3553	72.3553	0.0234	0.0000	72.9404

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	4.5000e-004	4.6300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6304	1.6304	3.0000e-005	0.0000	1.6311
Total	7.1000e-004	4.5000e-004	4.6300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.6304	1.6304	3.0000e-005	0.0000	1.6311

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4106	307.4106	0.0793	0.0000	309.3941

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5500e-003	0.3001	0.0782	8.4000e-004	0.0205	3.3000e-004	0.0208	5.9300e-003	3.1000e-004	6.2400e-003	0.0000	81.9015	81.9015	4.5500e-003	0.0000	82.0152
Worker	0.0493	0.0314	0.3208	1.2500e-003	0.1868	8.5000e-004	0.1877	0.0496	7.8000e-004	0.0504	0.0000	112.9841	112.9841	1.9900e-003	0.0000	113.0338
Total	0.0569	0.3314	0.3990	2.0900e-003	0.2073	1.1800e-003	0.2085	0.0556	1.0900e-003	0.0567	0.0000	194.8856	194.8856	6.5400e-003	0.0000	195.0490

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938
Total	0.1807	1.6884	2.0275	3.5500e-003		0.0722	0.0722		0.0675	0.0675	0.0000	307.4102	307.4102	0.0793	0.0000	309.3938

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.5500e-003	0.3001	0.0782	8.4000e-004	0.0205	3.3000e-004	0.0208	5.9300e-003	3.1000e-004	6.2400e-003	0.0000	81.9015	81.9015	4.5500e-003	0.0000	82.0152
Worker	0.0493	0.0314	0.3208	1.2500e-003	0.1868	8.5000e-004	0.1877	0.0496	7.8000e-004	0.0504	0.0000	112.9841	112.9841	1.9900e-003	0.0000	113.0338
Total	0.0569	0.3314	0.3990	2.0900e-003	0.2073	1.1800e-003	0.2085	0.0556	1.0900e-003	0.0567	0.0000	194.8856	194.8856	6.5400e-003	0.0000	195.0490

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0207	18.0207	5.8300e-003	0.0000	18.1664

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.1000e-004	2.1500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7570	0.7570	1.0000e-005	0.0000	0.7573
Total	3.3000e-004	2.1000e-004	2.1500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7570	0.7570	1.0000e-005	0.0000	0.7573

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0300e-003	0.0743	0.1301	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0206	18.0206	5.8300e-003	0.0000	18.1663

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.1000e-004	2.1500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7570	0.7570	1.0000e-005	0.0000	0.7573
Total	3.3000e-004	2.1000e-004	2.1500e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	0.7570	0.7570	1.0000e-005	0.0000	0.7573

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

Off-Road	1.1100e-003	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619
Total	1.8637	7.4500e-003	0.0118	2.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	1.6596	1.6596	9.0000e-005	0.0000	1.6619

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.2000e-004	4.3000e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.5139	1.5139	3.0000e-005	0.0000	1.5146
Total	6.6000e-004	4.2000e-004	4.3000e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.5139	1.5139	3.0000e-005	0.0000	1.5146

Cal Poly MP Construction 2029 - San Luis Obispo County, Summer

Cal Poly MP Construction 2029

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
General Heavy Industry	1.57	1000sqft	0.04	1,567.00	0
Unenclosed Parking with Elevator	58.00	Space	0.52	23,200.00	0
Health Club	1.33	1000sqft	0.03	1,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Apartments Mid Rise	42.00	Dwelling Unit	1.11	42,000.00	120
Congregate Care (Assisted Living)	9.00	Dwelling Unit	0.56	9,000.00	26
Retirement Community	13.00	Dwelling Unit	2.60	13,000.00	37
Convenience Market (24 Hour)	0.78	1000sqft	0.02	778.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

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Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/12/2030	12/31/2029
tblConstructionPhase	PhaseEndDate	5/17/2030	11/26/2029
tblConstructionPhase	PhaseEndDate	1/26/2029	1/17/2029
tblConstructionPhase	PhaseEndDate	3/23/2029	2/23/2029
tblConstructionPhase	PhaseEndDate	6/14/2030	12/13/2029
tblConstructionPhase	PhaseEndDate	2/9/2029	1/26/2029
tblConstructionPhase	PhaseStartDate	6/15/2030	12/13/2029
tblConstructionPhase	PhaseStartDate	3/24/2029	2/24/2029
tblConstructionPhase	PhaseStartDate	2/10/2029	1/27/2029

tblConstructionPhase	PhaseStartDate	5/18/2030	11/27/2029
tblConstructionPhase	PhaseStartDate	1/27/2029	1/18/2029
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblLandUse	LandUseSquareFeet	1,570.00	1,567.00
tblLandUse	LandUseSquareFeet	1,330.00	1,333.00
tblLandUse	LandUseSquareFeet	780.00	778.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	288.1083	39.2931	34.6664	0.0843	24.3157	1.5934	25.7478	13.3012	1.4659	14.6187	0.0000	8,162.8467	8,162.8467	2.5828	0.0000	8,227.4177

Maximum	288.1083	39.2931	34.6664	0.0843	24.3157	1.5934	25.7478	13.3012	1.4659	14.6187	0.0000	8,162.8467	8,162.8467	2.5828	0.0000	8,227.4177

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	288.1083	39.2931	34.6664	0.0843	24.3157	1.5934	25.7478	13.3012	1.4659	14.6187	0.0000	8,162.8467	8,162.8467	2.5828	0.0000	8,227.4177
Maximum	288.1083	39.2931	34.6664	0.0843	24.3157	1.5934	25.7478	13.3012	1.4659	14.6187	0.0000	8,162.8467	8,162.8467	2.5828	0.0000	8,227.4177

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.5412	0.1975	17.1330	9.1000e-004		0.0952	0.0952		0.0952	0.0952	0.0000	30.9378	30.9378	0.0295	0.0000	31.6763
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Total	7.5412	0.1975	17.1330	9.1000e-004	0.0000	0.0952	0.0952	0.0000	0.0952	0.0952	0.0000	30.9378	30.9378	0.0295	0.0000	31.6763

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.5412	0.1975	17.1330	9.1000e-004		0.0952	0.0952		0.0952	0.0952	0.0000	30.9378	30.9378	0.0295	0.0000	31.6763
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	7.5412	0.1975	17.1330	9.1000e-004	0.0000	0.0952	0.0952	0.0000	0.0952	0.0952	0.0000	30.9378	30.9378	0.0295	0.0000	31.6763

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2029	1/17/2029	5	13	
2	Site Preparation	Site Preparation	1/18/2029	1/26/2029	5	7	
3	Grading	Grading	1/27/2029	2/23/2029	5	20	
4	Building Construction	Building Construction	2/24/2029	11/26/2029	5	196	
5	Paving	Paving	11/27/2029	12/13/2029	5	13	
6	Architectural Coating	Architectural Coating	12/13/2029	12/31/2029	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.52

Residential Indoor: 421,200; Residential Outdoor: 140,400; Non-Residential Indoor: 180,017; Non-Residential Outdoor: 60,006; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	198.00	46.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	40.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140		5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730		5,074.8975	5,074.8975	1.4757		5,111.7905

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0490	1.6112	0.5716	7.6100e-003	0.1858	3.4700e-003	0.1892	0.0509	3.3200e-003	0.0543		832.5578	832.5578	0.0544		833.9176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0493	0.0291	0.3458	1.3400e-003	0.1977	8.7000e-004	0.1986	0.0524	8.0000e-004	0.0532		133.5912	133.5912	2.3500e-003		133.6501
Total	0.0983	1.6403	0.9174	8.9500e-003	0.3835	4.34E-03	0.3878	0.1034	4.1200e-003	0.1075		966.1490	966.1490	0.0568		967.5677

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.9078	27.0494	25.6755	0.0526		1.2028	1.2028		1.1140	1.1140	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905
Total	2.9078	27.0494	25.6755	0.0526	2.3709	1.2028	3.5737	0.3590	1.1140	1.4730	0.0000	5,074.8975	5,074.8975	1.4757		5,111.7905

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0490	1.6112	0.5716	7.6100e-003	0.1858	3.4700e-003	0.1892	0.0509	3.3200e-003	0.0543		832.5578	832.5578	0.0544		833.9176
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0291	0.3458	1.3400e-003	0.1977	8.7000e-004	0.1986	0.0524	8.0000e-004	0.0532		133.5912	133.5912	2.3500e-003		133.6501
Total	0.0983	1.6403	0.9174	8.9500e-003	0.3835	4.3400e-003	0.3878	0.1034	4.1200e-003	0.1075		966.1490	966.1490	0.0568		967.5677

3.3 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165		4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.431	25.5194	13.2409	1.3165	14.5575		4,818.1197	4,818.1197	1.5583		4,857.0766

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0334	0.3976	1.5400e-003	0.2274	1.0000e-003	0.2284	0.0603	9.2000e-004	0.0612		153.6299	153.6299	2.7100e-003		153.6976
Total	0.0567	0.0334	0.3976	1.5400e-003	0.2274	1.00E-03	0.2284	0.0603	9.2000e-004	0.0612		153.6299	153.6299	2.7100e-003		153.6976

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.2529	33.2001	23.1392	0.0498		1.4310	1.4310		1.3165	1.3165	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766
Total	3.2529	33.2001	23.1392	0.0498	24.0883	1.4310	25.5194	13.2409	1.3165	14.5575	0.0000	4,818.1197	4,818.1197	1.5583		4,857.0766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0334	0.3976	1.5400e-003	0.2274	1.0000e-003	0.2284	0.0603	9.2000e-004	0.0612		153.6299	153.6299	2.7100e-003		153.6976
Total	0.0567	0.0334	0.3976	1.5400e-003	0.2274	1.0000e-003	0.2284	0.0603	9.2000e-004	0.0612		153.6299	153.6299	2.7100e-003		153.6976

3.4 Grading - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648		7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147		7,975.8190	7,975.8190	2.5795		8,040.3076

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0407	0.4841	1.8700e-003	0.2768	1.2200e-003	0.2780	0.0734	1.1200e-003	0.0745		187.0277	187.0277	3.3000e-003		187.1101
Total	0.069	0.0407	0.4841	1.8700e-003	0.2768	1.22E-03	0.2780	0.0734	1.1200e-003	0.0745		187.0277	187.0277	3.3000e-003		187.1101

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.0275	39.2524	34.1823	0.0824		1.5922	1.5922		1.4648	1.4648	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076
Total	4.0275	39.2524	34.1823	0.0824	16.0211	1.5922	17.6132	7.0499	1.4648	8.5147	0.0000	7,975.8190	7,975.8190	2.5795		8,040.3076

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0407	0.4841	1.8700e-003	0.2768	1.2200e-003	0.2780	0.0734	1.1200e-003	0.0745		187.0277	187.0277	3.3000e-003		187.1101
Total	0.0690	0.0407	0.4841	1.8700e-003	0.2768	1.2200e-003	0.2780	0.0734	1.1200e-003	0.0745		187.0277	187.0277	3.3000e-003		187.1101

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885		3,457.7770	3,457.7770	0.8925		3,480.0882

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0749	3.0537	0.7488	8.7000e-003	0.2138	3.2800e-003	0.2171	0.0616	3.1300e-003	0.0647		933.7367	933.7367	0.0497		934.9786
Worker	0.4877	0.2877	3.4230	0.0133	1.9575	8.6300e-003	1.9661	0.5192	7.9400e-003	0.5271		1,322.5528	1,322.5528	0.0233		1,323.1356

Total	0.5626	3.3414	4.1718	0.0220	2.1713	0.0119	2.1832	0.5808	0.0111	0.5918		2,256.2895	2,256.2895	0.0730		2,258.1143

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882
Total	1.8436	17.2284	20.6888	0.0363		0.7365	0.7365		0.6885	0.6885	0.0000	3,457.7770	3,457.7770	0.8925		3,480.0882

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0749	3.0537	0.7488	8.7000e-003	0.2138	3.2800e-003	0.2171	0.0616	3.1300e-003	0.0647		933.7367	933.7367	0.0497		934.9786
Worker	0.4877	0.2877	3.4230	0.0133	1.9575	8.6300e-003	1.9661	0.5192	7.9400e-003	0.5271		1,322.5528	1,322.5528	0.0233		1,323.1356
Total	0.5626	3.3414	4.1718	0.0220	2.1713	0.0119	2.1832	0.5808	0.0111	0.5918		2,256.2895	2,256.2895	0.0730		2,258.1143

3.6 Paving - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108		3,056.0558	3,056.0558	0.9884		3,080.7656

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0291	0.3458	1.3400e-003	0.1977	8.7000e-004	0.1986	0.0524	8.0000e-004	0.0532		133.5912	133.5912	2.3500e-003		133.6501
Total	0.0493	0.0291	0.3458	1.3400e-003	0.1977	8.70E-04	0.1986	0.0524	8.0000e-004	0.0532		133.5912	133.5912	2.3500e-003		133.6501

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2358	11.4294	20.0202	0.0316		0.5552	0.5552		0.5108	0.5108	0.0000	3,056.0558	3,056.0558	0.9884		3,080.7655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0493	0.0291	0.3458	1.3400e-003	0.1977	8.7000e-004	0.1986	0.0524	8.0000e-004	0.0532		133.5912	133.5912	2.3500e-003		133.6501
Total	0.0493	0.0291	0.3458	1.3400e-003	0.1977	8.7000e-004	0.1986	0.0524	8.0000e-004	0.0532		133.5912	133.5912	2.3500e-003		133.6501

3.7 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0985	0.0581	0.6915	2.6800e-003	0.3955	1.7400e-003	0.3972	0.1049	1.6000e-003	0.1065		267.1824	267.1824	4.7100e-003		267.3001
Total	0.0985	0.0581	0.6915	2.6800e-003	0.3955	1.74E-03	0.3972	0.1049	1.6000e-003	0.1065		267.1824	267.1824	4.7100e-003		267.3001

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	286.5539					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	286.7247	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0985	0.0581	0.6915	2.6800e-003	0.3955	1.7400e-003	0.3972	0.1049	1.6000e-003	0.1065		267.1824	267.1824	4.7100e-003		267.3001
Total	0.0985	0.0581	0.6915	2.6800e-003	0.3955	1.7400e-003	0.3972	0.1049	1.6000e-003	0.1065		267.1824	267.1824	4.7100e-003		267.3001

Cal Poly MP Construction 2030 - San Luis Obispo County, Annual

Cal Poly MP Construction 2030

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2031
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	5/19/2031	11/26/2030
tblConstructionPhase	PhaseEndDate	1/28/2030	1/17/2030
tblConstructionPhase	PhaseEndDate	3/25/2030	2/25/2030
tblConstructionPhase	PhaseEndDate	6/16/2031	12/13/2030
tblConstructionPhase	PhaseEndDate	2/11/2030	1/28/2030
tblConstructionPhase	PhaseStartDate	6/17/2031	12/13/2030
tblConstructionPhase	PhaseStartDate	3/26/2030	2/26/2030
tblConstructionPhase	PhaseStartDate	2/12/2030	1/29/2030

tblConstructionPhase	PhaseStartDate	5/20/2031	11/27/2030
tblConstructionPhase	PhaseStartDate	1/29/2030	1/18/2030
tblGrading	AcresOfGrading	60.00	75.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.9456	1.9910	3.2782	9.3100e-003	0.5631	0.0359	0.5990	0.2006	0.0358	0.2365	0.0000	828.6588	828.6588	0.0324	0.0000	829.4681
Maximum	1.9456	1.991	3.2782	9.3100e-003	0.5631	0.0359	0.5990	0.2006	0.0358	0.2365	0.0000	828.6588	828.6588	0.0324	0.0000	829.4681

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2030	1.9456	1.9910	3.2782	9.3100e-003	0.5631	0.0359	0.5990	0.2006	0.0358	0.2365	0.0000	828.6582	828.6582	0.0324	0.0000	829.4675
Maximum	1.9456	1.9910	3.2782	9.3100e-003	0.5631	0.0359	0.5990	0.2006	0.0358	0.2365	0.0000	828.6582	828.6582	0.0324	0.0000	829.4675

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2030	3-31-2030	0.6499	0.6499
2	4-1-2030	6-30-2030	0.6031	0.6031
3	7-1-2030	9-30-2030	0.6097	0.6097
		Highest	0.6499	0.6499

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2030	1/17/2030	5	13	
2	Site Preparation	Site Preparation	1/18/2030	1/28/2030	5	7	
3	Grading	Grading	1/29/2030	2/25/2030	5	20	
4	Building Construction	Building Construction	2/26/2030	11/26/2030	5	196	
5	Paving	Paving	11/27/2030	12/13/2030	5	13	

6	Architectural Coating	Architectural Coating	12/13/2030	12/31/2030	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	3.2000e-004	0.0103	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.8586	4.8586	3.3000e-004	0.0000	4.8668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.9000e-004	2.0100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7371	0.7371	1.0000e-005	0.0000	0.7374
Total	6.3000e-004	0.0105	5.8000e-003	6.0000e-005	2.4300e-003	3.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.9000e-004	0.0000	5.5957	5.5957	3.4000e-004	0.0000	5.6042

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0103	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.5000e-004	0.0000	4.8586	4.8586	3.3000e-004	0.0000	4.8668
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.9000e-004	2.0100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7371	0.7371	1.0000e-005	0.0000	0.7374
Total	6.3000e-004	0.0105	5.8000e-003	6.0000e-005	2.4300e-003	3.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.9000e-004	0.0000	5.5957	5.5957	3.4000e-004	0.0000	5.6042

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.2000e-004	1.2400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4564	0.4564	1.0000e-005	0.0000	0.4566
Total	1.9000e-004	1.2000e-004	1.2400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4564	0.4564	1.0000e-005	0.0000	0.4566

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.2000e-004	1.2400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4564	0.4564	1.0000e-005	0.0000	0.4566
Total	1.9000e-004	1.2000e-004	1.2400e-003	1.0000e-005	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4564	0.4564	1.0000e-005	0.0000	0.4566

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.1000e-004	4.3200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5876	1.5876	3.0000e-005	0.0000	1.5882
Total	6.6000e-004	4.1000e-004	4.3200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5876	1.5876	3.0000e-005	0.0000	1.5882

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.1000e-004	4.3200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5876	1.5876	3.0000e-005	0.0000	1.5882
Total	6.6000e-004	4.1000e-004	4.3200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5876	1.5876	3.0000e-005	0.0000	1.5882

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6814	353.6814	0.0141	0.0000	354.0327
Total	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6814	353.6814	0.0141	0.0000	354.0327

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0136	0.5471	0.1412	1.5500e-003	0.0379	5.7000e-004	0.0385	0.0110	5.5000e-004	0.0115	0.0000	150.8797	150.8797	8.4100e-003	0.0000	151.0899
Worker	0.0626	0.0389	0.4083	1.6600e-003	0.2547	1.0700e-003	0.2558	0.0677	9.8000e-004	0.0687	0.0000	150.0250	150.0250	2.4600e-003	0.0000	150.0865
Total	0.0762	0.5861	0.5495	3.2100e-003	0.2926	1.6400e-003	0.2943	0.0787	1.5300e-003	0.0802	0.0000	300.9047	300.9047	0.0109	0.0000	301.1764

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6810	353.6810	0.0141	0.0000	354.0323
Total	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6810	353.6810	0.0141	0.0000	354.0323

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0136	0.5471	0.1412	1.5500e-003	0.0379	5.7000e-004	0.0385	0.0110	5.5000e-004	0.0115	0.0000	150.8797	150.8797	8.4100e-003	0.0000	151.0899
Worker	0.0626	0.0389	0.4083	1.6600e-003	0.2547	1.0700e-003	0.2558	0.0677	9.8000e-004	0.0687	0.0000	150.0250	150.0250	2.4600e-003	0.0000	150.0865
Total	0.0762	0.5861	0.5495	3.2100e-003	0.2926	1.6400e-003	0.2943	0.0787	1.5300e-003	0.0802	0.0000	300.9047	300.9047	0.0109	0.0000	301.1764

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	1.9000e-004	2.0100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7371	0.7371	1.0000e-005	0.0000	0.7374
Total	3.1000e-004	1.9000e-004	2.0100e-003	1.0000e-005	1.2500e-003	1.0000e-005	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7371	0.7371	1.0000e-005	0.0000	0.7374

Mitigated Construction On-Site

Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	5.2000e-004	5.4200e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9901	1.9901	3.0000e-005	0.0000	1.9909
Total	8.3000e-004	5.2000e-004	5.4200e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9901	1.9901	3.0000e-005	0.0000	1.9909

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.3000e-004	5.2000e-004	5.4200e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9901	1.9901	3.0000e-005	0.0000	1.9909
Total	8.3000e-004	5.2000e-004	5.4200e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9901	1.9901	3.0000e-005	0.0000	1.9909

Cal Poly MP Construction 2030 - San Luis Obispo County, Summer

Cal Poly MP Construction 2030

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2031
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2031	12/31/2030
tblConstructionPhase	PhaseEndDate	5/19/2031	11/26/2030
tblConstructionPhase	PhaseEndDate	1/28/2030	1/17/2030
tblConstructionPhase	PhaseEndDate	3/25/2030	2/25/2030
tblConstructionPhase	PhaseEndDate	6/16/2031	12/13/2030
tblConstructionPhase	PhaseEndDate	2/11/2030	1/28/2030
tblConstructionPhase	PhaseStartDate	6/17/2031	12/13/2030
tblConstructionPhase	PhaseStartDate	3/26/2030	2/26/2030
tblConstructionPhase	PhaseStartDate	2/12/2030	1/29/2030

tblConstructionPhase	PhaseStartDate	5/20/2031	11/27/2030
tblConstructionPhase	PhaseStartDate	1/29/2030	1/18/2030
tblGrading	AcresOfGrading	60.00	75.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	249.1848	18.5494	30.8923	0.0967	24.3157	0.6661	24.8925	13.3012	0.6660	13.8780	0.0000	9,755.7710	9,755.7710	0.3926	0.0000	9,765.5858
Maximum	249.1848	18.5494	30.8923	0.0967	24.3157	0.6661	24.8925	13.3012	0.6660	13.8780	0.0000	9,755.7710	9,755.7710	0.3926	0.0000	9,765.5858

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2030	249.1848	18.5494	30.8923	0.0967	24.3157	0.6661	24.8925	13.3012	0.6660	13.8780	0.0000	9,755.7710	9,755.7710	0.3926	0.0000	9,765.5858
Maximum	249.1848	18.5494	30.8923	0.0967	24.3157	0.6661	24.8925	13.3012	0.6660	13.8780	0.0000	9,755.7710	9,755.7710	0.3926	0.0000	9,765.5858

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2030	1/17/2030	5	13	
2	Site Preparation	Site Preparation	1/18/2030	1/28/2030	5	7	
3	Grading	Grading	1/29/2030	2/25/2030	5	20	
4	Building Construction	Building Construction	2/26/2030	11/26/2030	5	196	
5	Paving	Paving	11/27/2030	12/13/2030	5	13	
6	Architectural Coating	Architectural Coating	12/13/2030	12/31/2030	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957		5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547		5,970.6477	5,970.6477	0.2571		5,977.0757

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	1.5703	0.5715	7.5800e-003	0.1858	3.3100e-003	0.1891	0.0510	3.1700e-003	0.0541		829.4959	829.4959	0.0549		830.8678
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0265	0.3231	1.3000e-003	0.1977	8.1000e-004	0.1985	0.0524	7.4000e-004	0.0532		130.0909	130.0909	2.1400e-003		130.1443
Total	0.0942	1.5968	0.8946	8.8800e-003	0.3835	4.12E-03	0.3877	0.1034	3.9100e-003	0.1073		959.5868	959.5868	0.0570		961.0121

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0484	1.5703	0.5715	7.5800e-003	0.1858	3.3100e-003	0.1891	0.0510	3.1700e-003	0.0541		829.4959	829.4959	0.0549		830.8678
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0265	0.3231	1.3000e-003	0.1977	8.1000e-004	0.1985	0.0524	7.4000e-004	0.0532		130.0909	130.0909	2.1400e-003		130.1443
Total	0.0942	1.5968	0.8946	8.8800e-003	0.3835	4.1200e-003	0.3877	0.1034	3.9100e-003	0.1073		959.5868	959.5868	0.0570		961.0121

3.3 Site Preparation - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759		5,759.7622	5,759.7622	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168		5,759.7622	5,759.7622	0.2851		5,766.8887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0527	0.0304	0.3715	1.5000e-003	0.2274	9.3000e-004	0.2283	0.0603	8.6000e-004	0.0612		149.6045	149.6045	2.4600e-003		149.6660
Total	0.0527	0.0304	0.3715	1.5000e-003	0.2274	9.30E-04	0.2283	0.0603	8.6000e-004	0.0612		149.6045	149.6045	2.4600e-003		149.6660

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887

Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887
												1				7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0527	0.0304	0.3715	1.5000e-003	0.2274	9.3000e-004	0.2283	0.0603	8.6000e-004	0.0612		149.6045	149.6045	2.4600e-003		149.6660
Total	0.0527	0.0304	0.3715	1.5000e-003	0.2274	9.3000e-004	0.2283	0.0603	8.6000e-004	0.0612		149.6045	149.6045	2.4600e-003		149.6660

3.4 Grading - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650		9,573.6438	9,573.6438	0.3896		9,583.3838
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.665	16.6860	7.0499	0.6650	7.7148		9,573.6438	9,573.6438	0.3896		9,583.3838

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0370	0.4523	1.8200e-003	0.2768	1.1300e-003	0.2779	0.0734	1.0400e-003	0.0745		182.1272	182.1272	2.9900e-003		182.2020
Total	0.0641	0.037	0.4523	1.8200e-003	0.2768	1.13E-03	0.2779	0.0734	1.0400e-003	0.0745		182.1272	182.1272	2.9900e-003		182.2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.6650	16.6860	7.0499	0.6650	7.7148	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0370	0.4523	1.8200e-003	0.2768	1.1300e-003	0.2779	0.0734	1.0400e-003	0.0745		182.1272	182.1272	2.9900e-003		182.2020
Total	0.0641	0.0370	0.4523	1.8200e-003	0.2768	1.1300e-003	0.2779	0.0734	1.0400e-003	0.0745		182.1272	182.1272	2.9900e-003		182.2020

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1348	5.5694	1.3526	0.0160	0.3951	5.7600e-003	0.4009	0.1139	5.5000e-003	0.1194		1,720.1528	1,720.1528	0.0919		1,722.4495
Worker	0.6184	0.3572	4.3616	0.0176	2.6693	0.0109	2.6802	0.7079	0.0101	0.7180		1,756.2268	1,756.2268	0.0289		1,756.9481
Total	0.7532	5.9266	5.7142	0.0336	3.0644	0.0167	3.0811	0.8218	0.0156	0.8373		3,476.3796	3,476.3796	0.1207		3,479.3976

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1348	5.5694	1.3526	0.0160	0.3951	5.7600e-003	0.4009	0.1139	5.5000e-003	0.1194		1,720.1528	1,720.1528	0.0919		1,722.4495
Worker	0.6184	0.3572	4.3616	0.0176	2.6693	0.0109	2.6802	0.7079	0.0101	0.7180		1,756.2268	1,756.2268	0.0289		1,756.9481
Total	0.7532	5.9266	5.7142	0.0336	3.0644	0.0167	3.0811	0.8218	0.0156	0.8373		3,476.3796	3,476.3796	0.1207		3,479.3976

3.6 Paving - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0265	0.3231	1.3000e-003	0.1977	8.1000e-004	0.1985	0.0524	7.4000e-004	0.0532		130.0909	130.0909	2.1400e-003		130.1443
Total	0.0458	0.0265	0.3231	1.3000e-003	0.1977	8.10E-04	0.1985	0.0524	7.4000e-004	0.0532		130.0909	130.0909	2.1400e-003		130.1443

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817

Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0265	0.3231	1.3000e-003	0.1977	8.1000e-004	0.1985	0.0524	7.4000e-004	0.0532		130.0909	130.0909	2.1400e-003		130.1443
Total	0.0458	0.0265	0.3231	1.3000e-003	0.1977	8.1000e-004	0.1985	0.0524	7.4000e-004	0.0532		130.0909	130.0909	2.1400e-003		130.1443

3.7 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1237	0.0714	0.8723	3.5200e-003	0.5339	2.1800e-003	0.5360	0.1416	2.0100e-003	0.1436		351.2454	351.2454	5.7700e-003		351.3896
Total	0.1237	0.0714	0.8723	3.5200e-003	0.5339	2.18E-03	0.5360	0.1416	2.0100e-003	0.1436		351.2454	351.2454	5.7700e-003		351.3896

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1237	0.0714	0.8723	3.5200e-003	0.5339	2.1800e-003	0.5360	0.1416	2.0100e-003	0.1436		351.2454	351.2454	5.7700e-003		351.3896
Total	0.1237	0.0714	0.8723	3.5200e-003	0.5339	2.1800e-003	0.5360	0.1416	2.0100e-003	0.1436		351.2454	351.2454	5.7700e-003		351.3896

Cal Poly MP Construction 2031 - San Luis Obispo County, Annual

Cal Poly MP Construction 2031

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2032
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2032	12/31/2031
tblConstructionPhase	PhaseEndDate	5/18/2032	11/26/2031
tblConstructionPhase	PhaseEndDate	1/28/2031	1/17/2031
tblConstructionPhase	PhaseEndDate	3/25/2031	2/25/2031
tblConstructionPhase	PhaseEndDate	6/15/2032	12/15/2031
tblConstructionPhase	PhaseEndDate	2/11/2031	1/28/2031
tblConstructionPhase	PhaseStartDate	6/16/2032	12/15/2031
tblConstructionPhase	PhaseStartDate	3/26/2031	2/26/2031
tblConstructionPhase	PhaseStartDate	2/12/2031	1/29/2031

tblConstructionPhase	PhaseStartDate	5/19/2032	11/27/2031
tblConstructionPhase	PhaseStartDate	1/29/2031	1/18/2031
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	1.9401	1.9804	3.2464	9.2600e-003	0.5631	0.0358	0.5989	0.2006	0.0357	0.2364	0.0000	824.6221	824.6221	0.0321	0.0000	825.4254
Maximum	1.9401	1.9804	3.2464	9.2600e-003	0.5631	0.0358	0.5989	0.2006	0.0357	0.2364	0.0000	824.6221	824.6221	0.0321	0.0000	825.4254

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2031	1.9401	1.9804	3.2464	9.2600e-003	0.5631	0.0358	0.5989	0.2006	0.0357	0.2364	0.0000	824.6215	824.6215	0.0321	0.0000	825.4247
Maximum	1.9401	1.9804	3.2464	9.2600e-003	0.5631	0.0358	0.5989	0.2006	0.0357	0.2364	0.0000	824.6215	824.6215	0.0321	0.0000	825.4247

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2031	3-31-2031	0.6475	0.6475
2	4-1-2031	6-30-2031	0.5981	0.5981
3	7-1-2031	9-30-2031	0.6047	0.6047
		Highest	0.6475	0.6475

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2031	1/17/2031	5	13	
2	Site Preparation	Site Preparation	1/18/2031	1/28/2031	5	7	
3	Grading	Grading	1/29/2031	2/25/2031	5	20	
4	Building Construction	Building Construction	2/26/2031	11/26/2031	5	196	

5	Paving	Paving	11/27/2031	12/15/2031	5	13
6	Architectural Coating	Architectural Coating	12/15/2031	12/31/2031	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0101	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8441	4.8441	3.3000e-004	0.0000	4.8523
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.8700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7197	0.7197	1.0000e-005	0.0000	0.7199
Total	5.9000e-004	0.0103	5.6600e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.5638	5.5638	3.4000e-004	0.0000	5.5723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0101	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8441	4.8441	3.3000e-004	0.0000	4.8523
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.8700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7197	0.7197	1.0000e-005	0.0000	0.7199

Total	5.9000e-004	0.0103	5.6600e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.5638	5.5638	3.4000e-004	0.0000	5.5723

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.1000e-004	1.1600e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4456	0.4456	1.0000e-005	0.0000	0.4458
Total	1.8000e-004	1.1000e-004	1.1600e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4456	0.4456	1.0000e-005	0.0000	0.4458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.1000e-004	1.1600e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4456	0.4456	1.0000e-005	0.0000	0.4458
Total	1.8000e-004	1.1000e-004	1.1600e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4456	0.4456	1.0000e-005	0.0000	0.4458

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.7000e-004	4.0200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5501	1.5501	2.0000e-005	0.0000	1.5507
Total	6.1000e-004	3.7000e-004	4.0200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5501	1.5501	2.0000e-005	0.0000	1.5507

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.7000e-004	4.0200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5501	1.5501	2.0000e-005	0.0000	1.5507
Total	6.1000e-004	3.7000e-004	4.0200e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5501	1.5501	2.0000e-005	0.0000	1.5507

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6814	353.6814	0.0141	0.0000	354.0327
Total	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6814	353.6814	0.0141	0.0000	354.0327

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0133	0.5406	0.1387	1.5400e-003	0.0379	5.5000e-004	0.0384	0.0110	5.2000e-004	0.0115	0.0000	150.5318	150.5318	8.4100e-003	0.0000	150.7421
Worker	0.0576	0.0353	0.3800	1.6200e-003	0.2547	1.0000e-003	0.2557	0.0677	9.2000e-004	0.0686	0.0000	146.4809	146.4809	2.2200e-003	0.0000	146.5363
Total	0.0709	0.5758	0.5188	3.1600e-003	0.2926	1.5500e-003	0.2942	0.0787	1.4400e-003	0.0801	0.0000	297.0127	297.0127	0.0106	0.0000	297.2784

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6810	353.6810	0.0141	0.0000	354.0323
Total	0.1745	0.9894	2.0176	4.1500e-003		0.0192	0.0192		0.0192	0.0192	0.0000	353.6810	353.6810	0.0141	0.0000	354.0323

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0133	0.5406	0.1387	1.5400e-003	0.0379	5.5000e-004	0.0384	0.0110	5.2000e-004	0.0115	0.0000	150.5318	150.5318	8.4100e-003	0.0000	150.7421
Worker	0.0576	0.0353	0.3800	1.6200e-003	0.2547	1.0000e-003	0.2557	0.0677	9.2000e-004	0.0686	0.0000	146.4809	146.4809	2.2200e-003	0.0000	146.5363

Total	0.0709	0.5758	0.5188	3.1600e-003	0.2926	1.5500e-003	0.2942	0.0787	1.4400e-003	0.0801	0.0000	297.0127	297.0127	0.0106	0.0000	297.2784

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.8700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7197	0.7197	1.0000e-005	0.0000	0.7199
Total	2.8000e-004	1.7000e-004	1.8700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7197	0.7197	1.0000e-005	0.0000	0.7199

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.8700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7197	0.7197	1.0000e-005	0.0000	0.7199
Total	2.8000e-004	1.7000e-004	1.8700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7197	0.7197	1.0000e-005	0.0000	0.7199

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	4.7000e-004	5.0400e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9431	1.9431	3.0000e-005	0.0000	1.9439
Total	7.6000e-004	4.7000e-004	5.0400e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9431	1.9431	3.0000e-005	0.0000	1.9439

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	4.7000e-004	5.0400e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9431	1.9431	3.0000e-005	0.0000	1.9439
Total	7.6000e-004	4.7000e-004	5.0400e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9431	1.9431	3.0000e-005	0.0000	1.9439

Cal Poly MP Construction 2031 - San Luis Obispo County, Summer

Cal Poly MP Construction 2031

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2032
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2032	12/31/2031
tblConstructionPhase	PhaseEndDate	5/18/2032	11/26/2031
tblConstructionPhase	PhaseEndDate	1/28/2031	1/17/2031
tblConstructionPhase	PhaseEndDate	3/25/2031	2/25/2031
tblConstructionPhase	PhaseEndDate	6/15/2032	12/15/2031
tblConstructionPhase	PhaseEndDate	2/11/2031	1/28/2031
tblConstructionPhase	PhaseStartDate	6/16/2032	12/15/2031
tblConstructionPhase	PhaseStartDate	3/26/2031	2/26/2031
tblConstructionPhase	PhaseStartDate	2/12/2031	1/29/2031

tblConstructionPhase	PhaseStartDate	5/19/2032	11/27/2031
tblConstructionPhase	PhaseStartDate	1/29/2031	1/18/2031
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	249.1711	18.5459	30.8616	0.0966	24.3157	0.6660	24.8925	13.3012	0.6660	13.8779	0.0000	9,751.4781	9,751.4781	0.3923	0.0000	9,761.2855
Maximum	249.1711	18.5459	30.8616	0.0966	24.3157	0.6660	24.8925	13.3012	0.6660	13.8779	0.0000	9,751.4781	9,751.4781	0.3923	0.0000	9,761.2855

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2031	249.1711	18.5459	30.8616	0.0966	24.3157	0.6660	24.8925	13.3012	0.6660	13.8779	0.0000	9,751.4781	9,751.4781	0.3923	0.0000	9,761.2855
Maximum	249.1711	18.5459	30.8616	0.0966	24.3157	0.6660	24.8925	13.3012	0.6660	13.8779	0.0000	9,751.4781	9,751.4781	0.3923	0.0000	9,761.2855

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2031	1/17/2031	5	13	
2	Site Preparation	Site Preparation	1/18/2031	1/28/2031	5	7	
3	Grading	Grading	1/29/2031	2/25/2031	5	20	
4	Building Construction	Building Construction	2/26/2031	11/26/2031	5	196	
5	Paving	Paving	11/27/2031	12/15/2031	5	13	
6	Architectural Coating	Architectural Coating	12/15/2031	12/31/2031	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957		5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547		5,970.6477	5,970.6477	0.2571		5,977.0757

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0478	1.5356	0.5718	7.5500e-003	0.1858	3.1800e-003	0.1890	0.0510	3.0400e-003	0.0540		827.0335	827.0335	0.0553		828.4156
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0240	0.3012	1.2700e-003	0.1977	7.5000e-004	0.1985	0.0524	6.9000e-004	0.0531		127.0245	127.0245	1.9300e-003		127.0727

Total	0.0899	1.5595	0.8730	8.8200e-003	0.3836	3.93E-03	0.3875	0.1034	3.7300e-003	0.1071		954.0580	954.0580	0.0572		955.4883

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0478	1.5356	0.5718	7.5500e-003	0.1858	3.1800e-003	0.1890	0.0510	3.0400e-003	0.0540		827.0335	827.0335	0.0553		828.4156
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0240	0.3012	1.2700e-003	0.1977	7.5000e-004	0.1985	0.0524	6.9000e-004	0.0531		127.0245	127.0245	1.9300e-003		127.0727
Total	0.0899	1.5595	0.8730	8.8200e-003	0.3836	3.9300e-003	0.3875	0.1034	3.7300e-003	0.1071		954.0580	954.0580	0.0572		955.4883

3.3 Site Preparation - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759		5,759.7622	5,759.7622	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168		5,759.7622	5,759.7622	0.2851		5,766.8887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0484	0.0276	0.3464	1.4600e-003	0.2274	8.7000e-004	0.2283	0.0603	8.0000e-004	0.0611		146.0781	146.0781	2.2200e-003		146.1336
Total	0.0484	0.0276	0.3464	1.4600e-003	0.2274	8.70E-04	0.2283	0.0603	8.0000e-004	0.0611		146.0781	146.0781	2.2200e-003		146.1336

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0484	0.0276	0.3464	1.4600e-003	0.2274	8.7000e-004	0.2283	0.0603	8.0000e-004	0.0611		146.0781	146.0781	2.2200e-003		146.1336
Total	0.0484	0.0276	0.3464	1.4600e-003	0.2274	8.7000e-004	0.2283	0.0603	8.0000e-004	0.0611		146.0781	146.0781	2.2200e-003		146.1336

3.4 Grading - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650		9,573.6438	9,573.6438	0.3896		9,583.3838
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.665	16.6860	7.0499	0.6650	7.7148		9,573.6438	9,573.6438	0.3896		9,583.3838

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0590	0.0336	0.4217	1.7800e-003	0.2768	1.0500e-003	0.2779	0.0734	9.7000e-004	0.0744		177.8343	177.8343	2.7000e-003		177.9018
Total	0.059	0.0336	0.4217	1.7800e-003	0.2768	1.05E-03	0.2779	0.0734	9.7000e-004	0.0744		177.8343	177.8343	2.7000e-003		177.9018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.6650	16.6860	7.0499	0.6650	7.7148	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0590	0.0336	0.4217	1.7800e-003	0.2768	1.0500e-003	0.2779	0.0734	9.7000e-004	0.0744		177.8343	177.8343	2.7000e-003		177.9018
Total	0.0590	0.0336	0.4217	1.7800e-003	0.2768	1.0500e-003	0.2779	0.0734	9.7000e-004	0.0744		177.8343	177.8343	2.7000e-003		177.9018

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1320	5.5035	1.3288	0.0160	0.3952	5.4900e-003	0.4007	0.1139	5.2500e-003	0.1191		1,716.2237	1,716.2237	0.0919		1,718.5216
Worker	0.5685	0.3238	4.0661	0.0172	2.6693	0.0102	2.6794	0.7079	9.3500e-003	0.7173		1,714.8303	1,714.8303	0.0260		1,715.4813

Total	0.7005	5.8273	5.3948	0.0332	3.0644	0.0157	3.0801	0.8218	0.0146	0.8364		3,431.0540	3,431.0540	0.1180		3,434.0029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1320	5.5035	1.3288	0.0160	0.3952	5.4900e-003	0.4007	0.1139	5.2500e-003	0.1191		1,716.2237	1,716.2237	0.0919		1,718.5216
Worker	0.5685	0.3238	4.0661	0.0172	2.6693	0.0102	2.6794	0.7079	9.3500e-003	0.7173		1,714.8303	1,714.8303	0.0260		1,715.4813
Total	0.7005	5.8273	5.3948	0.0332	3.0644	0.0157	3.0801	0.8218	0.0146	0.8364		3,431.0540	3,431.0540	0.1180		3,434.0029

3.6 Paving - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0240	0.3012	1.2700e-003	0.1977	7.5000e-004	0.1985	0.0524	6.9000e-004	0.0531		127.0245	127.0245	1.9300e-003		127.0727
Total	0.0421	0.024	0.3012	1.2700e-003	0.1977	7.50E-04	0.1985	0.0524	6.9000e-004	0.0531		127.0245	127.0245	1.9300e-003		127.0727

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0421	0.0240	0.3012	1.2700e-003	0.1977	7.5000e-004	0.1985	0.0524	6.9000e-004	0.0531		127.0245	127.0245	1.9300e-003		127.0727
Total	0.0421	0.0240	0.3012	1.2700e-003	0.1977	7.5000e-004	0.1985	0.0524	6.9000e-004	0.0531		127.0245	127.0245	1.9300e-003		127.0727

3.7 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1137	0.0648	0.8132	3.4400e-003	0.5339	2.0300e-003	0.5359	0.1416	1.8700e-003	0.1435		342.9661	342.9661	5.2100e-003		343.0963
Total	0.1137	0.0648	0.8132	3.4400e-003	0.5339	2.03E-03	0.5359	0.1416	1.8700e-003	0.1435		342.9661	342.9661	5.2100e-003		343.0963

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1137	0.0648	0.8132	3.4400e-003	0.5339	2.0300e-003	0.5359	0.1416	1.8700e-003	0.1435		342.9661	342.9661	5.2100e-003		343.0963
Total	0.1137	0.0648	0.8132	3.4400e-003	0.5339	2.0300e-003	0.5359	0.1416	1.8700e-003	0.1435		342.9661	342.9661	5.2100e-003		343.0963

Cal Poly MP Construction 2032 - San Luis Obispo County, Annual

Cal Poly MP Construction 2032

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2033
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	197.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2033	12/31/2032
tblConstructionPhase	PhaseEndDate	5/18/2033	11/26/2032
tblConstructionPhase	PhaseEndDate	1/28/2032	1/19/2032
tblConstructionPhase	PhaseEndDate	3/24/2032	2/25/2032
tblConstructionPhase	PhaseEndDate	6/15/2033	12/15/2032
tblConstructionPhase	PhaseEndDate	2/11/2032	1/28/2032
tblConstructionPhase	PhaseStartDate	6/16/2033	12/15/2032
tblConstructionPhase	PhaseStartDate	3/25/2032	2/26/2032
tblConstructionPhase	PhaseStartDate	2/12/2032	1/29/2032

tblConstructionPhase	PhaseStartDate	5/19/2033	11/27/2032
tblConstructionPhase	PhaseStartDate	1/29/2032	1/20/2032
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	1.9363	1.9786	3.2314	9.2600e-003	0.5646	0.0358	0.6004	0.2010	0.0357	0.2368	0.0000	824.4687	824.4687	0.0320	0.0000	825.2695
Maximum	1.9363	1.9786	3.2314	9.2600e-003	0.5646	0.0358	0.6004	0.2010	0.0357	0.2368	0.0000	824.4687	824.4687	0.0320	0.0000	825.2695

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2032	1.9363	1.9786	3.2314	9.2600e-003	0.5646	0.0358	0.6004	0.2010	0.0357	0.2368	0.0000	824.4680	824.4680	0.0320	0.0000	825.2689
Maximum	1.9363	1.9786	3.2314	9.2600e-003	0.5646	0.0358	0.6004	0.2010	0.0357	0.2368	0.0000	824.4680	824.4680	0.0320	0.0000	825.2689

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2032	3-31-2032	0.6496	0.6496
2	4-1-2032	6-30-2032	0.5936	0.5936
3	7-1-2032	9-30-2032	0.6001	0.6001
		Highest	0.6496	0.6496

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2032	1/19/2032	5	13	
2	Site Preparation	Site Preparation	1/20/2032	1/28/2032	5	7	
3	Grading	Grading	1/29/2032	2/25/2032	5	20	
4	Building Construction	Building Construction	2/26/2032	11/26/2032	5	197	

5	Paving	Paving	11/27/2032	12/15/2032	5	13
6	Architectural Coating	Architectural Coating	12/15/2032	12/31/2032	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.8900e-003	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8323	4.8323	3.3000e-004	0.0000	4.8406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.7400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7045	0.7045	1.0000e-005	0.0000	0.7048
Total	5.7000e-004	0.0101	5.5300e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.5368	5.5368	3.4000e-004	0.0000	5.5453

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.8900e-003	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8323	4.8323	3.3000e-004	0.0000	4.8406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.7400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7045	0.7045	1.0000e-005	0.0000	0.7048

Total	5.7000e-004	0.0101	5.5300e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.5368	5.5368	3.4000e-004	0.0000	5.5453

3.3 Site Preparation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.0800e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4363	0.4363	1.0000e-005	0.0000	0.4364
Total	1.6000e-004	1.0000e-004	1.0800e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4363	0.4363	1.0000e-005	0.0000	0.4364

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.0800e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4363	0.4363	1.0000e-005	0.0000	0.4364
Total	1.6000e-004	1.0000e-004	1.0800e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4363	0.4363	1.0000e-005	0.0000	0.4364

3.4 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.4000e-004	3.7600e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5174	1.5174	2.0000e-005	0.0000	1.5179
Total	5.6000e-004	3.4000e-004	3.7600e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5174	1.5174	2.0000e-005	0.0000	1.5179

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.4000e-004	3.7600e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5174	1.5174	2.0000e-005	0.0000	1.5179
Total	5.6000e-004	3.4000e-004	3.7600e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7100e-003	7.2000e-004	1.0000e-005	7.3000e-004	0.0000	1.5174	1.5174	2.0000e-005	0.0000	1.5179

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1754	0.9944	2.0279	4.1700e-003		0.0193	0.0193		0.0193	0.0193	0.0000	355.4859	355.4859	0.0141	0.0000	355.8390
Total	0.1754	0.9944	2.0279	4.1700e-003		0.0193	0.0193		0.0193	0.0193	0.0000	355.4859	355.4859	0.0141	0.0000	355.8390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0131	0.5371	0.1377	1.5500e-003	0.0381	5.2000e-004	0.0386	0.0110	5.0000e-004	0.0115	0.0000	151.0548	151.0548	8.4500e-003	0.0000	151.2661
Worker	0.0532	0.0322	0.3568	1.5900e-003	0.2560	9.3000e-004	0.2570	0.0680	8.6000e-004	0.0689	0.0000	144.1251	144.1251	2.0100e-003	0.0000	144.1755
Total	0.0664	0.5693	0.4944	3.1400e-003	0.2941	1.4500e-003	0.2956	0.0791	1.3600e-003	0.0804	0.0000	295.1799	295.1799	0.0105	0.0000	295.4416

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1754	0.9944	2.0279	4.1700e-003		0.0193	0.0193		0.0193	0.0193	0.0000	355.4855	355.4855	0.0141	0.0000	355.8386
Total	0.1754	0.9944	2.0279	4.1700e-003		0.0193	0.0193		0.0193	0.0193	0.0000	355.4855	355.4855	0.0141	0.0000	355.8386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0131	0.5371	0.1377	1.5500e-003	0.0381	5.2000e-004	0.0386	0.0110	5.0000e-004	0.0115	0.0000	151.0548	151.0548	8.4500e-003	0.0000	151.2661
Worker	0.0532	0.0322	0.3568	1.5900e-003	0.2560	9.3000e-004	0.2570	0.0680	8.6000e-004	0.0689	0.0000	144.1251	144.1251	2.0100e-003	0.0000	144.1755

Total	0.0664	0.5693	0.4944	3.1400e-003	0.2941	1.4500e-003	0.2956	0.0791	1.3600e-003	0.0804	0.0000	295.1799	295.1799	0.0105	0.0000	295.4416

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.7400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7045	0.7045	1.0000e-005	0.0000	0.7048
Total	2.6000e-004	1.6000e-004	1.7400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7045	0.7045	1.0000e-005	0.0000	0.7048

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.6000e-004	1.7400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7045	0.7045	1.0000e-005	0.0000	0.7048
Total	2.6000e-004	1.6000e-004	1.7400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.7045	0.7045	1.0000e-005	0.0000	0.7048

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.3000e-004	4.7100e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9022	1.9022	3.0000e-005	0.0000	1.9028
Total	7.0000e-004	4.3000e-004	4.7100e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9022	1.9022	3.0000e-005	0.0000	1.9028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.3000e-004	4.7100e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9022	1.9022	3.0000e-005	0.0000	1.9028
Total	7.0000e-004	4.3000e-004	4.7100e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.9022	1.9022	3.0000e-005	0.0000	1.9028

Cal Poly MP Construction 2032 - San Luis Obispo County, Summer

Cal Poly MP Construction 2032

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2033
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	197.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2033	12/31/2032
tblConstructionPhase	PhaseEndDate	5/18/2033	11/26/2032
tblConstructionPhase	PhaseEndDate	1/28/2032	1/19/2032
tblConstructionPhase	PhaseEndDate	3/24/2032	2/25/2032
tblConstructionPhase	PhaseEndDate	6/15/2033	12/15/2032
tblConstructionPhase	PhaseEndDate	2/11/2032	1/28/2032
tblConstructionPhase	PhaseStartDate	6/16/2033	12/15/2032
tblConstructionPhase	PhaseStartDate	3/25/2032	2/26/2032
tblConstructionPhase	PhaseStartDate	2/12/2032	1/29/2032

tblConstructionPhase	PhaseStartDate	5/19/2033	11/27/2032
tblConstructionPhase	PhaseStartDate	1/29/2032	1/20/2032
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2032	249.1586	18.5429	30.8344	0.0966	24.3157	0.6660	24.8924	13.3012	0.6659	13.8779	0.0000	9,747.7389	9,747.7389	0.3920	0.0000	9,757.5399
Maximum	249.1586	18.5429	30.8344	0.0966	24.3157	0.6660	24.8924	13.3012	0.6659	13.8779	0.0000	9,747.7389	9,747.7389	0.3920	0.0000	9,757.5399

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2032	249.1586	18.5429	30.8344	0.0966	24.3157	0.6660	24.8924	13.3012	0.6659	13.8779	0.0000	9,747.7389	9,747.7389	0.3920	0.0000	9,757.5399
Maximum	249.1586	18.5429	30.8344	0.0966	24.3157	0.6660	24.8924	13.3012	0.6659	13.8779	0.0000	9,747.7389	9,747.7389	0.3920	0.0000	9,757.5399

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2032	1/19/2032	5	13	
2	Site Preparation	Site Preparation	1/20/2032	1/28/2032	5	7	
3	Grading	Grading	1/29/2032	2/25/2032	5	20	
4	Building Construction	Building Construction	2/26/2032	11/26/2032	5	197	
5	Paving	Paving	11/27/2032	12/15/2032	5	13	
6	Architectural Coating	Architectural Coating	12/15/2032	12/31/2032	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957		5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547		5,970.6477	5,970.6477	0.2571		5,977.0757

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	1.5042	0.5725	7.5300e-003	0.1859	3.0500e-003	0.1889	0.0510	2.9200e-003	0.0539		825.0383	825.0383	0.0556		826.4291
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0218	0.2818	1.2500e-003	0.1977	7.0000e-004	0.1984	0.0524	6.5000e-004	0.0531		124.3536	124.3536	1.7400e-003		124.3972

Total	0.0861	1.526	0.8543	8.7800e-003	0.3836	3.75E-03	0.3873	0.1034	3.5700e-003	0.1070		949.3920	949.3920	0.0574		950.8264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0474	1.5042	0.5725	7.5300e-003	0.1859	3.0500e-003	0.1889	0.0510	2.9200e-003	0.0539		825.0383	825.0383	0.0556		826.4291
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0218	0.2818	1.2500e-003	0.1977	7.0000e-004	0.1984	0.0524	6.5000e-004	0.0531		124.3536	124.3536	1.7400e-003		124.3972
Total	0.0861	1.5260	0.8543	8.7800e-003	0.3836	3.7500e-003	0.3873	0.1034	3.5700e-003	0.1070		949.3920	949.3920	0.0574		950.8264

3.3 Site Preparation - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759		5,759.7622	5,759.7622	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168		5,759.7622	5,759.7622	0.2851		5,766.8887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0251	0.3240	1.4300e-003	0.2274	8.1000e-004	0.2282	0.0603	7.4000e-004	0.0611		143.0067	143.0067	2.0100e-003		143.0568
Total	0.0445	0.0251	0.3240	1.4300e-003	0.2274	8.10E-04	0.2282	0.0603	7.4000e-004	0.0611		143.0067	143.0067	2.0100e-003		143.0568

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0445	0.0251	0.3240	1.4300e-003	0.2274	8.1000e-004	0.2282	0.0603	7.4000e-004	0.0611		143.0067	143.0067	2.0100e-003		143.0568
Total	0.0445	0.0251	0.3240	1.4300e-003	0.2274	8.1000e-004	0.2282	0.0603	7.4000e-004	0.0611		143.0067	143.0067	2.0100e-003		143.0568

3.4 Grading - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650		9,573.6438	9,573.6438	0.3896		9,583.3838
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.665	16.6860	7.0499	0.6650	7.7148		9,573.6438	9,573.6438	0.3896		9,583.3838

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0305	0.3945	1.7400e-003	0.2768	9.8000e-004	0.2778	0.0734	9.0000e-004	0.0743		174.0951	174.0951	2.4400e-003		174.1561
Total	0.0542	0.0305	0.3945	1.7400e-003	0.2768	9.80E-04	0.2778	0.0734	9.0000e-004	0.0743		174.0951	174.0951	2.4400e-003		174.1561

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.6650	16.6860	7.0499	0.6650	7.7148	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0542	0.0305	0.3945	1.7400e-003	0.2768	9.8000e-004	0.2778	0.0734	9.0000e-004	0.0743		174.0951	174.0951	2.4400e-003		174.1561
Total	0.0542	0.0305	0.3945	1.7400e-003	0.2768	9.8000e-004	0.2778	0.0734	9.0000e-004	0.0743		174.0951	174.0951	2.4400e-003		174.1561

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1297	5.4416	1.3119	0.0159	0.3952	5.2500e-003	0.4005	0.1139	5.0100e-003	0.1189		1,713.5052	1,713.5052	0.0919		1,715.8036
Worker	0.5225	0.2944	3.8040	0.0168	2.6693	9.4700e-003	2.6787	0.7079	8.7100e-003	0.7167		1,678.7738	1,678.7738	0.0236		1,679.3627

Total	0.6522	5.736	5.1159	0.0328	3.0645	0.0147	3.0792	0.8218	0.0137	0.8355		3,392.2790	3,392.2790	0.1155		3,395.1663

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1297	5.4416	1.3119	0.0159	0.3952	5.2500e-003	0.4005	0.1139	5.0100e-003	0.1189		1,713.5052	1,713.5052	0.0919		1,715.8036
Worker	0.5225	0.2944	3.8040	0.0168	2.6693	9.4700e-003	2.6787	0.7079	8.7100e-003	0.7167		1,678.7738	1,678.7738	0.0236		1,679.3627
Total	0.6522	5.7360	5.1159	0.0328	3.0645	0.0147	3.0792	0.8218	0.0137	0.8355		3,392.2790	3,392.2790	0.1155		3,395.1663

3.6 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0218	0.2818	1.2500e-003	0.1977	7.0000e-004	0.1984	0.0524	6.5000e-004	0.0531		124.3536	124.3536	1.7400e-003		124.3972
Total	0.0387	0.0218	0.2818	1.2500e-003	0.1977	7.00E-04	0.1984	0.0524	6.5000e-004	0.0531		124.3536	124.3536	1.7400e-003		124.3972

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0218	0.2818	1.2500e-003	0.1977	7.0000e-004	0.1984	0.0524	6.5000e-004	0.0531		124.3536	124.3536	1.7400e-003		124.3972
Total	0.0387	0.0218	0.2818	1.2500e-003	0.1977	7.0000e-004	0.1984	0.0524	6.5000e-004	0.0531		124.3536	124.3536	1.7400e-003		124.3972

3.7 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1045	0.0589	0.7608	3.3600e-003	0.5339	1.8900e-003	0.5358	0.1416	1.7400e-003	0.1433		335.7548	335.7548	4.7100e-003		335.8726
Total	0.1045	0.0589	0.7608	3.3600e-003	0.5339	1.89E-03	0.5358	0.1416	1.7400e-003	0.1433		335.7548	335.7548	4.7100e-003		335.8726

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1045	0.0589	0.7608	3.3600e-003	0.5339	1.8900e-003	0.5358	0.1416	1.7400e-003	0.1433		335.7548	335.7548	4.7100e-003		335.8726
Total	0.1045	0.0589	0.7608	3.3600e-003	0.5339	1.8900e-003	0.5358	0.1416	1.7400e-003	0.1433		335.7548	335.7548	4.7100e-003		335.8726

Cal Poly MP Construction 2033 - San Luis Obispo County, Annual

Cal Poly MP Construction 2033

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2034
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2034	12/30/2033
tblConstructionPhase	PhaseEndDate	5/19/2034	11/25/2033
tblConstructionPhase	PhaseEndDate	1/28/2033	1/19/2033
tblConstructionPhase	PhaseEndDate	3/25/2033	2/25/2033
tblConstructionPhase	PhaseEndDate	6/16/2034	12/14/2033
tblConstructionPhase	PhaseEndDate	2/11/2033	1/28/2033
tblConstructionPhase	PhaseStartDate	6/17/2034	12/14/2033
tblConstructionPhase	PhaseStartDate	3/26/2033	2/26/2033
tblConstructionPhase	PhaseStartDate	2/12/2033	1/29/2033

tblConstructionPhase	PhaseStartDate	5/20/2034	11/26/2033
tblConstructionPhase	PhaseStartDate	1/29/2033	1/20/2033
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	1.9297	1.9546	3.1827	9.1600e-003	0.5616	0.0356	0.5972	0.2002	0.0355	0.2357	0.0000	814.9390	814.9390	0.0316	0.0000	815.7293
Maximum	1.9297	1.9546	3.1827	9.1600e-003	0.5616	0.0356	0.5972	0.2002	0.0355	0.2357	0.0000	814.9390	814.9390	0.0316	0.0000	815.7293

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	1.9297	1.9546	3.1827	9.1600e-003	0.5616	0.0356	0.5972	0.2002	0.0355	0.2357	0.0000	814.9384	814.9384	0.0316	0.0000	815.7287
Maximum	1.9297	1.9546	3.1827	9.1600e-003	0.5616	0.0356	0.5972	0.2002	0.0355	0.2357	0.0000	814.9384	814.9384	0.0316	0.0000	815.7287

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2033	3-31-2033	0.6412	0.6412
2	4-1-2033	6-30-2033	0.5898	0.5898
3	7-1-2033	9-30-2033	0.5963	0.5963
		Highest	0.6412	0.6412

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2033	1/19/2033	5	13	
2	Site Preparation	Site Preparation	1/20/2033	1/28/2033	5	7	
3	Grading	Grading	1/29/2033	2/25/2033	5	20	
4	Building Construction	Building Construction	2/26/2033	11/25/2033	5	195	

5	Paving	Paving	11/26/2033	12/14/2033	5	13
6	Architectural Coating	Architectural Coating	12/14/2033	12/30/2033	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.7100e-003	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8227	4.8227	3.3000e-004	0.0000	4.8311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.4000e-004	1.6400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6914	0.6914	1.0000e-005	0.0000	0.6916
Total	5.5000e-004	9.8500e-003	5.4300e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.5141	5.5141	3.4000e-004	0.0000	5.5227

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.7100e-003	3.7900e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8227	4.8227	3.3000e-004	0.0000	4.8311
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.4000e-004	1.6400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6914	0.6914	1.0000e-005	0.0000	0.6916

Total	5.5000e-004	9.8500e-003	5.4300e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.5141	5.5141	3.4000e-004	0.0000	5.5227

3.3 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	9.0000e-005	1.0200e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4281	0.4281	1.0000e-005	0.0000	0.4283
Total	1.5000e-004	9.0000e-005	1.0200e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4281	0.4281	1.0000e-005	0.0000	0.4283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	9.0000e-005	1.0200e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4281	0.4281	1.0000e-005	0.0000	0.4283
Total	1.5000e-004	9.0000e-005	1.0200e-003	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4281	0.4281	1.0000e-005	0.0000	0.4283

3.4 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.1000e-004	3.5300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4892	1.4892	2.0000e-005	0.0000	1.4897
Total	5.2000e-004	3.1000e-004	3.5300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4892	1.4892	2.0000e-005	0.0000	1.4897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.1000e-004	3.5300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4892	1.4892	2.0000e-005	0.0000	1.4897
Total	5.2000e-004	3.1000e-004	3.5300e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4892	1.4892	2.0000e-005	0.0000	1.4897

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8769	351.8769	0.0140	0.0000	352.2265
Total	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8769	351.8769	0.0140	0.0000	352.2265

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0128	0.5264	0.1348	1.5300e-003	0.0377	5.0000e-004	0.0382	0.0109	4.8000e-004	0.0114	0.0000	149.3560	149.3560	8.3700e-003	0.0000	149.5654
Worker	0.0489	0.0293	0.3322	1.5500e-003	0.2534	8.6000e-004	0.2543	0.0674	7.9000e-004	0.0681	0.0000	140.0106	140.0106	1.8200e-003	0.0000	140.0560
Total	0.0617	0.5557	0.4670	3.0800e-003	0.2911	1.3600e-003	0.2925	0.0783	1.2700e-003	0.0795	0.0000	289.3666	289.3666	0.0102	0.0000	289.6214

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8765	351.8765	0.0140	0.0000	352.2260
Total	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8765	351.8765	0.0140	0.0000	352.2260

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0128	0.5264	0.1348	1.5300e-003	0.0377	5.0000e-004	0.0382	0.0109	4.8000e-004	0.0114	0.0000	149.3560	149.3560	8.3700e-003	0.0000	149.5654
Worker	0.0489	0.0293	0.3322	1.5500e-003	0.2534	8.6000e-004	0.2543	0.0674	7.9000e-004	0.0681	0.0000	140.0106	140.0106	1.8200e-003	0.0000	140.0560

Total	0.0617	0.5557	0.4670	3.0800e-003	0.2911	1.3600e-003	0.2925	0.0783	1.2700e-003	0.0795	0.0000	289.3666	289.3666	0.0102	0.0000	289.6214

3.6 Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.4000e-004	1.6400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6914	0.6914	1.0000e-005	0.0000	0.6916
Total	2.4000e-004	1.4000e-004	1.6400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6914	0.6914	1.0000e-005	0.0000	0.6916

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.4000e-004	1.6400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6914	0.6914	1.0000e-005	0.0000	0.6916
Total	2.4000e-004	1.4000e-004	1.6400e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6914	0.6914	1.0000e-005	0.0000	0.6916

3.7 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	3.9000e-004	4.4300e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8668	1.8668	2.0000e-005	0.0000	1.8674
Total	6.5000e-004	3.9000e-004	4.4300e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8668	1.8668	2.0000e-005	0.0000	1.8674

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	3.9000e-004	4.4300e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8668	1.8668	2.0000e-005	0.0000	1.8674
Total	6.5000e-004	3.9000e-004	4.4300e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8668	1.8668	2.0000e-005	0.0000	1.8674

Cal Poly MP Construction 2033 - San Luis Obispo County, Summer

Cal Poly MP Construction 2033

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2034
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/14/2034	12/30/2033
tblConstructionPhase	PhaseEndDate	5/19/2034	11/25/2033
tblConstructionPhase	PhaseEndDate	1/28/2033	1/19/2033
tblConstructionPhase	PhaseEndDate	3/25/2033	2/25/2033
tblConstructionPhase	PhaseEndDate	6/16/2034	12/14/2033
tblConstructionPhase	PhaseEndDate	2/11/2033	1/28/2033
tblConstructionPhase	PhaseStartDate	6/17/2034	12/14/2033
tblConstructionPhase	PhaseStartDate	3/26/2033	2/26/2033
tblConstructionPhase	PhaseStartDate	2/12/2033	1/29/2033

tblConstructionPhase	PhaseStartDate	5/20/2034	11/26/2033
tblConstructionPhase	PhaseStartDate	1/29/2033	1/20/2033
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	249.1481	18.5404	30.8116	0.0966	24.3157	0.6659	24.8924	13.3012	0.6658	13.8778	0.0000	9,744.5112	9,744.5112	0.3918	0.0000	9,754.3069
Maximum	249.1481	18.5404	30.8116	0.0966	24.3157	0.6659	24.8924	13.3012	0.6658	13.8778	0.0000	9,744.5112	9,744.5112	0.3918	0.0000	9,754.3069

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	249.1481	18.5404	30.8116	0.0966	24.3157	0.6659	24.8924	13.3012	0.6658	13.8778	0.0000	9,744.5112	9,744.5112	0.3918	0.0000	9,754.3068
Maximum	249.1481	18.5404	30.8116	0.0966	24.3157	0.6659	24.8924	13.3012	0.6658	13.8778	0.0000	9,744.5112	9,744.5112	0.3918	0.0000	9,754.3068

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2033	1/19/2033	5	13	
2	Site Preparation	Site Preparation	1/20/2033	1/28/2033	5	7	
3	Grading	Grading	1/29/2033	2/25/2033	5	20	
4	Building Construction	Building Construction	2/26/2033	11/25/2033	5	195	
5	Paving	Paving	11/26/2033	12/14/2033	5	13	
6	Architectural Coating	Architectural Coating	12/14/2033	12/30/2033	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957		5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547		5,970.6477	5,970.6477	0.2571		5,977.0757

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0470	1.4782	0.5731	7.5100e-003	0.1859	2.9600e-003	0.1888	0.0510	2.8300e-003	0.0538		823.4351	823.4351	0.0559		824.8334
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0359	0.0200	0.2655	1.2200e-003	0.1977	6.6000e-004	0.1984	0.0524	6.0000e-004	0.0530		122.0481	122.0481	1.5900e-003		122.0879

Total	0.0829	1.4983	0.8385	8.7300e-003	0.3836	3.62E-03	0.3872	0.1034	3.4300e-003	0.1068		945.4832	945.4832	0.0575		946.9213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0470	1.4782	0.5731	7.5100e-003	0.1859	2.9600e-003	0.1888	0.0510	2.8300e-003	0.0538		823.4351	823.4351	0.0559		824.8334
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0359	0.0200	0.2655	1.2200e-003	0.1977	6.6000e-004	0.1984	0.0524	6.0000e-004	0.0530		122.0481	122.0481	1.5900e-003		122.0879
Total	0.0829	1.4983	0.8385	8.7300e-003	0.3836	3.6200e-003	0.3872	0.1034	3.4300e-003	0.1068		945.4832	945.4832	0.0575		946.9213

3.3 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759		5,759.7622	5,759.7622	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168		5,759.7622	5,759.7622	0.2851		5,766.8887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0413	0.0230	0.3053	1.4100e-003	0.2274	7.5000e-004	0.2281	0.0603	6.9000e-004	0.0610		140.3554	140.3554	1.8300e-003		140.4011
Total	0.0413	0.023	0.3053	1.4100e-003	0.2274	7.50E-04	0.2281	0.0603	6.9000e-004	0.0610		140.3554	140.3554	1.8300e-003		140.4011

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0413	0.0230	0.3053	1.4100e-003	0.2274	7.5000e-004	0.2281	0.0603	6.9000e-004	0.0610		140.3554	140.3554	1.8300e-003		140.4011
Total	0.0413	0.0230	0.3053	1.4100e-003	0.2274	7.5000e-004	0.2281	0.0603	6.9000e-004	0.0610		140.3554	140.3554	1.8300e-003		140.4011

3.4 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650		9,573.6438	9,573.6438	0.3896		9,583.3838
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.665	16.6860	7.0499	0.6650	7.7148		9,573.6438	9,573.6438	0.3896		9,583.3838

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.3716	1.7100e-003	0.2768	9.2000e-004	0.2777	0.0734	8.4000e-004	0.0743		170.8674	170.8674	2.2300e-003		170.9231
Total	0.0502	0.028	0.3716	1.7100e-003	0.2768	9.20E-04	0.2777	0.0734	8.4000e-004	0.0743		170.8674	170.8674	2.2300e-003		170.9231

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.6650	16.6860	7.0499	0.6650	7.7148	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0502	0.0280	0.3716	1.7100e-003	0.2768	9.2000e-004	0.2777	0.0734	8.4000e-004	0.0743		170.8674	170.8674	2.2300e-003		170.9231
Total	0.0502	0.0280	0.3716	1.7100e-003	0.2768	9.2000e-004	0.2777	0.0734	8.4000e-004	0.0743		170.8674	170.8674	2.2300e-003		170.9231

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1279	5.3887	1.2980	0.0159	0.3952	5.0500e-003	0.4003	0.1139	4.8200e-003	0.1187		1,711.6984	1,711.6984	0.0920		1,713.9992
Worker	0.4842	0.2702	3.5836	0.0165	2.6693	8.8400e-003	2.6781	0.7079	8.1300e-003	0.7161		1,647.6499	1,647.6499	0.0215		1,648.1871

Total	0.6121	5.6589	4.8816	0.0324	3.0645	0.0139	3.0784	0.8218	0.0130	0.8348		3,359.3483	3,359.3483	0.1135		3,362.1862

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1279	5.3887	1.2980	0.0159	0.3952	5.0500e-003	0.4003	0.1139	4.8200e-003	0.1187		1,711.6984	1,711.6984	0.0920		1,713.9992
Worker	0.4842	0.2702	3.5836	0.0165	2.6693	8.8400e-003	2.6781	0.7079	8.1300e-003	0.7161		1,647.6499	1,647.6499	0.0215		1,648.1871
Total	0.6121	5.6589	4.8816	0.0324	3.0645	0.0139	3.0784	0.8218	0.0130	0.8348		3,359.3483	3,359.3483	0.1135		3,362.1862

3.6 Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0359	0.0200	0.2655	1.2200e-003	0.1977	6.6000e-004	0.1984	0.0524	6.0000e-004	0.0530		122.0481	122.0481	1.5900e-003		122.0879
Total	0.0359	0.0200	0.2655	1.2200e-003	0.1977	6.60E-04	0.1984	0.0524	6.0000e-004	0.0530		122.0481	122.0481	1.5900e-003		122.0879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0359	0.0200	0.2655	1.2200e-003	0.1977	6.6000e-004	0.1984	0.0524	6.0000e-004	0.0530		122.0481	122.0481	1.5900e-003		122.0879
Total	0.0359	0.0200	0.2655	1.2200e-003	0.1977	6.6000e-004	0.1984	0.0524	6.0000e-004	0.0530		122.0481	122.0481	1.5900e-003		122.0879

3.7 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0969	0.0540	0.7167	3.3000e-003	0.5339	1.7700e-003	0.5356	0.1416	1.6300e-003	0.1432		329.5300	329.5300	4.3000e-003		329.6374
Total	0.0969	0.054	0.7167	3.3000e-003	0.5339	1.77E-03	0.5356	0.1416	1.6300e-003	0.1432		329.5300	329.5300	4.3000e-003		329.6374

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0969	0.0540	0.7167	3.3000e-003	0.5339	1.7700e-003	0.5356	0.1416	1.6300e-003	0.1432		329.5300	329.5300	4.3000e-003		329.6374
Total	0.0969	0.0540	0.7167	3.3000e-003	0.5339	1.7700e-003	0.5356	0.1416	1.6300e-003	0.1432		329.5300	329.5300	4.3000e-003		329.6374

Cal Poly MP Construction 2034 - San Luis Obispo County, Annual

Cal Poly MP Construction 2034

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2035	12/29/2034
tblConstructionPhase	PhaseEndDate	5/18/2035	11/24/2034
tblConstructionPhase	PhaseEndDate	1/27/2034	1/18/2034
tblConstructionPhase	PhaseEndDate	3/24/2034	2/24/2034
tblConstructionPhase	PhaseEndDate	6/15/2035	12/13/2034
tblConstructionPhase	PhaseEndDate	2/10/2034	1/27/2034
tblConstructionPhase	PhaseStartDate	6/16/2035	12/13/2034
tblConstructionPhase	PhaseStartDate	3/25/2034	2/25/2034
tblConstructionPhase	PhaseStartDate	2/11/2034	1/28/2034

tblConstructionPhase	PhaseStartDate	5/19/2035	11/25/2034
tblConstructionPhase	PhaseStartDate	1/28/2034	1/19/2034
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction
Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	1.9264	1.9475	3.1621	9.1300e-003	0.5616	0.0355	0.5971	0.2002	0.0354	0.2356	0.0000	812.4565	812.4565	0.0315	0.0000	813.2427
Maximum	1.9264	1.9475	3.1621	9.1300e-003	0.5616	0.0355	0.5971	0.2002	0.0354	0.2356	0.0000	812.4565	812.4565	0.0315	0.0000	813.2427

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	1.9264	1.9475	3.1621	9.1300e-003	0.5616	0.0355	0.5971	0.2002	0.0354	0.2356	0.0000	812.4559	812.4559	0.0315	0.0000	813.2421
Maximum	1.9264	1.9475	3.1621	9.1300e-003	0.5616	0.0355	0.5971	0.2002	0.0354	0.2356	0.0000	812.4559	812.4559	0.0315	0.0000	813.2421

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2034	3-31-2034	0.6397	0.6397
2	4-1-2034	6-30-2034	0.5865	0.5865
3	7-1-2034	9-30-2034	0.5930	0.5930
		Highest	0.6397	0.6397

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2034	1/18/2034	5	13	
2	Site Preparation	Site Preparation	1/19/2034	1/27/2034	5	7	
3	Grading	Grading	1/28/2034	2/24/2034	5	20	
4	Building Construction	Building Construction	2/25/2034	11/24/2034	5	195	

5	Paving	Paving	11/25/2034	12/13/2034	5	13
6	Architectural Coating	Architectural Coating	12/13/2034	12/29/2034	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.5600e-003	3.8000e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8149	4.8149	3.3000e-004	0.0000	4.8233
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.3000e-004	1.5500e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6802	0.6802	1.0000e-005	0.0000	0.6804
Total	5.4000e-004	9.6900e-003	5.3500e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.4951	5.4951	3.4000e-004	0.0000	5.5036

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.0879	0.1611	4.1000e-004		3.2200e-003	3.2200e-003		3.2200e-003	3.2200e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450
Total	0.0188	0.0879	0.1611	4.1000e-004	0.0154	3.2200e-003	0.0186	2.3300e-003	3.2200e-003	5.5500e-003	0.0000	35.2071	35.2071	1.5200e-003	0.0000	35.2450

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.5600e-003	3.8000e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8149	4.8149	3.3000e-004	0.0000	4.8233
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.3000e-004	1.5500e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6802	0.6802	1.0000e-005	0.0000	0.6804

Total	5.4000e-004	9.6900e-003	5.3500e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.4951	5.4951	3.4000e-004	0.0000	5.5036

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	8.0000e-005	9.6000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4212	0.4212	1.0000e-005	0.0000	0.4213
Total	1.4000e-004	8.0000e-005	9.6000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4212	0.4212	1.0000e-005	0.0000	0.4213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.0626	0.0733	2.1000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107
Total	0.0112	0.0626	0.0733	2.1000e-004	0.0843	2.0200e-003	0.0863	0.0463	2.0200e-003	0.0484	0.0000	18.2881	18.2881	9.1000e-004	0.0000	18.3107

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	8.0000e-005	9.6000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4212	0.4212	1.0000e-005	0.0000	0.4213
Total	1.4000e-004	8.0000e-005	9.6000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4212	0.4212	1.0000e-005	0.0000	0.4213

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8506	86.8506	3.5300e-003	0.0000	86.9390

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	2.9000e-004	3.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4649	1.4649	2.0000e-005	0.0000	1.4654
Total	4.9000e-004	2.9000e-004	3.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4649	1.4649	2.0000e-005	0.0000	1.4654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0438	0.1851	0.3044	9.5000e-004		6.6500e-003	6.6500e-003		6.6500e-003	6.6500e-003	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389
Total	0.0438	0.1851	0.3044	9.5000e-004	0.1602	6.6500e-003	0.1669	0.0705	6.6500e-003	0.0772	0.0000	86.8505	86.8505	3.5300e-003	0.0000	86.9389

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	2.9000e-004	3.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4649	1.4649	2.0000e-005	0.0000	1.4654
Total	4.9000e-004	2.9000e-004	3.3400e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4649	1.4649	2.0000e-005	0.0000	1.4654

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8769	351.8769	0.0140	0.0000	352.2265
Total	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8769	351.8769	0.0140	0.0000	352.2265

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0127	0.5217	0.1336	1.5300e-003	0.0377	4.8000e-004	0.0382	0.0109	4.6000e-004	0.0114	0.0000	149.2465	149.2465	8.3700e-003	0.0000	149.4558
Worker	0.0458	0.0272	0.3136	1.5200e-003	0.2534	8.1000e-004	0.2542	0.0674	7.4000e-004	0.0681	0.0000	137.7296	137.7296	1.6600e-003	0.0000	137.7711
Total	0.0585	0.5488	0.4472	3.0500e-003	0.2911	1.2900e-003	0.2924	0.0783	1.2000e-003	0.0795	0.0000	286.9761	286.9761	0.0100	0.0000	287.2269

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8765	351.8765	0.0140	0.0000	352.2260
Total	0.1736	0.9843	2.0073	4.1300e-003		0.0191	0.0191		0.0191	0.0191	0.0000	351.8765	351.8765	0.0140	0.0000	352.2260

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0127	0.5217	0.1336	1.5300e-003	0.0377	4.8000e-004	0.0382	0.0109	4.6000e-004	0.0114	0.0000	149.2465	149.2465	8.3700e-003	0.0000	149.4558
Worker	0.0458	0.0272	0.3136	1.5200e-003	0.2534	8.1000e-004	0.2542	0.0674	7.4000e-004	0.0681	0.0000	137.7296	137.7296	1.6600e-003	0.0000	137.7711

Total	0.0585	0.5488	0.4472	3.0500e-003	0.2911	1.2900e-003	0.2924	0.0783	1.2000e-003	0.0795	0.0000	286.9761	286.9761	0.0100	0.0000	287.2269

3.6 Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.3000e-004	1.5500e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6802	0.6802	1.0000e-005	0.0000	0.6804
Total	2.3000e-004	1.3000e-004	1.5500e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6802	0.6802	1.0000e-005	0.0000	0.6804

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0125	0.0626	0.1419	2.5000e-004		2.9900e-003	2.9900e-003		2.9900e-003	2.9900e-003	0.0000	21.7003	21.7003	1.0200e-003	0.0000	21.7257

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.3000e-004	1.5500e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6802	0.6802	1.0000e-005	0.0000	0.6804
Total	2.3000e-004	1.3000e-004	1.5500e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6802	0.6802	1.0000e-005	0.0000	0.6804

3.7 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.6000e-004	4.1800e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8364	1.8364	2.0000e-005	0.0000	1.8370
Total	6.1000e-004	3.6000e-004	4.1800e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8364	1.8364	2.0000e-005	0.0000	1.8370

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6053					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613
Total	1.6061	5.5700e-003	0.0117	2.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004	0.0000	1.6596	1.6596	7.0000e-005	0.0000	1.6613

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.6000e-004	4.1800e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8364	1.8364	2.0000e-005	0.0000	1.8370
Total	6.1000e-004	3.6000e-004	4.1800e-003	2.0000e-005	3.3800e-003	1.0000e-005	3.3900e-003	9.0000e-004	1.0000e-005	9.1000e-004	0.0000	1.8364	1.8364	2.0000e-005	0.0000	1.8370

Cal Poly MP Construction 2034 - San Luis Obispo County, Summer

Cal Poly MP Construction 2034

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
Health Club	22.00	1000sqft	0.51	22,000.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	300.00	195.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	PhaseEndDate	7/13/2035	12/29/2034
tblConstructionPhase	PhaseEndDate	5/18/2035	11/24/2034
tblConstructionPhase	PhaseEndDate	1/27/2034	1/18/2034
tblConstructionPhase	PhaseEndDate	3/24/2034	2/24/2034
tblConstructionPhase	PhaseEndDate	6/15/2035	12/13/2034
tblConstructionPhase	PhaseEndDate	2/10/2034	1/27/2034
tblConstructionPhase	PhaseStartDate	6/16/2035	12/13/2034
tblConstructionPhase	PhaseStartDate	3/25/2034	2/25/2034
tblConstructionPhase	PhaseStartDate	2/11/2034	1/28/2034

tblConstructionPhase	PhaseStartDate	5/19/2035	11/25/2034
tblConstructionPhase	PhaseStartDate	1/28/2034	1/19/2034
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2034	249.1397	18.5384	30.7913	0.0965	24.3157	0.6658	24.8923	13.3012	0.6658	13.8778	0.0000	9,741.7340	9,741.7340	0.3916	0.0000	9,751.5249
Maximum	249.1397	18.5384	30.7913	0.0965	24.3157	0.6658	24.8923	13.3012	0.6658	13.8778	0.0000	9,741.7340	9,741.7340	0.3916	0.0000	9,751.5249

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2034	249.1397	18.5384	30.7913	0.0965	24.3157	0.6658	24.8923	13.3012	0.6658	13.8778	0.0000	9,741.7340	9,741.7340	0.3916	0.0000	9,751.5249
Maximum	249.1397	18.5384	30.7913	0.0965	24.3157	0.6658	24.8923	13.3012	0.6658	13.8778	0.0000	9,741.7340	9,741.7340	0.3916	0.0000	9,751.5249

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2034	1/18/2034	5	13	
2	Site Preparation	Site Preparation	1/19/2034	1/27/2034	5	7	
3	Grading	Grading	1/28/2034	2/24/2034	5	20	
4	Building Construction	Building Construction	2/25/2034	11/24/2034	5	195	
5	Paving	Paving	11/25/2034	12/13/2034	5	13	
6	Architectural Coating	Architectural Coating	12/13/2034	12/29/2034	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 227,102; Non-Residential Outdoor: 75,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	4	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	3	8.00	158	0.38
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	3	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Grading	Graders	2	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	3	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	54.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	270.00	85.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957		5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547		5,970.6477	5,970.6477	0.2571		5,977.0757

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0467	1.4546	0.5736	7.4900e-003	0.1859	2.8600e-003	0.1888	0.0510	2.7400e-003	0.0537		822.1286	822.1286	0.0562		823.5327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0336	0.0186	0.2510	1.2000e-003	0.1977	6.1000e-004	0.1983	0.0524	5.6000e-004	0.0530		120.0644	120.0644	1.4600e-003		120.1008

Total	0.0803	1.4732	0.8246	8.6900e-003	0.3836	3.47E-03	0.3871	0.1034	3.3000e-003	0.1067		942.1930	942.1930	0.0576		943.6335

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.8839	13.5183	24.7805	0.0630		0.4957	0.4957		0.4957	0.4957	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757
Total	2.8839	13.5183	24.7805	0.0630	2.3709	0.4957	2.8665	0.3590	0.4957	0.8547	0.0000	5,970.6477	5,970.6477	0.2571		5,977.0757

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0467	1.4546	0.5736	7.4900e-003	0.1859	2.8600e-003	0.1888	0.0510	2.7400e-003	0.0537		822.1286	822.1286	0.0562		823.5327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0336	0.0186	0.2510	1.2000e-003	0.1977	6.1000e-004	0.1983	0.0524	5.6000e-004	0.0530		120.0644	120.0644	1.4600e-003		120.1008
Total	0.0803	1.4732	0.8246	8.6900e-003	0.3836	3.4700e-003	0.3871	0.1034	3.3000e-003	0.1067		942.1930	942.1930	0.0576		943.6335

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759		5,759.7622	5,759.7622	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168		5,759.7622	5,759.7622	0.2851		5,766.8887

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0214	0.2886	1.3800e-003	0.2274	7.0000e-004	0.2281	0.0603	6.5000e-004	0.0610		138.0741	138.0741	1.6700e-003		138.1160
Total	0.0387	0.0214	0.2886	1.3800e-003	0.2274	7.00E-04	0.2281	0.0603	6.5000e-004	0.0610		138.0741	138.0741	1.6700e-003		138.1160

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	3.1959	17.8813	20.9407	0.0608		0.5759	0.5759		0.5759	0.5759	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887
Total	3.1959	17.8813	20.9407	0.0608	24.0883	0.5759	24.6642	13.2409	0.5759	13.8168	0.0000	5,759.7621	5,759.7621	0.2851		5,766.8887

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0387	0.0214	0.2886	1.3800e-003	0.2274	7.0000e-004	0.2281	0.0603	6.5000e-004	0.0610		138.0741	138.0741	1.6700e-003		138.1160
Total	0.0387	0.0214	0.2886	1.3800e-003	0.2274	7.0000e-004	0.2281	0.0603	6.5000e-004	0.0610		138.0741	138.0741	1.6700e-003		138.1160

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650		9,573.6438	9,573.6438	0.3896		9,583.3838
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.665	16.6860	7.0499	0.6650	7.7148		9,573.6438	9,573.6438	0.3896		9,583.3838

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0260	0.3513	1.6800e-003	0.2768	8.6000e-004	0.2777	0.0734	7.9000e-004	0.0742		168.0902	168.0902	2.0400e-003		168.1412
Total	0.0471	0.026	0.3513	1.6800e-003	0.2768	8.60E-04	0.2777	0.0734	7.9000e-004	0.0742		168.0902	168.0902	2.0400e-003		168.1412

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	4.3821	18.5124	30.4400	0.0949		0.6650	0.6650		0.6650	0.6650	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837
Total	4.3821	18.5124	30.4400	0.0949	16.0211	0.6650	16.6860	7.0499	0.6650	7.7148	0.0000	9,573.6438	9,573.6438	0.3896		9,583.3837

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0471	0.0260	0.3513	1.6800e-003	0.2768	8.6000e-004	0.2777	0.0734	7.9000e-004	0.0742		168.0902	168.0902	2.0400e-003		168.1412
Total	0.0471	0.0260	0.3513	1.6800e-003	0.2768	8.6000e-004	0.2777	0.0734	7.9000e-004	0.0742		168.0902	168.0902	2.0400e-003		168.1412

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962		3,978.2351	3,978.2351	0.1581		3,982.1866

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1263	5.3409	1.2856	0.0159	0.3952	4.8600e-003	0.4001	0.1139	4.6500e-003	0.1185		1,710.5426	1,710.5426	0.0920		1,712.8427
Worker	0.4538	0.2509	3.3879	0.0162	2.6693	8.2700e-003	2.6775	0.7079	7.6100e-003	0.7156		1,620.8696	1,620.8696	0.0197		1,621.3612

Total	0.58	5.5918	4.6734	0.0321	3.0645	0.0131	3.0776	0.8218	0.0123	0.8341		3,331.4122	3,331.4122	0.1117		3,334.2038

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866
Total	1.7802	10.0956	20.5875	0.0424		0.1962	0.1962		0.1962	0.1962	0.0000	3,978.2351	3,978.2351	0.1581		3,982.1866

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1263	5.3409	1.2856	0.0159	0.3952	4.8600e-003	0.4001	0.1139	4.6500e-003	0.1185		1,710.5426	1,710.5426	0.0920		1,712.8427
Worker	0.4538	0.2509	3.3879	0.0162	2.6693	8.2700e-003	2.6775	0.7079	7.6100e-003	0.7156		1,620.8696	1,620.8696	0.0197		1,621.3612
Total	0.5800	5.5918	4.6734	0.0321	3.0645	0.0131	3.0776	0.8218	0.0123	0.8341		3,331.4122	3,331.4122	0.1117		3,334.2038

3.6 Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606		3,680.0736	3,680.0736	0.1723		3,684.3817

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0336	0.0186	0.2510	1.2000e-003	0.1977	6.1000e-004	0.1983	0.0524	5.6000e-004	0.0530		120.0644	120.0644	1.4600e-003		120.1008
Total	0.0336	0.0186	0.2510	1.2000e-003	0.1977	6.10E-04	0.1983	0.0524	5.6000e-004	0.0530		120.0644	120.0644	1.4600e-003		120.1008

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9165	9.6348	21.8232	0.0389		0.4606	0.4606		0.4606	0.4606	0.0000	3,680.0736	3,680.0736	0.1723		3,684.3817

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0336	0.0186	0.2510	1.2000e-003	0.1977	6.1000e-004	0.1983	0.0524	5.6000e-004	0.0530		120.0644	120.0644	1.4600e-003		120.1008
Total	0.0336	0.0186	0.2510	1.2000e-003	0.1977	6.1000e-004	0.1983	0.0524	5.6000e-004	0.0530		120.0644	120.0644	1.4600e-003		120.1008

3.7 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0908	0.0502	0.6776	3.2500e-003	0.5339	1.6500e-003	0.5355	0.1416	1.5200e-003	0.1431		324.1739	324.1739	3.9300e-003		324.2722
Total	0.0908	0.0502	0.6776	3.2500e-003	0.5339	1.65E-03	0.5355	0.1416	1.5200e-003	0.1431		324.1739	324.1739	3.9300e-003		324.2722

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	246.9681					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	247.0989	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0908	0.0502	0.6776	3.2500e-003	0.5339	1.6500e-003	0.5355	0.1416	1.5200e-003	0.1431		324.1739	324.1739	3.9300e-003		324.2722
Total	0.0908	0.0502	0.6776	3.2500e-003	0.5339	1.6500e-003	0.5355	0.1416	1.5200e-003	0.1431		324.1739	324.1739	3.9300e-003		324.2722

Cal Poly MP Construction 2035 - San Luis Obispo County, Annual

Cal Poly MP Construction 2035

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0
Health Club	12.00	1000sqft	0.28	12,000.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	PhaseEndDate	1/26/2035	1/17/2035
tblConstructionPhase	PhaseEndDate	2/9/2035	1/26/2035
tblConstructionPhase	PhaseEndDate	3/23/2035	2/23/2035

tblConstructionPhase	PhaseEndDate	5/16/2036	11/26/2035
tblConstructionPhase	PhaseEndDate	6/13/2036	12/13/2035
tblConstructionPhase	PhaseEndDate	7/11/2036	12/31/2035
tblConstructionPhase	PhaseStartDate	1/27/2035	1/18/2035
tblConstructionPhase	PhaseStartDate	2/10/2035	1/27/2035
tblConstructionPhase	PhaseStartDate	3/24/2035	2/24/2035
tblConstructionPhase	PhaseStartDate	5/17/2036	11/27/2035
tblConstructionPhase	PhaseStartDate	6/14/2036	12/13/2035
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	tons/yr										MT/yr					
2035	1.8544	1.7017	3.1350	9.0800e-003	0.5584	0.0228	0.5812	0.1994	0.0228	0.2221	0.0000	808.0513	808.0513	0.0292	0.0000	808.7822
Maximum	1.8544	1.7017	3.1350	9.0800e-003	0.5584	0.0228	0.5812	0.1994	0.0228	0.2221	0.0000	808.0513	808.0513	0.0292	0.0000	808.7822

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2035	1.8544	1.7017	3.1350	9.0800e-003	0.5584	0.0228	0.5812	0.1994	0.0228	0.2221	0.0000	808.0507	808.0507	0.0292	0.0000	808.7816
Maximum	1.8544	1.7017	3.1350	9.0800e-003	0.5584	0.0228	0.5812	0.1994	0.0228	0.2221	0.0000	808.0507	808.0507	0.0292	0.0000	808.7816

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2035	3-31-2035	0.5136	0.5136
2	4-1-2035	6-30-2035	0.5381	0.5381
3	7-1-2035	9-30-2035	0.5441	0.5441
		Highest	0.5441	0.5441

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2035	1/17/2035	5	13	
2	Site Preparation	Site Preparation	1/18/2035	1/26/2035	5	7	
3	Grading	Grading	1/27/2035	2/23/2035	5	20	
4	Building Construction	Building Construction	2/24/2035	11/26/2035	5	196	
5	Paving	Paving	11/27/2035	12/13/2035	5	13	
6	Architectural Coating	Architectural Coating	12/13/2035	12/31/2035	5	13	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 212,102; Non-Residential Outdoor: 70,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	266.00	83.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	53.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.0610	0.1590	4.1000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	35.2071	35.2071	1.3100e-003	0.0000	35.2398
Total	0.0165	0.0610	0.1590	4.1000e-004	0.0154	2.1000e-003	0.0175	2.3300e-003	2.1000e-003	4.4300e-003	0.0000	35.2071	35.2071	1.3100e-003	0.0000	35.2398

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.4200e-003	3.8000e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8088	4.8088	3.4000e-004	0.0000	4.8172
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.4700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6706	0.6706	1.0000e-005	0.0000	0.6708
Total	5.2000e-004	9.5500e-003	5.2700e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.4794	5.4794	3.5000e-004	0.0000	5.4879

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0165	0.0610	0.1590	4.1000e-004		2.1000e-003	2.1000e-003		2.1000e-003	2.1000e-003	0.0000	35.2071	35.2071	1.3100e-003	0.0000	35.2397
Total	0.0165	0.0610	0.1590	4.1000e-004	0.0154	2.1000e-003	0.0175	2.3300e-003	2.1000e-003	4.4300e-003	0.0000	35.2071	35.2071	1.3100e-003	0.0000	35.2397

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	3.1000e-004	9.4200e-003	3.8000e-003	5.0000e-005	1.1800e-003	2.0000e-005	1.2000e-003	3.2000e-004	2.0000e-005	3.4000e-004	0.0000	4.8088	4.8088	3.4000e-004	0.0000	4.8172
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.4700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6706	0.6706	1.0000e-005	0.0000	0.6708
Total	5.2000e-004	9.5500e-003	5.2700e-003	6.0000e-005	2.4300e-003	2.0000e-005	2.4600e-003	6.5000e-004	2.0000e-005	6.8000e-004	0.0000	5.4794	5.4794	3.5000e-004	0.0000	5.4879

3.3 Site Preparation - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8400e-003	0.0462	0.0718	2.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	18.2881	18.2881	7.8000e-004	0.0000	18.3077
Total	9.8400e-003	0.0462	0.0718	2.1000e-004	0.0843	1.3400e-003	0.0857	0.0463	1.3400e-003	0.0477	0.0000	18.2881	18.2881	7.8000e-004	0.0000	18.3077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	8.0000e-005	9.1000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4152	0.4152	0.0000	0.0000	0.4154

Total	1.3000e-004	8.0000e-005	9.1000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4152	0.4152	0.0000	0.0000	0.4154

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0843	0.0000	0.0843	0.0463	0.0000	0.0463	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8400e-003	0.0462	0.0718	2.1000e-004		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003	0.0000	18.2881	18.2881	7.8000e-004	0.0000	18.3077
Total	9.8400e-003	0.0462	0.0718	2.1000e-004	0.0843	1.3400e-003	0.0857	0.0463	1.3400e-003	0.0477	0.0000	18.2881	18.2881	7.8000e-004	0.0000	18.3077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	8.0000e-005	9.1000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4152	0.4152	0.0000	0.0000	0.4154
Total	1.3000e-004	8.0000e-005	9.1000e-004	0.0000	7.7000e-004	0.0000	7.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4152	0.4152	0.0000	0.0000	0.4154

3.4 Grading - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0388	0.1269	0.2982	9.5000e-004		4.3200e-003	4.3200e-003		4.3200e-003	4.3200e-003	0.0000	86.8507	86.8507	3.0900e-003	0.0000	86.9279
Total	0.0388	0.1269	0.2982	9.5000e-004	0.1602	4.3200e-003	0.1645	0.0705	4.3200e-003	0.0748	0.0000	86.8507	86.8507	3.0900e-003	0.0000	86.9279

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	2.7000e-004	3.1700e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4443	1.4443	2.0000e-005	0.0000	1.4447
Total	4.6000e-004	2.7000e-004	3.1700e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4443	1.4443	2.0000e-005	0.0000	1.4447

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.1602	0.0000	0.1602	0.0705	0.0000	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0388	0.1269	0.2982	9.5000e-004		4.3200e-003	4.3200e-003		4.3200e-003	4.3200e-003	0.0000	86.8506	86.8506	3.0900e-003	0.0000	86.9278
Total	0.0388	0.1269	0.2982	9.5000e-004	0.1602	4.3200e-003	0.1645	0.0705	4.3200e-003	0.0748	0.0000	86.8506	86.8506	3.0900e-003	0.0000	86.9278

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	2.7000e-004	3.1700e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4443	1.4443	2.0000e-005	0.0000	1.4447
Total	4.6000e-004	2.7000e-004	3.1700e-003	2.0000e-005	2.7000e-003	1.0000e-005	2.7000e-003	7.2000e-004	1.0000e-005	7.2000e-004	0.0000	1.4443	1.4443	2.0000e-005	0.0000	1.4447

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1623	0.8773	2.0129	4.1500e-003		0.0121	0.0121		0.0121	0.0121	0.0000	353.6814	353.6814	0.0131	0.0000	354.0077
Total	0.1623	0.8773	2.0129	4.1500e-003		0.0121	0.0121		0.0121	0.0121	0.0000	353.6814	353.6814	0.0131	0.0000	354.0077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0123	0.5080	0.1301	1.5000e-003	0.0370	4.6000e-004	0.0375	0.0107	4.4000e-004	0.0111	0.0000	146.4124	146.4124	8.2100e-003	0.0000	146.6175
Worker	0.0428	0.0253	0.2950	1.4800e-003	0.2510	7.5000e-004	0.2517	0.0667	6.9000e-004	0.0674	0.0000	134.4652	134.4652	1.5200e-003	0.0000	134.5031
Total	0.0551	0.5333	0.4251	2.9800e-003	0.2880	1.2100e-003	0.2892	0.0774	1.1300e-003	0.0785	0.0000	280.8776	280.8776	9.7300e-003	0.0000	281.1206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1623	0.8773	2.0129	4.1500e-003		0.0121	0.0121		0.0121	0.0121	0.0000	353.6810	353.6810	0.0131	0.0000	354.0073
Total	0.1623	0.8773	2.0129	4.1500e-003		0.0121	0.0121		0.0121	0.0121	0.0000	353.6810	353.6810	0.0131	0.0000	354.0073

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0123	0.5080	0.1301	1.5000e-003	0.0370	4.6000e-004	0.0375	0.0107	4.4000e-004	0.0111	0.0000	146.4124	146.4124	8.2100e-003	0.0000	146.6175
Worker	0.0428	0.0253	0.2950	1.4800e-003	0.2510	7.5000e-004	0.2517	0.0667	6.9000e-004	0.0674	0.0000	134.4652	134.4652	1.5200e-003	0.0000	134.5031
Total	0.0551	0.5333	0.4251	2.9800e-003	0.2880	1.2100e-003	0.2892	0.0774	1.1300e-003	0.0785	0.0000	280.8776	280.8776	9.7300e-003	0.0000	281.1206

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.0418	0.1416	2.5000e-004		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	21.7003	21.7003	8.3000e-004	0.0000	21.7211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.0418	0.1416	2.5000e-004		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	21.7003	21.7003	8.3000e-004	0.0000	21.7211

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.4700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6706	0.6706	1.0000e-005	0.0000	0.6708

Total	2.1000e-004	1.3000e-004	1.4700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6706	0.6706	1.0000e-005	0.0000	0.6708

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.0418	0.1416	2.5000e-004		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	21.7003	21.7003	8.3000e-004	0.0000	21.7211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0102	0.0418	0.1416	2.5000e-004		1.7100e-003	1.7100e-003		1.7100e-003	1.7100e-003	0.0000	21.7003	21.7003	8.3000e-004	0.0000	21.7211

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	1.3000e-004	1.4700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6706	0.6706	1.0000e-005	0.0000	0.6708
Total	2.1000e-004	1.3000e-004	1.4700e-003	1.0000e-005	1.2500e-003	0.0000	1.2600e-003	3.3000e-004	0.0000	3.4000e-004	0.0000	0.6706	0.6706	1.0000e-005	0.0000	0.6708

3.7 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	4.9300e-003	0.0117	2.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	1.6596	1.6596	6.0000e-005	0.0000	1.6612
Total	1.5597	4.9300e-003	0.0117	2.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	1.6596	1.6596	6.0000e-005	0.0000	1.6612

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	3.3000e-004	3.9000e-003	2.0000e-005	3.3200e-003	1.0000e-005	3.3300e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	1.7770	1.7770	2.0000e-005	0.0000	1.7775
Total	5.7000e-004	3.3000e-004	3.9000e-003	2.0000e-005	3.3200e-003	1.0000e-005	3.3300e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	1.7770	1.7770	2.0000e-005	0.0000	1.7775

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	1.5589					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7000e-004	4.9300e-003	0.0117	2.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	1.6596	1.6596	6.0000e-005	0.0000	1.6612
Total	1.5597	4.9300e-003	0.0117	2.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	1.6596	1.6596	6.0000e-005	0.0000	1.6612

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	3.3000e-004	3.9000e-003	2.0000e-005	3.3200e-003	1.0000e-005	3.3300e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	1.7770	1.7770	2.0000e-005	0.0000	1.7775
Total	5.7000e-004	3.3000e-004	3.9000e-003	2.0000e-005	3.3200e-003	1.0000e-005	3.3300e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	1.7770	1.7770	2.0000e-005	0.0000	1.7775

Cal Poly MP Construction 2035 - San Luis Obispo County, Summer

Cal Poly MP Construction 2035

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	116.33	1000sqft	2.67	116,333.00	0
Unenclosed Parking with Elevator	30.00	Space	0.27	12,000.00	0
Health Club	12.00	1000sqft	0.28	12,000.00	0
Apartments Mid Rise	144.00	Dwelling Unit	3.79	144,000.00	412
Arena	0.30	Acre	0.30	13,068.00	0
City Park	2.70	Acre	2.70	117,612.00	0
City Park	2.80	Acre	2.80	121,968.00	0
City Park	0.50	Acre	0.50	21,780.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2040
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land uses match appendix

Construction Phase - Construction schedule adjusted proportionally to fit in a 1-year timeframe

Off-road Equipment -

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Off-road Equipment - Number of equipment scaled up by 35% to account for schedule adjustment

Demolition -

Architectural Coating - SLOAPCD Rule 433 limits flat coatings to 100 g/L

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	100.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	10.00	7.00
tblConstructionPhase	NumDays	30.00	20.00
tblConstructionPhase	NumDays	300.00	196.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	NumDays	20.00	13.00
tblConstructionPhase	PhaseEndDate	1/26/2035	1/17/2035
tblConstructionPhase	PhaseEndDate	2/9/2035	1/26/2035
tblConstructionPhase	PhaseEndDate	3/23/2035	2/23/2035

tblConstructionPhase	PhaseEndDate	5/16/2036	11/26/2035
tblConstructionPhase	PhaseEndDate	6/13/2036	12/13/2035
tblConstructionPhase	PhaseEndDate	7/11/2036	12/31/2035
tblConstructionPhase	PhaseStartDate	1/27/2035	1/18/2035
tblConstructionPhase	PhaseStartDate	2/10/2035	1/27/2035
tblConstructionPhase	PhaseStartDate	3/24/2035	2/24/2035
tblConstructionPhase	PhaseStartDate	5/17/2036	11/27/2035
tblConstructionPhase	PhaseStartDate	6/14/2036	12/13/2035
tblGrading	AcresOfGrading	60.00	75.00
tblLandUse	LandUseSquareFeet	116,330.00	116,333.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	5.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2035	241.6433	14.3592	30.1569	0.0965	24.3157	0.4327	24.7003	13.3012	0.4326	13.6858	0.0000	9,739.3794	9,739.3794	0.3424	0.0000	9,747.9390
Maximum	241.6433	14.3592	30.1569	0.0965	24.3157	0.4327	24.7003	13.3012	0.4326	13.6858	0.0000	9,739.3794	9,739.3794	0.3424	0.0000	9,747.9390

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2035	241.6433	14.3592	30.1569	0.0965	24.3157	0.4327	24.7003	13.3012	0.4326	13.6858	0.0000	9,739.3794	9,739.3794	0.3424	0.0000	9,747.9390
Maximum	241.6433	14.3592	30.1569	0.0965	24.3157	0.4327	24.7003	13.3012	0.4326	13.6858	0.0000	9,739.3794	9,739.3794	0.3424	0.0000	9,747.9390

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2035	1/17/2035	5	13	
2	Site Preparation	Site Preparation	1/18/2035	1/26/2035	5	7	
3	Grading	Grading	1/27/2035	2/23/2035	5	20	

4	Building Construction	Building Construction	2/24/2035	11/26/2035	5	196
5	Paving	Paving	11/27/2035	12/13/2035	5	13
6	Architectural Coating	Architectural Coating	12/13/2035	12/31/2035	5	13

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0.27

Residential Indoor: 291,600; Residential Outdoor: 97,200; Non-Residential Indoor: 212,102; Non-Residential Outdoor: 70,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	4	8.00	158	0.38
Demolition	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	4	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	5	8.00	97	0.37
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	2	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	2	7.00	231	0.29
Building Construction	Forklifts	4	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	3	8.00	130	0.42
Paving	Paving Equipment	3	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	138.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	9	23.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	11	28.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	12	266.00	83.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	53.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.5381	9.3898	24.4669	0.0630		0.3228	0.3228		0.3228	0.3228		5,970.6477	5,970.6477	0.2215		5,976.1844
Total	2.5381	9.3898	24.4669	0.0630	2.3709	0.3228	2.6936	0.3590	0.3228	0.6818		5,970.6477	5,970.6477	0.2215		5,976.1844

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0464	1.4348	0.5743	7.4800e-003	0.1859	2.7900e-003	0.1887	0.0510	2.6700e-003	0.0537		821.1133	821.1133	0.0563		822.5212
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0175	0.2387	1.1900e-003	0.1977	5.8000e-004	0.1983	0.0524	5.3000e-004	0.0530		118.3781	118.3781	1.3400e-003		118.4117
Total	0.0781	1.4523	0.8129	8.6700e-003	0.3836	3.3700e-003	0.3870	0.1034	3.2000e-003	0.1066		939.4914	939.4914	0.0577		940.9329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3709	0.0000	2.3709	0.3590	0.0000	0.3590			0.0000			0.0000
Off-Road	2.5381	9.3898	24.4669	0.0630		0.3228	0.3228		0.3228	0.3228	0.0000	5,970.6477	5,970.6477	0.2215		5,976.1844
Total	2.5381	9.3898	24.4669	0.0630	2.3709	0.3228	2.6936	0.3590	0.3228	0.6818	0.0000	5,970.6477	5,970.6477	0.2215		5,976.1844

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0464	1.4348	0.5743	7.4800e-003	0.1859	2.7900e-003	0.1887	0.0510	2.6700e-003	0.0537		821.1133	821.1133	0.0563		822.5212
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0175	0.2387	1.1900e-003	0.1977	5.8000e-004	0.1983	0.0524	5.3000e-004	0.0530		118.3781	118.3781	1.3400e-003		118.4117

Total	0.0781	1.4523	0.8129	8.6700e-003	0.3836	3.3700e-003	0.3870	0.1034	3.2000e-003	0.1066		939.4914	939.4914	0.0577		940.9329

3.3 Site Preparation - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	2.8100	13.1990	20.5161	0.0608		0.3839	0.3839		0.3839	0.3839		5,759.7622	5,759.7622	0.2471		5,765.9383
Total	2.8100	13.1990	20.5161	0.0608	24.0883	0.3839	24.4723	13.2409	0.3839	13.6248		5,759.7622	5,759.7622	0.2471		5,765.9383

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	0.0201	0.2745	1.3600e-003	0.2274	6.6000e-004	0.2280	0.0603	6.1000e-004	0.0609		136.1348	136.1348	1.5400e-003		136.1735
Total	0.0364	0.0201	0.2745	1.3600e-003	0.2274	6.6000e-004	0.2280	0.0603	6.1000e-004	0.0609		136.1348	136.1348	1.5400e-003		136.1735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					24.0883	0.0000	24.0883	13.2409	0.0000	13.2409			0.0000			0.0000
Off-Road	2.8100	13.1990	20.5161	0.0608		0.3839	0.3839		0.3839	0.3839	0.0000	5,759.7621	5,759.7621	0.2471		5,765.9383
Total	2.8100	13.1990	20.5161	0.0608	24.0883	0.3839	24.4723	13.2409	0.3839	13.6248	0.0000	5,759.7621	5,759.7621	0.2471		5,765.9383

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0364	0.0201	0.2745	1.3600e-003	0.2274	6.6000e-004	0.2280	0.0603	6.1000e-004	0.0609		136.1348	136.1348	1.5400e-003		136.1735
Total	0.0364	0.0201	0.2745	1.3600e-003	0.2274	6.6000e-004	0.2280	0.0603	6.1000e-004	0.0609		136.1348	136.1348	1.5400e-003		136.1735

3.4 Grading - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	3.8836	12.6882	29.8227	0.0949		0.4319	0.4319		0.4319	0.4319		9,573.6500	9,573.6500	0.3405		9,582.1626
Total	3.8836	12.6882	29.8227	0.0949	16.0211	0.4319	16.4530	7.0499	0.4319	7.4818		9,573.6500	9,573.6500	0.3405		9,582.1626

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0245	0.3342	1.6600e-003	0.2768	8.1000e-004	0.2776	0.0734	7.4000e-004	0.0742		165.7294	165.7294	1.8800e-003		165.7764
Total	0.0444	0.0245	0.3342	1.6600e-003	0.2768	8.1000e-004	0.2776	0.0734	7.4000e-004	0.0742		165.7294	165.7294	1.8800e-003		165.7764

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.0211	0.0000	16.0211	7.0499	0.0000	7.0499			0.0000			0.0000
Off-Road	3.8836	12.6882	29.8227	0.0949		0.4319	0.4319		0.4319	0.4319	0.0000	9,573.6500	9,573.6500	0.3405		9,582.1626
Total	3.8836	12.6882	29.8227	0.0949	16.0211	0.4319	16.4530	7.0499	0.4319	7.4818	0.0000	9,573.6500	9,573.6500	0.3405		9,582.1626

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0245	0.3342	1.6600e-003	0.2768	8.1000e-004	0.2776	0.0734	7.4000e-004	0.0742		165.7294	165.7294	1.8800e-003		165.7764
Total	0.0444	0.0245	0.3342	1.6600e-003	0.2768	8.1000e-004	0.2776	0.0734	7.4000e-004	0.0742		165.7294	165.7294	1.8800e-003		165.7764

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6559	8.9517	20.5393	0.0424		0.1231	0.1231		0.1231	0.1231		3,978.2351	3,978.2351	0.1468		3,981.9052
Total	1.6559	8.9517	20.5393	0.0424		0.1231	0.1231		0.1231	0.1231		3,978.2351	3,978.2351	0.1468		3,981.9052

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1219	5.1750	1.2458	0.0155	0.3860	4.6000e-003	0.3906	0.1112	4.4000e-003	0.1156		1,669.5914	1,669.5914	0.0897		1,671.8349
Worker	0.4214	0.2324	3.1746	0.0158	2.6297	7.6500e-003	2.6374	0.6975	7.0400e-003	0.7045		1,574.4290	1,574.4290	0.0179		1,574.8756
Total	0.5433	5.4074	4.4204	0.0313	3.0157	0.0123	3.0279	0.8087	0.0114	0.8201		3,244.0204	3,244.0204	0.1076		3,246.7105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6559	8.9517	20.5393	0.0424		0.1231	0.1231		0.1231	0.1231	0.0000	3,978.2351	3,978.2351	0.1468		3,981.9052
Total	1.6559	8.9517	20.5393	0.0424		0.1231	0.1231		0.1231	0.1231	0.0000	3,978.2351	3,978.2351	0.1468		3,981.9052

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1219	5.1750	1.2458	0.0155	0.3860	4.6000e-003	0.3906	0.1112	4.4000e-003	0.1156		1,669.5914	1,669.5914	0.0897		1,671.8349
Worker	0.4214	0.2324	3.1746	0.0158	2.6297	7.6500e-003	2.6374	0.6975	7.0400e-003	0.7045		1,574.4290	1,574.4290	0.0179		1,574.8756

Total	0.5433	5.4074	4.4204	0.0313	3.0157	0.0123	3.0279	0.8087	0.0114	0.8201		3,244.0204	3,244.0204	0.1076		3,246.7105

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5724	6.4295	21.7847	0.0389		0.2623	0.2623		0.2623	0.2623		3,680.0736	3,680.0736	0.1410		3,683.5991
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5724	6.4295	21.7847	0.0389		0.2623	0.2623		0.2623	0.2623		3,680.0736	3,680.0736	0.1410		3,683.5991

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0175	0.2387	1.1900e-003	0.1977	5.8000e-004	0.1983	0.0524	5.3000e-004	0.0530		118.3781	118.3781	1.3400e-003		118.4117
Total	0.0317	0.0175	0.2387	1.1900e-003	0.1977	5.8000e-004	0.1983	0.0524	5.3000e-004	0.0530		118.3781	118.3781	1.3400e-003		118.4117

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5724	6.4295	21.7847	0.0389		0.2623	0.2623		0.2623	0.2623	0.0000	3,680.0736	3,680.0736	0.1410		3,683.5991
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5724	6.4295	21.7847	0.0389		0.2623	0.2623		0.2623	0.2623	0.0000	3,680.0736	3,680.0736	0.1410		3,683.5991

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0317	0.0175	0.2387	1.1900e-003	0.1977	5.8000e-004	0.1983	0.0524	5.3000e-004	0.0530		118.3781	118.3781	1.3400e-003		118.4117
Total	0.0317	0.0175	0.2387	1.1900e-003	0.1977	5.8000e-004	0.1983	0.0524	5.3000e-004	0.0530		118.3781	118.3781	1.3400e-003		118.4117

3.7 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	239.8374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	239.9552	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0840	0.0463	0.6325	3.1400e-003	0.5240	1.5200e-003	0.5255	0.1390	1.4000e-003	0.1404		313.7020	313.7020	3.5600e-003		313.7910
Total	0.0840	0.0463	0.6325	3.1400e-003	0.5240	1.5200e-003	0.5255	0.1390	1.4000e-003	0.1404		313.7020	313.7020	3.5600e-003		313.7910

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	239.8374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	239.9552	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.7081

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0840	0.0463	0.6325	3.1400e-003	0.5240	1.5200e-003	0.5255	0.1390	1.4000e-003	0.1404		313.7020	313.7020	3.5600e-003		313.7910
Total	0.0840	0.0463	0.6325	3.1400e-003	0.5240	1.5200e-003	0.5255	0.1390	1.4000e-003	0.1404		313.7020	313.7020	3.5600e-003		313.7910

Cal Poly MP Operation 2035 - San Luis Obispo County, Annual

Cal Poly MP Operation 2035

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	930.80	1000sqft	21.37	930,800.00	0
Medical Office Building	65.00	1000sqft	1.49	65,000.00	0
Office Park	125.00	1000sqft	2.87	125,000.00	0
General Heavy Industry	14.10	1000sqft	0.32	14,100.00	0
General Light Industry	169.20	1000sqft	3.88	169,200.00	0
Unenclosed Parking with Elevator	706.00	Space	6.35	282,400.00	0
Arena	1.90	Acre	1.90	82,764.00	0
City Park	19.10	Acre	19.10	831,996.00	0
Health Club	134.00	1000sqft	3.08	134,000.00	0
Apartments Mid Rise	2,540.00	Dwelling Unit	66.84	2,540,000.00	7264
Congregate Care (Assisted Living)	80.00	Dwelling Unit	5.00	80,000.00	229
Retirement Community	120.00	Dwelling Unit	24.00	120,000.00	343
Convenience Market (24 Hour)	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				

CO2 Intensity
(lb/MW hr)

118.56

CH4 Intensity
(lb/MW hr)

0.02

N2O Intensity
(lb/MW hr)

0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E intensity factors adjusted for 2030 RPS compliance (60%)

Land Use -

Vehicle Trips - Mobile sources modeled separately

Energy Use - Nonresidential and residential above 3 stories assumed to comply with 2019 California Energy Code, which reduces consumption by 30%

Water And Wastewater - Total new water demand would be 400 AFY per Project Description = 130,000,000 gallons/year

Solid Waste - Total waste generated by project in 2035 anticipated to be 1,094 from Section 3.14

Area Mitigation - Low VOC paint 50 g/L for residential, nonresidential, and parking. All electric landscaping equipment

Energy Mitigation - Energy efficient appliances in residential units

Water Mitigation -

Waste Mitigation - Based on Cal Poly's 2018 waste stream, 41% was diverted (compost, recycling, donated, resold). Assuming same diversion rate.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblEnergyUse	T24E	332.81	232.97
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	332.81	232.97
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	6.11	4.28
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	6.11	4.28

tblEnergyUse	T24E	7.28	5.10
tblEnergyUse	T24E	365.68	255.98
tblEnergyUse	T24NG	5,484.45	3,839.11
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	5,484.45	3,839.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	19.71	13.98
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	21.04	14.73
tblEnergyUse	T24NG	7,043.85	7,200.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	118.56
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblSolidWaste	SolidWasteGenerationRate	1,168.40	1,094.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	17.48	0.00
tblSolidWaste	SolidWasteGenerationRate	209.81	0.00
tblSolidWaste	SolidWasteGenerationRate	865.64	0.00
tblSolidWaste	SolidWasteGenerationRate	846.45	0.00
tblSolidWaste	SolidWasteGenerationRate	702.00	0.00
tblSolidWaste	SolidWasteGenerationRate	116.25	0.00
tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00

tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	863.10	0.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.64	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	758.45	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	0.76	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	737.99	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	36.13	0.00

tblVehicleTrips	WD_TR	11.42	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	165,491,225.08	130,000,000.00
tblWater	IndoorWaterUseRate	2,557,697.57	0.00
tblWater	IndoorWaterUseRate	5,212,322.05	0.00
tblWater	IndoorWaterUseRate	518,507.65	0.00
tblWater	IndoorWaterUseRate	3,260,625.00	0.00
tblWater	IndoorWaterUseRate	39,127,500.00	0.00
tblWater	IndoorWaterUseRate	165,434,572.63	0.00
tblWater	IndoorWaterUseRate	8,782,756.89	0.00
tblWater	IndoorWaterUseRate	8,156,234.94	0.00
tblWater	IndoorWaterUseRate	22,216,718.50	0.00
tblWater	IndoorWaterUseRate	7,818,483.07	0.00
tblWater	OutdoorWaterUseRate	104,331,424.51	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	22,757,293.78	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	101,395,383.23	0.00
tblWater	OutdoorWaterUseRate	5,382,980.03	0.00
tblWater	OutdoorWaterUseRate	1,553,568.56	0.00
tblWater	OutdoorWaterUseRate	13,616,698.43	0.00
tblWater	OutdoorWaterUseRate	4,929,043.68	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.8882	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527
Energy	0.2215	1.9559	1.2693	0.0121		0.1530	0.1530		0.1530	0.1530	0.0000	3,963.1452	3,963.1452	0.3408	0.0701	3,992.5444
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	222.0721	0.0000	222.0721	13.1241	0.0000	550.1743
Water						0.0000	0.0000		0.0000	0.0000	41.2430	37.8290	79.0720	4.2424	0.1007	215.1297
Total	24.1097	2.3851	38.4734	0.0141	0.0000	0.3600	0.3600	0.0000	0.3600	0.3600	263.3151	4,061.9724	4,325.2875	17.7655	0.1707	4,820.3010

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.5017	0.3414	28.2591	1.2800e-003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335
Energy	0.2215	1.9559	1.2693	0.0121		0.1530	0.1530		0.1530	0.1530	0.0000	3,947.9402	3,947.9402	0.3382	0.0698	3,977.1987
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	131.0226	0.0000	131.0226	7.7432	0.0000	324.6028
Water						0.0000	0.0000		0.0000	0.0000	32.9944	30.2632	63.2576	3.3940	0.0805	172.1037
Total	18.7232	2.2973	29.5284	0.0134	0.0000	0.3074	0.3074	0.0000	0.3074	0.3074	164.0170	4,020.8755	4,184.8925	11.5058	0.1503	4,517.3388

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	22.34	3.68	23.25	4.91	0.00	14.61	14.61	0.00	14.61	14.61	37.71	1.01	3.25	35.23	11.94	6.29

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Office Park	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Arena	13.00	5.00	5.00	0.00	81.00	19.00	66	28	6
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted Living)	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Convenience Market (24 Hour)	13.00	5.00	5.00	0.90	80.10	19.00	24	15	61
General Heavy Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3
General Light Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Health Club	13.00	5.00	5.00	16.90	64.10	19.00	52	39	9
Medical Office Building	13.00	5.00	5.00	29.60	51.40	19.00	60	30	10
Office Park	13.00	5.00	5.00	33.00	48.00	19.00	82	15	3
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Unenclosed Parking with Elevator	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Arena	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
City Park	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Congregate Care (Assisted Living)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Convenience Market (24 Hour)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Heavy Industry	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Light Industry	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Office Building	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Health Club	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Medical Office Building	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Office Park	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Retirement Community	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Unenclosed Parking with Elevator	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600

Congregate Care (Assisted Living)	559529	3.0200e-003	0.0258	0.0110	1.6000e-004		2.0800e-003	2.0800e-003		2.0800e-003	2.0800e-003	0.0000	29.8586	29.8586	5.7000e-004	5.5000e-004	30.0360
Convenience Market (24 Hour)	11620	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6201	0.6201	1.0000e-005	1.0000e-005	0.6238
General Heavy Industry	288627	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4022	15.4022	3.0000e-004	2.8000e-004	15.4938
General Light Industry	3.46352e+006	0.0187	0.1698	0.1426	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	184.8268	184.8268	3.5400e-003	3.3900e-003	185.9252
General Office Building	1.06856e+007	0.0576	0.5238	0.4400	3.1400e-003		0.0398	0.0398		0.0398	0.0398	0.0000	570.2235	570.2235	0.0109	0.0105	573.6120
Health Club	2.7671e+006	0.0149	0.1356	0.1139	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.6630	147.6630	2.8300e-003	2.7100e-003	148.5405
Medical Office Building	746200	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	39.8201	39.8201	7.6000e-004	7.3000e-004	40.0567
Office Park	1.85125e+006	9.9800e-003	0.0908	0.0762	5.4000e-004		6.9000e-003	6.9000e-003		6.9000e-003	6.9000e-003	0.0000	98.7898	98.7898	1.8900e-003	1.8100e-003	99.3768
Retirement Community	1.2426e+006	6.7000e-003	0.0573	0.0244	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3099	66.3099	1.2700e-003	1.2200e-003	66.7039
Unenclosed Parking with Electric Vehicle	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2215	1.9560	1.2693	0.0121		0.1530	0.1530		0.1530	0.1530	0.0000	2,191.9319	2,191.9319	0.0420	0.0402	2,204.9574

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.7765e+007	0.0958	0.8186	0.3483	5.2300e-003		0.0662	0.0662		0.0662	0.0662	0.0000	948.0102	948.0102	0.0182	0.0174	953.6437
Arena	1.69418e+006	9.1400e-003	0.0831	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003	0.0000	90.4079	90.4079	1.7300e-003	1.6600e-003	90.9451
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	559529	3.0200e-003	0.0258	0.0110	1.6000e-004		2.0800e-003	2.0800e-003		2.0800e-003	2.0800e-003	0.0000	29.8586	29.8586	5.7000e-004	5.5000e-004	30.0360
Convenience Market (24 Hour)	11620	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.6201	0.6201	1.0000e-005	1.0000e-005	0.6238
General Heavy Industry	288627	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4022	15.4022	3.0000e-004	2.8000e-004	15.4938

General Light Industry	3.46352e+006	0.0187	0.1698	0.1426	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	184.8268	184.8268	3.5400e-003	3.3900e-003	185.9252
General Office Building	1.06856e+007	0.0576	0.5238	0.4400	3.1400e-003		0.0398	0.0398		0.0398	0.0398	0.0000	570.2235	570.2235	0.0109	0.0105	573.6120
Health Club	2.7671e+006	0.0149	0.1356	0.1139	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.6630	147.6630	2.8300e-003	2.7100e-003	148.5405
Medical Office Building	746200	4.0200e-003	0.0366	0.0307	2.2000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	39.8201	39.8201	7.6000e-004	7.3000e-004	40.0567
Office Park	1.85125e+006	9.9800e-003	0.0908	0.0762	5.4000e-004		6.9000e-003	6.9000e-003		6.9000e-003	6.9000e-003	0.0000	98.7898	98.7898	1.8900e-003	1.8100e-003	99.3768
Retirement Community	1.2426e+006	6.7000e-003	0.0573	0.0244	3.7000e-004		4.6300e-003	4.6300e-003		4.6300e-003	4.6300e-003	0.0000	66.3099	66.3099	1.2700e-003	1.2200e-003	66.7039
Unenclosed Parking with Electric	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2215	1.9560	1.2693	0.0121		0.1530	0.1530		0.1530	0.1530	0.0000	2,191.9319	2,191.9319	0.0420	0.0402	2,204.9574

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.02324e+007	550.2779	0.0928	9.2800e-003	555.3648
Arena	647214	34.8058	5.8700e-003	5.9000e-004	35.1276
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	322281	17.3316	2.9200e-003	2.9000e-004	17.4918
Convenience Market (24 Hour)	69020	3.7118	6.3000e-004	6.0000e-005	3.7461
General Heavy Industry	110262	5.9297	1.0000e-003	1.0000e-004	5.9845
General Light Industry	1.32314e+006	71.1559	0.0120	1.2000e-003	71.8137
General Office Building	1.48928e+007	800.9037	0.1351	0.0135	808.3074
Health Club	1.04788e+006	56.3528	9.5100e-003	9.5000e-004	56.8737

Medical Office Building	1.04e+006	55.9290	9.4300e-003	9.4000e-004	56.4461
Office Park	2.17125e+006	116.7653	0.0197	1.9700e-003	117.8447
Retirement Community	531581	28.5873	4.8200e-003	4.8000e-004	28.8516
Unenclosed Parking with Electric	547856	29.4626	4.9700e-003	5.0000e-004	29.7349
Total		1,771.2134	0.2988	0.0299	1,787.5869

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	9.96277e+006	535.7772	0.0904	9.0400e-003	540.7301
Arena	647214	34.8058	5.8700e-003	5.9000e-004	35.1276
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	322281	17.3316	2.9200e-003	2.9000e-004	17.4918
Convenience Market (24 Hour)	69020	3.7118	6.3000e-004	6.0000e-005	3.7461
General Heavy Industry	110262	5.9297	1.0000e-003	1.0000e-004	5.9845
General Light Industry	1.32314e+006	71.1559	0.0120	1.2000e-003	71.8137
General Office Building	1.48928e+007	800.9037	0.1351	0.0135	808.3074
Health Club	1.04788e+006	56.3528	9.5100e-003	9.5000e-004	56.8737
Medical Office Building	1.04e+006	55.9290	9.4300e-003	9.4000e-004	56.4461
Office Park	2.17125e+006	116.7653	0.0197	1.9700e-003	117.8447
Retirement Community	518484	27.8830	4.7000e-003	4.7000e-004	28.1407

Unenclosed Parking with Electric	547856	29.4626	4.9700e- 003	5.0000e- 004	29.7349
Total		1,756.0083	0.2962	0.0296	1,772.2413

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.5017	0.3414	28.2591	1.2800e- 003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335
Unmitigated	23.8882	0.4291	37.2041	1.9700e- 003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.0793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.6942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1146	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527
Total	23.8882	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.2167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.6942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5909	0.3414	28.2591	1.2800e-003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335
Total	18.5017	0.3414	28.2591	1.2800e-003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet

Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	63.2576	3.3940	0.0805	172.1037
Unmitigated	79.0720	4.2424	0.1007	215.1297

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	130 / 0	79.0720	4.2424	0.1007	215.1297
Arena	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000

Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Office Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Plantings	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		79.0720	4.2424	0.1007	215.1297

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	104 / 0	63.2576	3.3940	0.0805	172.1037
Arena	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Office Park	0 / 0	0.0000	0.0000	0.0000	0.0000

Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Electric	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		63.2576	3.3940	0.0805	172.1037

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	131.0226	7.7432	0.0000	324.6028
Unmitigated	222.0721	13.1241	0.0000	550.1743

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	1094	222.0721	13.1241	0.0000	550.1743
Arena	0	0.0000	0.0000	0.0000	0.0000

City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Office Park	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Electricity	0	0.0000	0.0000	0.0000	0.0000
Total		222.0721	13.1241	0.0000	550.1743

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	645.46	131.0226	7.7432	0.0000	324.6028
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000

General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Office Park	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevators	0	0.0000	0.0000	0.0000	0.0000
Total		131.0226	7.7432	0.0000	324.6028

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Cal Poly MP Operation 2035 - San Luis Obispo County, Summer

Cal Poly MP Operation 2035

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	930.80	1000sqft	21.37	930,800.00	0
Medical Office Building	65.00	1000sqft	1.49	65,000.00	0
Office Park	125.00	1000sqft	2.87	125,000.00	0
General Heavy Industry	14.10	1000sqft	0.32	14,100.00	0
General Light Industry	169.20	1000sqft	3.88	169,200.00	0
Unenclosed Parking with Elevator	706.00	Space	6.35	282,400.00	0
Arena	1.90	Acre	1.90	82,764.00	0
City Park	19.10	Acre	19.10	831,996.00	0
Health Club	134.00	1000sqft	3.08	134,000.00	0
Apartments Mid Rise	2,540.00	Dwelling Unit	66.84	2,540,000.00	7264
Congregate Care (Assisted Living)	80.00	Dwelling Unit	5.00	80,000.00	229
Retirement Community	120.00	Dwelling Unit	24.00	120,000.00	343
Convenience Market (24 Hour)	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				

CO2 Intensity
(lb/MW hr)

118.56

CH4 Intensity
(lb/MW hr)

0.02

N2O Intensity
(lb/MW hr)

0.002

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - PG&E intensity factors adjusted for 2030 RPS compliance (60%)
- Land Use -
- Vehicle Trips - Mobile sources modeled separately
- Energy Use - Nonresidential and residential above 3 stories assumed to comply with 2019 California Energy Code, which reduces consumption by 30%
- Water And Wastewater - Total new water demand would be 400 AFY per Project Description = 130,000,000 gallons/year
- Solid Waste - Total waste generated by project in 2035 anticipated to be 1,094 from Section 3.14
- Area Mitigation - Low VOC paint 50 g/L for residential, nonresidential, and parking. All electric landscaping equipment
- Energy Mitigation - Energy efficient appliances in residential units
- Water Mitigation -
- Waste Mitigation - Based on Cal Poly's 2018 waste stream, 41% was diverted (compost, recycling, donated, resold). Assuming same diversion rate.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblEnergyUse	T24E	332.81	232.97
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	332.81	232.97
tblEnergyUse	T24E	2.76	1.93
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	6.11	4.28
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	6.11	4.28

tblEnergyUse	T24E	7.28	5.10
tblEnergyUse	T24E	365.68	255.98
tblEnergyUse	T24NG	5,484.45	3,839.11
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	5,484.45	3,839.11
tblEnergyUse	T24NG	2.37	1.66
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	19.71	13.98
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	21.04	14.73
tblEnergyUse	T24NG	7,043.85	7,200.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	118.56
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblSolidWaste	SolidWasteGenerationRate	1,168.40	1,094.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	17.48	0.00
tblSolidWaste	SolidWasteGenerationRate	209.81	0.00
tblSolidWaste	SolidWasteGenerationRate	865.64	0.00
tblSolidWaste	SolidWasteGenerationRate	846.45	0.00
tblSolidWaste	SolidWasteGenerationRate	702.00	0.00
tblSolidWaste	SolidWasteGenerationRate	116.25	0.00
tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00

tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	863.10	0.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.64	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	758.45	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	0.76	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	737.99	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	36.13	0.00

tblVehicleTrips	WD_TR	11.42	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	165,491,225.08	130,000,000.00
tblWater	IndoorWaterUseRate	2,557,697.57	0.00
tblWater	IndoorWaterUseRate	5,212,322.05	0.00
tblWater	IndoorWaterUseRate	518,507.65	0.00
tblWater	IndoorWaterUseRate	3,260,625.00	0.00
tblWater	IndoorWaterUseRate	39,127,500.00	0.00
tblWater	IndoorWaterUseRate	165,434,572.63	0.00
tblWater	IndoorWaterUseRate	8,782,756.89	0.00
tblWater	IndoorWaterUseRate	8,156,234.94	0.00
tblWater	IndoorWaterUseRate	22,216,718.50	0.00
tblWater	IndoorWaterUseRate	7,818,483.07	0.00
tblWater	OutdoorWaterUseRate	104,331,424.51	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	22,757,293.78	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	101,395,383.23	0.00
tblWater	OutdoorWaterUseRate	5,382,980.03	0.00
tblWater	OutdoorWaterUseRate	1,553,568.56	0.00
tblWater	OutdoorWaterUseRate	13,616,698.43	0.00
tblWater	OutdoorWaterUseRate	4,929,043.68	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	131.5419	2.6008	225.4794	0.0120		1.2544	1.2544		1.2544	1.2544	0.0000	407.5087	407.5087	0.3887	0.0000	417.2261
Energy	1.2136	10.7175	6.9551	0.0662		0.8385	0.8385		0.8385	0.8385		13,239.4044	13,239.4044	0.2538	0.2427	13,318.0796
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	132.7555	13.3183	232.4345	0.0782	0.0000	2.0929	2.0929	0.0000	2.0929	2.0929	0.0000	13,646.9131	13,646.9131	0.6425	0.2427	13,735.3057

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	101.7227	2.0689	171.2672	7.7500e-003		0.9356	0.9356		0.9356	0.9356	0.0000	285.0789	285.0789	0.2034	0.0000	290.1650
Energy	1.2136	10.7175	6.9551	0.0662		0.8385	0.8385		0.8385	0.8385		13,239.4044	13,239.4044	0.2538	0.2427	13,318.0796
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	102.9363	12.7864	178.2222	0.0740	0.0000	1.7741	1.7741	0.0000	1.7741	1.7741	0.0000	13,524.4833	13,524.4833	0.4572	0.2427	13,608.2446

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	22.46	3.99	23.32	5.37	0.00	15.23	15.23	0.00	15.23	15.23	0.00	0.90	0.90	28.84	0.00	0.93

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Office Park	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Arena	13.00	5.00	5.00	0.00	81.00	19.00	66	28	6
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted Living)	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Convenience Market (24 Hour)	13.00	5.00	5.00	0.90	80.10	19.00	24	15	61
General Heavy Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3
General Light Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Health Club	13.00	5.00	5.00	16.90	64.10	19.00	52	39	9
Medical Office Building	13.00	5.00	5.00	29.60	51.40	19.00	60	30	10
Office Park	13.00	5.00	5.00	33.00	48.00	19.00	82	15	3
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Unenclosed Parking with Elevator	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Arena	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
City Park	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Congregate Care (Assisted Living)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Convenience Market (24 Hour)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Heavy Industry	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Light Industry	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Office Building	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Health Club	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Medical Office Building	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Office Park	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Retirement Community	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Unenclosed Parking with Elevator	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.2136	10.7175	6.9551	0.0662		0.8385	0.8385		0.8385	0.8385		13,239.4044	13,239.4044	0.2538	0.2427	13,318.0796
NaturalGas Unmitigated	1.2136	10.7175	6.9551	0.0662		0.8385	0.8385		0.8385	0.8385		13,239.4044	13,239.4044	0.2538	0.2427	13,318.0796

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	48671.3	0.5249	4.4854	1.9087	0.0286		0.3627	0.3627		0.3627	0.3627		5,726.0401	5,726.0401	0.1098	0.1050	5,760.0671
Arena	4641.59	0.0501	0.4551	0.3823	2.7300e-003		0.0346	0.0346		0.0346	0.0346		546.0690	546.0690	0.0105	0.0100	549.3140
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	1532.96	0.0165	0.1413	0.0601	9.0000e-004		0.0114	0.0114		0.0114	0.0114		180.3477	180.3477	3.4600e-003	3.3100e-003	181.4194
Convenience Market (24 Hour)	31.8356	3.4000e-004	3.1200e-003	2.6200e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		3.7454	3.7454	7.0000e-005	7.0000e-005	3.7676
General Heavy Industry	790.759	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0305	93.0305	1.7800e-003	1.7100e-003	93.5833

General Light Industry	9489.11	0.1023	0.9303	0.7815	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.3655	1,116.3655	0.0214	0.0205	1,122.9995
General Office Building	29275.6	0.3157	2.8702	2.4109	0.0172		0.2181	0.2181		0.2181	0.2181		3,444.1850	3,444.1850	0.0660	0.0631	3,464.6521
Health Club	7581.1	0.0818	0.7432	0.6243	4.4600e-003		0.0565	0.0565		0.0565	0.0565		891.8936	891.8936	0.0171	0.0164	897.1937
Medical Office Building	2044.38	0.0221	0.2004	0.1684	1.2000e-003		0.0152	0.0152		0.0152	0.0152		240.5157	240.5157	4.6100e-003	4.4100e-003	241.9450
Office Park	5071.92	0.0547	0.4973	0.4177	2.9800e-003		0.0378	0.0378		0.0378	0.0378		596.6962	596.6962	0.0114	0.0109	600.2421
Retirement Community	3404.38	0.0367	0.3137	0.1335	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.5157	400.5157	7.6800e-003	7.3400e-003	402.8958
Unenclosed Parking with Electric	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.2136	10.7175	6.9551	0.0662		0.8385	0.8385		0.8385	0.8385		13,239.4044	13,239.4044	0.2538	0.2427	13,318.0796

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	48.6713	0.5249	4.4854	1.9087	0.0286		0.3627	0.3627		0.3627	0.3627		5,726.0401	5,726.0401	0.1098	0.1050	5,760.0671
Arena	4.64159	0.0501	0.4551	0.3823	2.7300e-003		0.0346	0.0346		0.0346	0.0346		546.0690	546.0690	0.0105	0.0100	549.3140
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	1.53296	0.0165	0.1413	0.0601	9.0000e-004		0.0114	0.0114		0.0114	0.0114		180.3477	180.3477	3.4600e-003	3.3100e-003	181.4194
Convenience Market (24 Hour)	0.0318356	3.4000e-004	3.1200e-003	2.6200e-003	2.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		3.7454	3.7454	7.0000e-005	7.0000e-005	3.7676
General Heavy Industry	0.790759	8.5300e-003	0.0775	0.0651	4.7000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003		93.0305	93.0305	1.7800e-003	1.7100e-003	93.5833
General Light Industry	9.48911	0.1023	0.9303	0.7815	5.5800e-003		0.0707	0.0707		0.0707	0.0707		1,116.3655	1,116.3655	0.0214	0.0205	1,122.9995
General Office Building	29.2756	0.3157	2.8702	2.4109	0.0172		0.2181	0.2181		0.2181	0.2181		3,444.1850	3,444.1850	0.0660	0.0631	3,464.6521
Health Club	7.5811	0.0818	0.7432	0.6243	4.4600e-003		0.0565	0.0565		0.0565	0.0565		891.8936	891.8936	0.0171	0.0164	897.1937

Medical Office Building	2.04438	0.0221	0.2004	0.1684	1.2000e-003		0.0152	0.0152		0.0152	0.0152		240.5157	240.5157	4.6100e-003	4.4100e-003	241.9450
Office Park	5.07192	0.0547	0.4973	0.4177	2.9800e-003		0.0378	0.0378		0.0378	0.0378		596.6962	596.6962	0.0114	0.0109	600.2421
Retirement Community	3.40438	0.0367	0.3137	0.1335	2.0000e-003		0.0254	0.0254		0.0254	0.0254		400.5157	400.5157	7.6800e-003	7.3400e-003	402.8958
Unenclosed Parking with Electric	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.2136	10.7175	6.9551	0.0662		0.8385	0.8385		0.8385	0.8385		13,239.4044	13,239.4044	0.2538	0.2427	13,318.0796

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	101.7227	2.0689	171.2672	7.7500e-003		0.9356	0.9356		0.9356	0.9356	0.0000	285.0789	285.0789	0.2034	0.0000	290.1650
Unmitigated	131.5419	2.6008	225.4794	0.0120		1.2544	1.2544		1.2544	1.2544	0.0000	407.5087	407.5087	0.3887	0.0000	417.2261

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	33.3114					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	91.4752					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.7553	2.6008	225.4794	0.0120		1.2544	1.2544		1.2544	1.2544		407.5087	407.5087	0.3887		417.2261
Total	131.5419	2.6008	225.4794	0.0120		1.2544	1.2544		1.2544	1.2544	0.0000	407.5087	407.5087	0.3887	0.0000	417.2261

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.6666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	91.4752					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.5810	2.0689	171.2672	7.7500e-003		0.9356	0.9356		0.9356	0.9356		285.0789	285.0789	0.2034		290.1650
Total	101.7227	2.0689	171.2672	7.7500e-003		0.9356	0.9356		0.9356	0.9356	0.0000	285.0789	285.0789	0.2034	0.0000	290.1650

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mobile Emissions - San Luis Obispo County, Annual

Mobile Emissions

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
University/College (4Yr)	1.00	Employee	0.02	705.78	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Mobile Emissions - San Luis Obispo County, Annual

Project Characteristics -

Land Use -

Construction Phase - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Grading -

Architectural Coating - Mobile operation only

Vehicle Trips - CO mobile emissions - total project daily trips is 7495

Annual VMT based on daily VMT from traffic study multiplied by 267

Consumer Products - Mobile operation only

Area Coating - Mobile operation only

Landscape Equipment - Mobile operation only

Energy Use - Mobile operation only

Water And Wastewater - Mobile operation only

Solid Waste - Mobile operation only

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	353.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,059.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	353	0
tblAreaCoating	Area_Nonresidential_Interior	1059	0
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	1.00	0.00

Mobile Emissions - San Luis Obispo County, Annual

tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	9/18/2019	9/4/2019
tblConstructionPhase	PhaseEndDate	9/19/2019	9/18/2019
tblConstructionPhase	PhaseEndDate	9/23/2019	9/19/2019
tblConstructionPhase	PhaseEndDate	2/10/2020	9/23/2019
tblConstructionPhase	PhaseEndDate	2/17/2020	2/10/2020
tblConstructionPhase	PhaseEndDate	2/24/2020	2/17/2020
tblEnergyUse	LightingElect	2.91	0.00
tblEnergyUse	NT24E	2.27	0.00
tblEnergyUse	NT24NG	3.30	0.00
tblEnergyUse	T24E	2.73	0.00
tblEnergyUse	T24NG	20.83	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

Mobile Emissions - San Luis Obispo County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.80	0.00
tblVehicleTrips	CC_TL	5.00	20.00
tblVehicleTrips	CNW_TL	5.00	15.11
tblVehicleTrips	CW_TL	13.00	16.60
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	WD_TR	8.96	7,495.00
tblWater	IndoorWaterUseRate	8,221.82	0.00
tblWater	OutdoorWaterUseRate	12,859.78	0.00

2.0 Emissions Summary

Mobile Emissions - San Luis Obispo County, Annual

2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Mobile Emissions - San Luis Obispo County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.1615	5.8192	19.2601	0.0993	13.2944	0.0523	13.3468	3.5530	0.0487	3.6018	0.0000	9,147.569 1	9,147.569 1	0.2411	0.0000	9,153.597 4
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.1615	5.8192	19.2601	0.0993	13.2944	0.0523	13.3468	3.5530	0.0487	3.6018	0.0000	9,147.569 1	9,147.569 1	0.2411	0.0000	9,153.597 4

Mobile Emissions - San Luis Obispo County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.1615	5.8192	19.2601	0.0993	13.2944	0.0523	13.3468	3.5530	0.0487	3.6018	0.0000	9,147.569 1	9,147.569 1	0.2411	0.0000	9,153.597 4
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.1615	5.8192	19.2601	0.0993	13.2944	0.0523	13.3468	3.5530	0.0487	3.6018	0.0000	9,147.569 1	9,147.569 1	0.2411	0.0000	9,153.597 4

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Mobile Emissions - San Luis Obispo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/5/2019	9/4/2019	5	0	
2	Site Preparation	Site Preparation	9/19/2019	9/18/2019	5	0	
3	Grading	Grading	9/20/2019	9/19/2019	5	0	
4	Building Construction	Building Construction	9/24/2019	9/23/2019	5	0	
5	Paving	Paving	2/11/2020	2/10/2020	5	0	
6	Architectural Coating	Architectural Coating	2/18/2020	2/17/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Mobile Emissions - San Luis Obispo County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Mobile Emissions - San Luis Obispo County, Annual

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.2 Demolition - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.2 Demolition - 2019

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.4 Grading - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.4 Grading - 2019

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.5 Building Construction - 2019

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2020

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.6 Paving - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

3.6 Paving - 2020

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

[illegible]

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Mobile Emissions - San Luis Obispo County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1615	5.8192	19.2601	0.0993	13.2944	0.0523	13.3468	3.5530	0.0487	3.6018	0.0000	9,147.569 1	9,147.569 1	0.2411	0.0000	9,153.597 4
Unmitigated	1.1615	5.8192	19.2601	0.0993	13.2944	0.0523	13.3468	3.5530	0.0487	3.6018	0.0000	9,147.569 1	9,147.569 1	0.2411	0.0000	9,153.597 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
University/College (4Yr)	7,495.00	0.00	0.00	35,503,544	35,503,544
Total	7,495.00	0.00	0.00	35,503,544	35,503,544

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
University/College (4Yr)	16.60	20.00	15.11	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
University/College (4Yr)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600

5.0 Energy Detail

 Historical Energy Use: N

5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mobile Emissions - San Luis Obispo County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

[illegible]

Mobile Emissions - San Luis Obispo County, Annual

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail**7.1 Mitigation Measures Water**

Mobile Emissions - San Luis Obispo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
University/College (4Yr)	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mobile Emissions - San Luis Obispo County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
University/College (4Yr)	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Mobile Emissions - San Luis Obispo County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Mobile Emissions - San Luis Obispo County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Mobile Emissions - San Luis Obispo County, Summer

Mobile Emissions

San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
University/College (4Yr)	1.00	Employee	0.02	705.78	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Mobile Emissions - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Construction Phase - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Off-road Equipment - Mobile operation only

Grading -

Architectural Coating - Mobile operation only

Vehicle Trips - CO mobile emissions - total project daily trips is 7495

Annual VMT based on daily VMT from traffic study multiplied by 267

Consumer Products - Mobile operation only

Area Coating - Mobile operation only

Landscape Equipment - Mobile operation only

Energy Use - Mobile operation only

Water And Wastewater - Mobile operation only

Solid Waste - Mobile operation only

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	353.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,059.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	353	0
tblAreaCoating	Area_Nonresidential_Interior	1059	0
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	1.00	0.00

Mobile Emissions - San Luis Obispo County, Summer

tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	9/18/2019	9/4/2019
tblConstructionPhase	PhaseEndDate	9/19/2019	9/18/2019
tblConstructionPhase	PhaseEndDate	9/23/2019	9/19/2019
tblConstructionPhase	PhaseEndDate	2/10/2020	9/23/2019
tblConstructionPhase	PhaseEndDate	2/17/2020	2/10/2020
tblConstructionPhase	PhaseEndDate	2/24/2020	2/17/2020
tblEnergyUse	LightingElect	2.91	0.00
tblEnergyUse	NT24E	2.27	0.00
tblEnergyUse	NT24NG	3.30	0.00
tblEnergyUse	T24E	2.73	0.00
tblEnergyUse	T24NG	20.83	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00

Mobile Emissions - San Luis Obispo County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	0.80	0.00
tblVehicleTrips	CC_TL	5.00	20.00
tblVehicleTrips	CNW_TL	5.00	15.11
tblVehicleTrips	CW_TL	13.00	16.60
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	WD_TR	8.96	7,495.00
tblWater	IndoorWaterUseRate	8,221.82	0.00
tblWater	OutdoorWaterUseRate	12,859.78	0.00

2.0 Emissions Summary

Mobile Emissions - San Luis Obispo County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Mobile Emissions - San Luis Obispo County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	9.3647	43.0983	153.7169	0.7891	104.9852	0.4028	105.3880	27.9988	0.3752	28.3739		80,085.2691	80,085.2691	2.0558		80,136.6629
Total	9.3647	43.0983	153.7170	0.7891	104.9852	0.4028	105.3880	27.9988	0.3752	28.3739		80,085.2694	80,085.2694	2.0558	0.0000	80,136.6632

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	9.3647	43.0983	153.7169	0.7891	104.9852	0.4028	105.3880	27.9988	0.3752	28.3739		80,085.2691	80,085.2691	2.0558		80,136.6629
Total	9.3647	43.0983	153.7170	0.7891	104.9852	0.4028	105.3880	27.9988	0.3752	28.3739		80,085.2694	80,085.2694	2.0558	0.0000	80,136.6632

Mobile Emissions - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/5/2019	9/4/2019	5	0	
2	Site Preparation	Site Preparation	9/19/2019	9/18/2019	5	0	
3	Grading	Grading	9/20/2019	9/19/2019	5	0	
4	Building Construction	Building Construction	9/24/2019	9/23/2019	5	0	
5	Paving	Paving	2/11/2020	2/10/2020	5	0	
6	Architectural Coating	Architectural Coating	2/18/2020	2/17/2020	5	0	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Mobile Emissions - San Luis Obispo County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Mobile Emissions - San Luis Obispo County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.2 Demolition - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.2 Demolition - 2019

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.4 Grading - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.4 Grading - 2019

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2019

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.5 Building Construction - 2019

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2020

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.6 Paving - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.6 Paving - 2020

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Mobile Emissions - San Luis Obispo County, Summer

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Mobile Emissions - San Luis Obispo County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	9.3647	43.0983	153.7169	0.7891	104.9852	0.4028	105.3880	27.9988	0.3752	28.3739		80,085.26 91	80,085.26 91	2.0558		80,136.66 29
Unmitigated	9.3647	43.0983	153.7169	0.7891	104.9852	0.4028	105.3880	27.9988	0.3752	28.3739		80,085.26 91	80,085.26 91	2.0558		80,136.66 29

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
University/College (4Yr)	7,495.00	0.00	0.00	35,503,544	35,503,544
Total	7,495.00	0.00	0.00	35,503,544	35,503,544

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
University/College (4Yr)	16.60	20.00	15.11	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
University/College (4Yr)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600

5.0 Energy Detail

Historical Energy Use: N

Mobile Emissions - San Luis Obispo County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile Emissions - San Luis Obispo County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
University/College (4Yr)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Mobile Emissions - San Luis Obispo County, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail**7.1 Mitigation Measures Water**

Mobile Emissions - San Luis Obispo County, Summer

8.0 Waste Detail

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Energy Calculations Summary

Operational Fuel Use Summary

Vehicle Class	Diesel Gallons	Gasoline Gallons
Passenger	5,559	702,125
Truck	138,658	153,236
Bus	5,776	4,803
Other	735	2,459
Total	150,729	862,623

1. Fleet mix calculated from CalEEMod default values.
2. Gallons per mile calculated from EMFAC 2017.
3. Annual VMT calculated based on daily VMT and adjustment factor of 267 days/year.

Operational Natural Gas Use Summary

Land Use	Amount	Unit
Apartments Mid Rise	17,765,000	kBTU/year
Arena	1,694,180	kBTU/year
City Park	0	kBTU/year
Congregate Care	559,529	kBTU/year
Convenience Market	11,620	kBTU/year
General Heavy Industry	288,627	kBTU/year
General Light Industry	3,463,520	kBTU/year
General Office Building	10,685,600	kBTU/year
Health Club	2,767,100	kBTU/year
Medical Office Building	746,200	kBTU/year
Office Park	1,851,250	kBTU/year
Retirement Community	1,242,600	kBTU/year
Unenclosed Parking with Elevator	-	kBTU/year
Total	41,075,226	kBTU/year
	41,075.23	kBTU/year

Operational Electricity Use Summary

Land Use	Amount	Unit
Apartments Mid Rise	10,232,400	kWh/year
Arena	647,214	kWh/year
City Park	0	kWh/year
Congregate Care	322,281	kWh/year
Convenience Market	69,020	kWh/year
General Heavy Industry	110,262	kWh/year
General Light Industry	1,323,140	kWh/year
General Office Building	14,892,800	kWh/year
Health Club	1,047,880	kWh/year
Medical Office Building	1,040,000	kWh/year
Office Park	2,171,250	kWh/year
Retirement Community	531,581	kWh/year
Unenclosed Parking with Elevator	547,856	kWh/year
Total	32,935,684	kWh/year
	32,935.68	MWh/year

Energy Calculations Summary

Construction Fuel Usage Summary

	Diesel	Gasoline	Diesel	Diesel
Construction Year	Off-road Equipment (gallons)	On-road (gallons)	On-road (gallons)	Total
2021	27,312	11,425	5,515	32,827
2022	21,338	11,370	5,488	26,827
2023	21,338	11,370	5,488	26,827
2024	21,469	11,481	5,541	27,010
2025	21,403	11,425	5,515	26,918
2026	21,403	11,425	5,515	26,918
2027	21,403	11,425	5,515	26,918
2028	21,338	11,370	5,488	26,827
2029	21,403	11,425	5,515	26,918
2030	21,403	15,451	9,921	31,324
2031	21,403	15,451	9,921	31,324
2032	21,469	15,527	9,970	31,438
2033	21,338	15,375	9,872	31,210
2034	21,338	15,375	9,872	31,210
2035	21,403	15,451	9,921	31,324
TOTAL	326,766	195,348	109,056	435,821

Total Gasoline	195,348	gallons
Total Diesel	435,821	gallons

2021 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	5,909
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								27,312

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	0	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	0	0	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	0	0	0.6	146	0
Building Construction	198	46	196	38,808	9,016	0	13.00	5.00	20.00	504,504	45,080	0	0.6	10,929	5,197
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	0	0	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	0	0	0.6	73	0
TOTAL														11,425	5,515

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2022 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	195	0.6	5,486
Building Construction	Forklifts	4	8.00	89	0.20	195	0.6	3,332
Building Construction	Generator Sets	1	8.00	84	0.74	195	0.6	2,909
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	195	0.6	
Building Construction	Welders	1	8.00	46	0.45	195	0.6	969
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,338

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	195	38,610	8,970	0	13.00	5.00	20.00	501,930	44,850	-	0.6	10,874	5,170
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,370	5,488

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2023 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	195	0.6	5,486
Building Construction	Forklifts	4	8.00	89	0.20	195	0.6	3,332
Building Construction	Generator Sets	1	8.00	84	0.74	195	0.6	2,909
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	195	0.6	
Building Construction	Welders	1	8.00	46	0.45	195	0.6	969
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,338

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	195	38,610	8,970	0	13.00	5.00	20.00	501,930	44,850	-	0.6	10,874	5,170
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,370	5,488

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2024 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	197	0.6	5,543
Building Construction	Forklifts	4	8.00	89	0.20	197	0.6	3,366
Building Construction	Generator Sets	1	8.00	84	0.74	197	0.6	2,939
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	197	0.6	
Building Construction	Welders	1	8.00	46	0.45	197	0.6	979
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,469

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	197	39,006	9,062	0	13.00	5.00	20.00	507,078	45,310	-	0.6	10,985	5,223
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,481	5,541

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2025 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	196	38,808	9,016	0	13.00	5.00	20.00	504,504	45,080	-	0.6	10,929	5,197
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,425	5,515

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2026 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	196	38,808	9,016	0	13.00	5.00	20.00	504,504	45,080	-	0.6	10,929	5,197
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,425	5,515

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2027 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	196	38,808	9,016	0	13.00	5.00	20.00	504,504	45,080	-	0.6	10,929	5,197
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,425	5,515

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2028 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	195	0.6	5,486
Building Construction	Forklifts	4	8.00	89	0.20	195	0.6	3,332
Building Construction	Generator Sets	1	8.00	84	0.74	195	0.6	2,909
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	195	0.6	
Building Construction	Welders	1	8.00	46	0.45	195	0.6	969
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,338

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	195	38,610	8,970	0	13.00	5.00	20.00	501,930	44,850	-	0.6	10,874	5,170
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,370	5,488

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2029 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	40	0	13	520	0	0	13.00	5.00	20.00	6,760	-	-	0.6	146	0
Building Construction	198	46	196	38,808	9,016	0	13.00	5.00	20.00	504,504	45,080	-	0.6	10,929	5,197
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														11,425	5,515

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2030 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	54	0	13	702	0	0	13.00	5.00	20.00	9,126	-	-	0.6	198	0
Building Construction	270	85	196	52,920	16,660	0	13.00	5.00	20.00	687,960	83,300	-	0.6	14,904	9,603
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														15,451	9,921

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2031 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	54	0	13	702	0	0	13.00	5.00	20.00	9,126	-	-	0.6	198	0
Building Construction	270	85	196	52,920	16,660	0	13.00	5.00	20.00	687,960	83,300	-	0.6	14,904	9,603
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														15,451	9,921

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2032 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	197	0.6	5,543
Building Construction	Forklifts	4	8.00	89	0.20	197	0.6	3,366
Building Construction	Generator Sets	1	8.00	84	0.74	197	0.6	2,939
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	197	0.6	
Building Construction	Welders	1	8.00	46	0.45	197	0.6	979
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,469

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	54	0	13	702	0	0	13.00	5.00	20.00	9,126	-	-	0.6	198	0
Building Construction	270	85	197	53,190	16,745	0	13.00	5.00	20.00	691,470	83,725	-	0.6	14,980	9,652
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														15,527	9,970

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2033 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	195	0.6	5,486
Building Construction	Forklifts	4	8.00	89	0.20	195	0.6	3,332
Building Construction	Generator Sets	1	8.00	84	0.74	195	0.6	2,909
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	195	0.6	
Building Construction	Welders	1	8.00	46	0.45	195	0.6	969
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,338

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	54	0	13	702	0	0	13.00	5.00	20.00	9,126	-	-	0.6	198	0
Building Construction	270	85	195	52,650	16,575	0	13.00	5.00	20.00	684,450	82,875	-	0.6	14,828	9,554
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														15,375	9,872

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2034 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	195	0.6	5,486
Building Construction	Forklifts	4	8.00	89	0.20	195	0.6	3,332
Building Construction	Generator Sets	1	8.00	84	0.74	195	0.6	2,909
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	195	0.6	
Building Construction	Welders	1	8.00	46	0.45	195	0.6	969
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,338

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	54	0	13	702	0	0	13.00	5.00	20.00	9,126	-	-	0.6	198	0
Building Construction	270	85	195	52,650	16,575	0	13.00	5.00	20.00	684,450	82,875	-	0.6	14,828	9,554
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														15,375	9,872

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

2035 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Straws	1	8	81	0.73	13	0.6	184
Demolition	Excavators	4	8	158	0.38	13	0.6	749
Demolition	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Rubber Tired Dozers	4	8	247	0.4	7	0.6	664
Site Preparation	Tractors/Loaders/Backhoes	5	8	97	0.37	7	0.6	301
Grading	Excavators	3	8.00	158	0.38	20	0.6	865
Grading	Graders	2	8.00	187	0.41	20	0.6	736
Grading	Rubber Tired Dozers	2	8.00	247	0.40	20	0.6	948
Grading	Scrapers	2	8.00	367	0.48	20	0.6	1,691
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	20	0.6	345
Building Construction	Cranes	2	7.00	231	0.29	196	0.6	5,515
Building Construction	Forklifts	4	8.00	89	0.20	196	0.6	3,349
Building Construction	Generator Sets	1	8.00	84	0.74	196	0.6	2,924
Building Construction	Tractors/Loaders/Backhoes	4	7.00	97	0.37	196	0.6	
Building Construction	Welders	1	8.00	46	0.45	196	0.6	974
Paving	Pavers	3	8.00	130	0.42	13	0.6	511
Paving	Paving Equipment	3	8.00	132	0.36	13	0.6	445
Paving	Rollers	2	8.00	80	0.38	13	0.6	190
Architectural Coating	Air Compressors	1	6.00	78	0.48	13	0.6	88
TOTAL								21,403

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	20	0	13	260	0	138	13.00	5.00	20.00	3,380	-	2,760	0.6	73	318
Site Preparation	23	0	7	161	0	0	13.00	5.00	20.00	2,093	-	-	0.6	45	0
Architectural Coating	54	0	13	702	0	0	13.00	5.00	20.00	9,126	-	-	0.6	198	0
Building Construction	270	85	196	52,920	16,660	0	13.00	5.00	20.00	687,960	83,300	-	0.6	14,904	9,603
Grading	28	0	20	560	0	0	13.00	5.00	20.00	7,280	-	-	0.6	158	0
Paving	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
TOTAL														15,451	9,921

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: SAN LUIS OBISPO

Calendar Year: 2020

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
SAN LUIS OBISPO	2020	LDA	Aggregated	Aggregated	GAS	121,881	4,714,594	568,682	153.7	0.00	30.67		
SAN LUIS OBISPO	2020	LDT1	Aggregated	Aggregated	GAS	14,770	534,241	67,495	20.4	0.00	26.17		
SAN LUIS OBISPO	2020	LDT2	Aggregated	Aggregated	GAS	55,648	1,966,689	253,137	84.5	0.00	23.28		
SAN LUIS OBISPO	2020	T7 tractor construction	Aggregated	Aggregated	DSL	91	6,379	410	0.00	1.23	5.20	27.70	5.20

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, Trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Class	MedYr	Speed	Fuel	Population VMT (mi/day)	% of vehicle class ET%	CalEEMod	vehicle class	Trips	Fuel_Consumption (1000 gal/day)	Fuel (gal/day)	mi/gal
SAN LUIS OBISPO	2035 HHDT	Truck	Truck	1,302,979	155.1289518	0.000786447	0.020318	1.5979E-05	567,311,6719	105,193,799	26.07	0.028764795	28,764,7947	5,393,014,992
SAN LUIS OBISPO	2035 HHDT	Truck	Aggregate/Aggregate GAS	1,755,475	193184.9914	0.979377517	0.020318	0.019898992	706483.8586	84174,71251	16,752.33	23.01721535	23,017,21535	8,393,065,299
SAN LUIS OBISPO	2035 HHDT	Truck	Aggregate/Aggregate DSL	95,99,023	3912.714284	0.019898992	0.020318	0.000403029	14308.92465	4863,013873	374,361.9	1.329770358	1329,770358	2,942,984,843
SAN LUIS OBISPO	2035 LDA	Passenger	Passenger Aggregate/Aggregate GAS	16,060.3	555327.7229	0.931268635	0.616164	0.57814277	20372412.19	479177,7538	74,9504.1	130.6663736	130666,3736	42,513,5475
SAN LUIS OBISPO	2035 LDA	Passenger	Aggregate/Aggregate DSL	2142.315	72012.96925	0.0102071912	0.616164	0.007438277	264084.8743	4090,118507	9919.67	1.115329226	1115,329226	64,566,55811
SAN LUIS OBISPO	2035 LDA	Passenger	Aggregate/Aggregate ELEC	8921.819	37992.4902	0.05659454	0.616164	0.034911516	1239480.96	23751,45815	85,966.78	16.72535742	16,725,35742	35,337,99777
SAN LUIS OBISPO	2035 LD11	Passenger	Aggregate/Aggregate GAS	18,830.74	591030.6081	0.967755778	0.024428	0.0236400338	899314.7244	105,31084.79	24,75,4007	0	0	34,555,50722
SAN LUIS OBISPO	2035 LD11	Passenger	Aggregate/Aggregate DSL	2,243,558	74,15809552	0.000121427	0.024428	2.96621E-06	27859,44104	3,04776147	10,306.6	0	0	35,100,91917
SAN LUIS OBISPO	2035 LD11	Passenger	Aggregate/Aggregate ELEC	516,03,688	19618.12643	0.032122795	0.020403	0.000784696	6853962.258	1466,219747	27,75,712	0.414237984	414,237,9836	47,773,82824
SAN LUIS OBISPO	2035 LD12	Passenger	Aggregate/Aggregate DSL	61,413.83	19618.12643	0.036310585	0.020403	0.001972959	70046,59037	159568,5165	27,832.01	55.16747778	55,167,47778	35,100,91917
SAN LUIS OBISPO	2035 LD12	Passenger	Aggregate/Aggregate ELEC	20,71,613	53961.11436	0.02884465	0.020403	0.003537971	18998,5433	1466,219747	27,75,712	0	0	47,773,82824
SAN LUIS OBISPO	2035 LH011	Truck	Truck	3717,099	117470.5782	0.02884465	0.020403	0.003537971	18998,5433	1466,219747	27,75,712	0	0	47,773,82824
SAN LUIS OBISPO	2035 LH011	Truck	Aggregate/Aggregate GAS	3717,099	117470.5782	0.02884465	0.020403	0.003537971	18998,5433	1466,219747	27,75,712	0	0	47,773,82824
SAN LUIS OBISPO	2035 LH011	Truck	Aggregate/Aggregate DSL	4328,383	127978.8768	0.478393762	0.011605	0.005354081	197189,2961	2034,85495	55,379.23	12.11993714	12,119,93714	9,692,442,196
SAN LUIS OBISPO	2035 LH012	Truck	Aggregate/Aggregate GAS	4967,842	16099,45328	0.521466238	0.011605	0.006050919	214828,8111	10463,61705	54,445.37	6.23437454	623,437,454	20,531,027,767
SAN LUIS OBISPO	2035 LH012	Truck	Aggregate/Aggregate DSL	1038,09	46975,18183	0.244395331	0.004038	0.000986868	33037,27951	4116,770708	7401,345	1.878165384	1881,653384	8,510,864,946
SAN LUIS OBISPO	2035 MDV	Passenger	Aggregate/Aggregate GAS	918,543	461,631,707	0.755044669	0.004038	0.000986868	33037,27951	3753,799096	13,359.49	2.735439058	273,543,9058	8,510,864,946
SAN LUIS OBISPO	2035 MDV	Truck	Aggregate/Aggregate DSL	39634,07	1228166.776	0.936015898	0.004038	0.000986868	33037,27951	3753,799096	13,359.49	2.735439058	273,543,9058	8,510,864,946
SAN LUIS OBISPO	2035 MDV	Truck	Aggregate/Aggregate ELEC	1456,658	45975,3242	0.035038818	0.10171	0.095203177	338010,266	118468,0731	17,806.63	43.14677619	43,146,77619	38,539,88153
SAN LUIS OBISPO	2035 MDV	Truck	Aggregate/Aggregate GAS	1456,658	45975,3242	0.035038818	0.10171	0.095203177	338010,266	118468,0731	17,806.63	1.287146188	128,714,6188	35,718,80338
SAN LUIS OBISPO	2035 MH	Other	Aggregate/Aggregate GAS	1434,653	37979,90529	0.038945185	0.10171	0.003940015	10452,835	2459,195029	70,821.25	1.074341699	1074,341699	5,498,782,893
SAN LUIS OBISPO	2035 MH	Other	Aggregate/Aggregate DSL	707,9,933	5907,571662	0.63480031	0.0006	0.00038088	1352,57934	2459,195029	70,821.25	0.321176548	321,176,548	10,587,77506
SAN LUIS OBISPO	2035 MHDT	Truck	Aggregate/Aggregate GAS	469,3084	3398,617346	0.36519969	0.0006	0.00021912	7779,520179	10201,58034	743,699	3.030860733	3030,860733	5,765,605,949
SAN LUIS OBISPO	2035 MHDT	Truck	Aggregate/Aggregate DSL	374,5351	17477,47766	0.130550441	0.012692	0.001656949	58827,47781	34524,51744	21,606.08	10.25713671	1025,713671	11,347,96261
SAN LUIS OBISPO	2035 OBUS	Truck	Aggregate/Aggregate GAS	126,7,707	116397,6038	0.86949389	0.002255	0.000656341	23302,40836	4712,813317	25,35,849	0.733935572	733,935,5717	5,531,31758
SAN LUIS OBISPO	2035 OBUS	Bus	Aggregate/Aggregate DSL	148,4349	4059,63073	0.291960389	0.002255	0.000656341	23302,40836	4712,813317	25,35,849	1.006210213	1006,210213	9,827,667713
SAN LUIS OBISPO	2035 SBU1	Bus	Aggregate/Aggregate GAS	49,3349	9888,095895	0.708396611	0.000686	0.000178784	56757,98213	5775,67834	1498,521	0.192801266	192,801,2658	10,757,98501
SAN LUIS OBISPO	2035 SBU1	Bus	Aggregate/Aggregate DSL	184,8349	2074,153127	0.260618311	0.000686	0.000178784	56757,98213	5775,67834	1498,521	0.60080135	600,080135	9,806,766501
SAN LUIS OBISPO	2035 UBUS	Bus	Aggregate/Aggregate GAS	36,36549	5884,431829	0.239381669	0.000686	0.000507239	18007,93659	18007,93659	2133,564	0.33282668	332,826,6802	8,155,606037
SAN LUIS OBISPO	2035 UBUS	Bus	Aggregate/Aggregate DSL	71,72,556	2714,221655	0.2799603	0.001026	0.000287239	10197,99909	1250,511791	145,462	0.988864471	988,864471	7,05941,2013
SAN LUIS OBISPO	2035 UBUS	Bus	Aggregate/Aggregate ELEC	0	6980,801726	0.7200397	0.001026	0.000738761	26228,591	3715,40731	286,9022	0	0	0

Project VMT (mi/yr)
35,503,499

Project Mobile Emissions (MT/Yr)
8,353

Gas (gal)	Diesel (gal)
Passenger	702,125
Truck	153,236
Bus	4,803
Other	2,459
Total	862,623

Gasoline Sum
862,623

Diesel Sum
150,729

Cal Poly MP Operation 2035 without Plan - San Luis Obispo County, Annual

Cal Poly MP Operation 2035 without Plan

San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	930.80	1000sqft	21.37	930,800.00	0
Medical Office Building	65.00	1000sqft	1.49	65,000.00	0
Office Park	125.00	1000sqft	2.87	125,000.00	0
General Heavy Industry	14.10	1000sqft	0.32	14,100.00	0
General Light Industry	169.20	1000sqft	3.88	169,200.00	0
Unenclosed Parking with Elevator	706.00	Space	6.35	282,400.00	0
Arena	1.90	Acre	1.90	82,764.00	0
City Park	19.10	Acre	19.10	831,996.00	0
Health Club	134.00	1000sqft	3.08	134,000.00	0
Apartments Mid Rise	2,540.00	Dwelling Unit	66.84	2,540,000.00	7264
Congregate Care (Assisted Living)	80.00	Dwelling Unit	5.00	80,000.00	229
Retirement Community	120.00	Dwelling Unit	24.00	120,000.00	343
Convenience Market (24 Hour)	7.00	1000sqft	0.16	7,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				

CO2 Intensity
(lb/MW hr)

118.56

CH4 Intensity
(lb/MW hr)

0.02

N2O Intensity
(lb/MW hr)

0.002

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E intensity factors adjusted for 2030 RPS compliance (60%)

Land Use -

Vehicle Trips - Mobile sources modeled separately

Energy Use -

Water And Wastewater - Total new water demand would be 400 AFY per Project Description = 130,000,000 gallons/year

Solid Waste - Total waste generated by project in 2035 anticipated to be 1,094 from Section 3.14

Area Mitigation - Low VOC paint 50 g/L for residential, nonresidential, and parking. All electric landscaping equipment

Energy Mitigation - Energy efficient appliances in residential units

Water Mitigation -

Waste Mitigation - Based on Cal Poly's 2018 waste stream, 41% was diverted (compost, recycling, donated, resold). Assuming same diversion rate.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	763,932.00	771,182.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,291,796.00	2,313,546.00
tblAreaCoating	Area_Nonresidential_Exterior	763932	771182
tblAreaCoating	Area_Nonresidential_Interior	2291796	2313546
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	118.56
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblSolidWaste	SolidWasteGenerationRate	1,168.40	1,094.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00

tblSolidWaste	SolidWasteGenerationRate	1.64	0.00
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	17.48	0.00
tblSolidWaste	SolidWasteGenerationRate	209.81	0.00
tblSolidWaste	SolidWasteGenerationRate	865.64	0.00
tblSolidWaste	SolidWasteGenerationRate	763.80	0.00
tblSolidWaste	SolidWasteGenerationRate	702.00	0.00
tblSolidWaste	SolidWasteGenerationRate	116.25	0.00
tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblTripsAndVMT	VendorTripNumber	726.00	728.00
tblTripsAndVMT	WorkerTripNumber	2,970.00	2,976.00
tblTripsAndVMT	WorkerTripNumber	594.00	595.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	863.10	0.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	1.64	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	758.45	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	0.68	0.00

tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	0.76	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	33.33	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	737.99	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	11.42	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	165,491,225.08	130,000,000.00
tblWater	IndoorWaterUseRate	2,557,697.57	0.00
tblWater	IndoorWaterUseRate	5,212,322.05	0.00
tblWater	IndoorWaterUseRate	518,507.65	0.00
tblWater	IndoorWaterUseRate	3,260,625.00	0.00
tblWater	IndoorWaterUseRate	39,127,500.00	0.00
tblWater	IndoorWaterUseRate	165,434,572.63	0.00
tblWater	IndoorWaterUseRate	7,925,181.30	0.00
tblWater	IndoorWaterUseRate	8,156,234.94	0.00
tblWater	IndoorWaterUseRate	22,216,718.50	0.00
tblWater	IndoorWaterUseRate	7,818,483.07	0.00
tblWater	OutdoorWaterUseRate	104,331,424.51	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00

tblWater	OutdoorWaterUseRate	22,757,293.78	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	101,395,383.23	0.00
tblWater	OutdoorWaterUseRate	4,857,369.18	0.00
tblWater	OutdoorWaterUseRate	1,553,568.56	0.00
tblWater	OutdoorWaterUseRate	13,616,698.43	0.00
tblWater	OutdoorWaterUseRate	4,929,043.68	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.8882	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527
Energy	0.2878	2.5460	1.6830	0.0157		0.1988	0.1988		0.1988	0.1988	0.0000	4,756.4884	4,756.4884	0.3765	0.0844	4,791.0550
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	222.0721	0.0000	222.0721	13.1241	0.0000	550.1743
Water						0.0000	0.0000		0.0000	0.0000	41.2430	37.8290	79.0720	4.2424	0.1007	215.1297
Total	24.1760	2.9752	38.8871	0.0177	0.0000	0.4058	0.4058	0.0000	0.4058	0.4058	263.3151	4,855.3155	5,118.6306	17.8012	0.1851	5,618.8116

Mitigated Operational

Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Arena	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Convenience Market (24 Hour)	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Office Park	0.00	0.00	0.00		
Retirement Community	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Arena	13.00	5.00	5.00	0.00	81.00	19.00	66	28	6
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Convenience Market (24 Hour)	13.00	5.00	5.00	0.90	80.10	19.00	24	15	61
General Heavy Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3
General Light Industry	13.00	5.00	5.00	59.00	28.00	13.00	92	5	3
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Health Club	13.00	5.00	5.00	16.90	64.10	19.00	52	39	9
Medical Office Building	13.00	5.00	5.00	29.60	51.40	19.00	60	30	10
Office Park	13.00	5.00	5.00	33.00	48.00	19.00	82	15	3
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Unenclosed Parking with	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Arena	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
City Park	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Congregate Care (Assisted Living)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Convenience Market (24 Hour)	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Heavy Industry	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Light Industry	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
General Office Building	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Health Club	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Medical Office Building	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Office Park	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Retirement Community	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600
Unenclosed Parking with Elevator	0.616164	0.024428	0.200403	0.101710	0.011605	0.004038	0.012692	0.020318	0.002255	0.001026	0.004075	0.000686	0.000600

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,893.2171	1,893.2171	0.3194	0.0319	1,910.7185

Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,908.422 1	1,908.4221	0.3219	0.0322	1,926.064 1
NaturalGas Mitigated	0.2878	2.5460	1.6830	0.0157		0.1988	0.1988		0.1988	0.1988	0.0000	2,848.066 2	2,848.0662	0.0546	0.0522	2,864.990 9
NaturalGas Unmitigated	0.2878	2.5460	1.6830	0.0157		0.1988	0.1988		0.1988	0.1988	0.0000	2,848.066 2	2,848.0662	0.0546	0.0522	2,864.990 9

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.19442e+007	0.1183	1.0112	0.4303	6.4500e-003		0.0818	0.0818		0.0818	0.0818	0.0000	1,171.0262	1,171.0262	0.0224	0.0215	1,177.9851
Arena	2.18331e+006	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	116.5100	116.5100	2.2300e-003	2.1400e-003	117.2023
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	691156	3.7300e-003	0.0319	0.0136	2.0000e-004		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	36.8827	36.8827	7.1000e-004	6.8000e-004	37.1019
Convenience Market (24 Hour)	16590	9.0000e-005	8.1000e-004	6.8000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8853	0.8853	2.0000e-005	2.0000e-005	0.8906
General Heavy Industry	371958	2.0100e-003	0.0182	0.0153	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.8491	19.8491	3.8000e-004	3.6000e-004	19.9671
General Light Industry	4.4635e+006	0.0241	0.2188	0.1838	1.3100e-003		0.0166	0.0166		0.0166	0.0166	0.0000	238.1891	238.1891	4.5700e-003	4.3700e-003	239.6046
General Office Building	1.52372e+007	0.0822	0.7469	0.6274	4.4800e-003		0.0568	0.0568		0.0568	0.0568	0.0000	813.1148	813.1148	0.0156	0.0149	817.9467
Health Club	3.53492e+006	0.0191	0.1733	0.1456	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.6368	188.6368	3.6200e-003	3.4600e-003	189.7578
Medical Office Building	1.06405e+006	5.7400e-003	0.0522	0.0438	3.1000e-004		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	56.7818	56.7818	1.0900e-003	1.0400e-003	57.1192
Office Park	2.64e+006	0.0142	0.1294	0.1087	7.8000e-004		9.8400e-003	9.8400e-003		9.8400e-003	9.8400e-003	0.0000	140.8805	140.8805	2.7000e-003	2.5800e-003	141.7176
Retirement Community	1.22386e+006	6.6000e-003	0.0564	0.0240	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3099	65.3099	1.2500e-003	1.2000e-003	65.6980
Unenclosed Parking with Electricity	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2878	2.5460	1.6830	0.0157		0.1988	0.1988		0.1988	0.1988	0.0000	2,848.0662	2,848.0662	0.0546	0.0522	2,864.9909

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.19442e+007	0.1183	1.0112	0.4303	6.4500e-003		0.0818	0.0818		0.0818	0.0818	0.0000	1,171.0262	1,171.0262	0.0224	0.0215	1,177.9851
Arena	2.18331e+006	0.0118	0.1070	0.0899	6.4000e-004		8.1300e-003	8.1300e-003		8.1300e-003	8.1300e-003	0.0000	116.5100	116.5100	2.2300e-003	2.1400e-003	117.2023
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	691156	3.7300e-003	0.0319	0.0136	2.0000e-004		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	36.8827	36.8827	7.1000e-004	6.8000e-004	37.1019
Convenience Market (24 Hour)	16590	9.0000e-005	8.1000e-004	6.8000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8853	0.8853	2.0000e-005	2.0000e-005	0.8906
General Heavy Industry	371958	2.0100e-003	0.0182	0.0153	1.1000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	19.8491	19.8491	3.8000e-004	3.6000e-004	19.9671
General Light Industry	4.4635e+006	0.0241	0.2188	0.1838	1.3100e-003		0.0166	0.0166		0.0166	0.0166	0.0000	238.1891	238.1891	4.5700e-003	4.3700e-003	239.6046
General Office Building	1.52372e+007	0.0822	0.7469	0.6274	4.4800e-003		0.0568	0.0568		0.0568	0.0568	0.0000	813.1148	813.1148	0.0156	0.0149	817.9467
Health Club	3.53492e+006	0.0191	0.1733	0.1456	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.6368	188.6368	3.6200e-003	3.4600e-003	189.7578
Medical Office Building	1.06405e+006	5.7400e-003	0.0522	0.0438	3.1000e-004		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	56.7818	56.7818	1.0900e-003	1.0400e-003	57.1192
Office Park	2.64e+006	0.0142	0.1294	0.1087	7.8000e-004		9.8400e-003	9.8400e-003		9.8400e-003	9.8400e-003	0.0000	140.8805	140.8805	2.7000e-003	2.5800e-003	141.7176
Retirement Community	1.22386e+006	6.6000e-003	0.0564	0.0240	3.6000e-004		4.5600e-003	4.5600e-003		4.5600e-003	4.5600e-003	0.0000	65.3099	65.3099	1.2500e-003	1.2000e-003	65.6980
Unenclosed Parking with	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.2878	2.5460	1.6830	0.0157		0.1988	0.1988		0.1988	0.1988	0.0000	2,848.0662	2,848.0662	0.0546	0.0522	2,864.9909

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.0486e+07	563.9157	0.0951	9.5100e-003	569.1287
Arena	683631	36.7642	6.2000e-003	6.2000e-004	37.1041
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	330268	17.7611	3.0000e-003	3.0000e-004	17.9253
Convenience Market (24 Hour)	74830	4.0242	6.8000e-004	7.0000e-005	4.0614
General Heavy Industry	116466	6.2633	1.0600e-003	1.1000e-004	6.3212
General Light Industry	1.39759e+006	75.1596	0.0127	1.2700e-003	75.8544
General Office Building	1.65962e+007	892.5070	0.1506	0.0151	900.7576
Health Club	1.10684e+006	59.5235	0.0100	1.0000e-003	60.0738
Medical Office Building	1.15895e+006	62.3259	0.0105	1.0500e-003	62.9021
Office Park	2.44375e+006	131.4198	0.0222	2.2200e-003	132.6347
Retirement Community	544745	29.2952	4.9400e-003	4.9000e-004	29.5661
Unenclosed Parking with Elevators	547856	29.4626	4.9700e-003	5.0000e-004	29.7349
Total		1,908.4221	0.3219	0.0322	1,926.0641

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.02164e+007	549.4149	0.0927	9.2700e-003	554.4939
Arena	683631	36.7642	6.2000e-003	6.2000e-004	37.1041
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	330268	17.7611	3.0000e-003	3.0000e-004	17.9253
Convenience Market (24 Hour)	74830	4.0242	6.8000e-004	7.0000e-005	4.0614
General Heavy Industry	116466	6.2633	1.0600e-003	1.1000e-004	6.3212
General Light Industry	1.39759e+006	75.1596	0.0127	1.2700e-003	75.8544
General Office Building	1.65962e+007	892.5070	0.1506	0.0151	900.7576
Health Club	1.10684e+006	59.5235	0.0100	1.0000e-003	60.0738
Medical Office Building	1.15895e+006	62.3259	0.0105	1.0500e-003	62.9021
Office Park	2.44375e+006	131.4198	0.0222	2.2200e-003	132.6347
Retirement Community	531648	28.5909	4.8200e-003	4.8000e-004	28.8552
Unenclosed Parking with Elevators	547856	29.4626	4.9700e-003	5.0000e-004	29.7349
Total		1,893.2171	0.3194	0.0320	1,910.7185

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Electric Lawnmower
- Use Electric Leafblower
- Use Electric Chainsaw
- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.5017	0.3414	28.2591	1.2800e-003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335
Unmitigated	23.8882	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	6.0793					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.6942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1146	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527
Total	23.8882	0.4291	37.2041	1.9700e-003		0.2070	0.2070		0.2070	0.2070	0.0000	60.9981	60.9981	0.0582	0.0000	62.4527

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.2167					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.6942					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5909	0.3414	28.2591	1.2800e-003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335
Total	18.5017	0.3414	28.2591	1.2800e-003		0.1544	0.1544		0.1544	0.1544	0.0000	42.6722	42.6722	0.0305	0.0000	43.4335

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	63.2576	3.3940	0.0805	172.1037
Unmitigated	79.0720	4.2424	0.1007	215.1297

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	130 / 0	79.0720	4.2424	0.1007	215.1297
Arena	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Office Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevators	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		79.0720	4.2424	0.1007	215.1297

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	104 / 0	63.2576	3.3940	0.0805	172.1037
Arena	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0 / 0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Office Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Plantings	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		63.2576	3.3940	0.0805	172.1037

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	131.0226	7.7432	0.0000	324.6028
Unmitigated	222.0721	13.1241	0.0000	550.1743

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	1094	222.0721	13.1241	0.0000	550.1743
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Office Park	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000

Unenclosed Parking with Electricity	0	0.0000	0.0000	0.0000	0.0000
Total		222.0721	13.1241	0.0000	550.1743

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	645.46	131.0226	7.7432	0.0000	324.6028
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
General Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Office Park	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Electricity	0	0.0000	0.0000	0.0000	0.0000
Total		131.0226	7.7432	0.0000	324.6028

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

The maximum pounds per day in row 11 is summed over overlapping phases, but the maximum tons per phase in row 34 is not summed over overlapping phases.

Daily Emission Estimates for -> Master Plan Infrastructure														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	PM10 (lbs/day)	PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	2.35	25.98	11.90	24.30	0.30	24.00	5.26	0.26	4.99	0.06	6,076.18	0.21	0.05	6,096.08
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	2.35	25.98	11.90	24.30	0.30	24.00	5.26	0.26	4.99	0.06	6,076.18	0.21	0.05	6,096.08
Total (tons/construction project)	0.09	1.03	0.47	0.96	0.01	0.95	0.21	0.01	0.20	0.00	240.62	0.01	0.00	241.40
Notes: Project Start Year -> 2035														
Project Length (months) -> 12														
Total Project Area (acres) -> 1														
Maximum Area Disturbed/Day (acres) -> 1														
Water Truck Used? -> No														
Total Material Imported/Exported Volume (yd³/day)														
Daily VMT (miles/day)														
Phase Soil Asphalt Soil Hauling Asphalt Hauling Worker Commute Water Truck														
Grubbing/Land Clearing 0 0 0 0 0 0														
Grading/Excavation 0 0 0 0 0 0														
Drainage/Utilities/Sub-Grade 0 0 0 0 600 0														
Paving 0 0 0 0 0 0														
PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.														
Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.														
CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.														
Total Emission Estimates by Phase for -> Master Plan Infrastructure														
Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	PM10 (tons/phase)	PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	0.09	1.03	0.47	0.96	0.01	0.95	0.21	0.01	0.20	0.00	240.62	0.01	0.00	219.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.09	1.03	0.47	0.96	0.01	0.95	0.21	0.01	0.20	0.00	240.62	0.01	0.00	219.00
Total (tons/construction project)	0.09	1.03	0.47	0.96	0.01	0.95	0.21	0.01	0.20	0.00	240.62	0.01	0.00	219.00
PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.														
Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.														
CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1, 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.														
The CO2e emissions are reported as metric tons per phase.														

	Months
Grubbing/Land Clearing	0.00
Grading/Excavation	0.00
Drainage/Utilities/Sub-Grade	3.60
Paving	0.00

Program Calculated Activity Fractions		
start date		end date
1/1/2035		12/31/2034
1/1/2035		12/31/2034
1/1/2035		4/20/2035
4/21/2035		4/20/2035

Program Calculated Activity Fractions		
start date		end date
1/1/2035		12/31/2034
1/1/2035		12/31/2034
1/1/2035		4/20/2035
4/21/2035		4/20/2035

Program Calculated Activity Fractions		
start date		end date
1/1/2035		12/31/2034
1/1/2035		12/31/2034
1/1/2035		4/20/2035
4/21/2035		4/20/2035

Program Calculated Activity Fractions		
start date		end date
1/1/2035		12/31/2034
1/1/2035		12/31/2034
1/1/2035		4/20/2035
4/21/2035		4/20/2035

Program Calculated Activity Fractions		
start date		end date
1/1/2035		12/31/2034
1/1/2035		12/31/2034
1/1/2035		4/20/2035
4/21/2035		4/20/2035

Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions											
User Input		User Override of Worker Commute Default Values		Default Values		Calculated					
Miles/ one-way trip				20		0					
One-way trips/day				2		Daily Trips		Calculated Daily VMT			
No. of employees: Grubbing/Land Clearing		0		7		0		0.00			
No. of employees: Grading/Excavation		0		22		30		600.00			
No. of employees: Drainage/Utilities/Sub-Grade				15							
No. of employees: Paving		0		12		0		0.00			
Emission Rates		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/mile)		0.00	0.49	0.02	0.05	0.02	0.00	230.02	0.00	0.00	231.06
Paving (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)		0.51	1.94	0.14	0.00	0.00	0.00	48.69	0.03	0.02	55.58
Paving (grams/trip)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade		0.04	0.78	0.04	0.06	0.02	0.00	307.49	0.00	0.01	309.32
Tons per const. Period - Drainage/Utilities/Sub-Grade		0.00	0.03	0.00	0.00	0.00	0.00	12.18	0.00	0.00	12.25
Pounds per day - Paving		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project		0.00	0.03	0.00	0.00	0.00	0.00	12.18	0.00	0.00	12.25

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions											
User Input		User Override of Default # Water Trucks		Program Estimate of Number of Water Trucks		User Override of Truck Round Trips/Vehicle/Day		Default Values Round Trips/Vehicle/Day		Calculated Trips/day	
Grubbing/Land Clearing - Exhaust		0						5		0	
Grading/Excavation - Exhaust		0						5		0	
Drainage/Utilities/Subgrade		0						5		0	
Paving		0						5		0	
Emission Rates		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/mile)		0.03	0.43	3.26	0.11	0.05	0.01	1,484.35	0.00	0.23	1,553.92
Paving (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)		0.00	0.00	4.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Pounds per day - Grubbing/Land Clearing		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust		User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			0.00	0.00	0.00	0.00	0.00
Fugitive Dust - Drainage/Utilities/Subgrade			1.20	24.00	0.95	4.99	0.20

Off-Road Equipment Emissions														
Grubbing/Land Clearing		Default Number of Vehicles	Mitigation Option Override of	Default	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles		Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
					Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment														
If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab					ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Tier		Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing				pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing				tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation		Default	Mitigation Option	Default	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
		Number of Vehicles	Override of											
Override of Default Number of Vehicles		Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)		pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		0	Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1	Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		3	Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2	Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2	Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1	Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2	Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2	Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		4	Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment					ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab			pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation					pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation					tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Drainage/Utilities/Subgrade	Default		Mitigation Option		Default	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
	Number of Vehicles	Override of	Default												
Override of Default Number of Vehicles		Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
		1		Model Default Tier	Aerial Lifts	0.00	0.00	1.01	0.01	0.01	0.00	375.26	0.01	0.00	0.00
				Model Default Tier	Air Compressors	0.16	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	376.45
				Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1		Model Default Tier	Generator Sets	0.17	3.63	1.60	0.02	0.02	0.01	623.04	0.02	0.00	624.82
		1		Model Default Tier	Graders	0.27	1.54	0.61	0.02	0.02	0.01	768.47	0.02	0.01	770.77
				Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1		Model Default Tier	Plate Compactors	0.04	0.21	0.25	0.01	0.01	0.00	34.48	0.00	0.00	34.65
				Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1		Model Default Tier	Pumps	0.19	3.68	1.61	0.02	0.02	0.01	623.04	0.02	0.00	624.84
				Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1		Model Default Tier	Rough Terrain Forklifts	0.18	2.63	1.08	0.01	0.01	0.00	400.92	0.02	0.00	402.23
				Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		1		Model Default Tier	Scrapers	0.70	3.49	2.09	0.08	0.08	0.02	1,765.67	0.06	0.01	1,771.18
		2		Model Default Tier	Signal Boards	0.11	0.60	0.72	0.03	0.03	0.00	98.63	0.01	0.00	99.13
				Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		3		Model Default Tier	Tractors/Loaders/Backhoes	0.49	7.03	2.89	0.04	0.04	0.01	1,079.19	0.04	0.01	1,082.70
				Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment															
Number of Vehicles		If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab				ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
0.00		Equipment Tier				Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A					0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							0	0.00							

Default		Mitigation Option		Default	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Paving	Number of Vehicles	Override of	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)											
Override of Default Number of Vehicles		Program-estimate	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1		Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2		Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3		Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User-Defined Off-road Equipment					ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00			N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					pounds per day		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					tons per phase		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>						0.09	1.00	0.47	0.01	0.01	0.00	228.44	0.01	229.16

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day	Horsepower Load Factor adjustment	
Aerial Lifts		63		8	63.00	0.31
Air Compressors		78		8	78.00	0.48
Bore/Drill Rigs		221		8	221.00	0.50
Cement and Mortar Mixers		9		8	9.00	0.58
Concrete/Industrial Saws		81		8	81.00	0.73
Cranes		231		8	231.00	0.29
Crawler Tractors		212		8	212.00	0.43
Crushing/Proc. Equipment		85		8	85.00	0.78
Excavators		158		8	158.00	0.38
Forklifts		89		8	89.00	0.20
Generator Sets		84		8	84.00	0.74
Graders		187		8	187.00	0.41
Off-Highway Tractors		124		8	124.00	0.44
Off-Highway Trucks		402		8	402.00	0.38
Other Construction Equipment		172		8	172.00	0.42
Other General Industrial Equipment		88		8	88.00	0.34
Other Material Handling Equipment		168		8	168.00	0.40
Pavers		130		8	130.00	0.42
Paving Equipment		132		8	132.00	0.36
Plate Compactors		8		8	8.00	0.43
Pressure Washers		13		8	13.00	0.30
Pumps		84		8	84.00	0.74
Rollers		80		8	80.00	0.38
Rough Terrain Forklifts		100		8	100.00	0.40
Rubber Tired Dozers		247		8	247.00	0.40
Rubber Tired Loaders		203		8	203.00	0.36
Scrapers		367		8	367.00	0.48
Signal Boards		6		8	6.00	0.82
Skid Steer Loaders		65		8	65.00	0.37
Surfacing Equipment		263		8	263.00	0.30
Sweepers/Scrubbers		64		8	64.00	0.46
Tractors/Loaders/Backhoes		97		8	97.00	0.37
Trenchers		78		8	78.00	0.50
Welders		46		8	46.00	0.45

END OF DATA ENTRY SHEET

truck

Worker Commute Truck Emissions (EMFAC2017 - web 1.0.2, weighted LDT1 and LDT2 emission factor based on VMT and trips)

Running Exhaust (g/mi)																																		
ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0704	-	-	-	-	2.5553	-	-	-	-	0.2855	-	-	-	-	0.0024	-	-	-	-	0.0022	-	-	-	-	0.0041	-	-	-	-	409.67	-	-	-	-
0.0597	-	-	-	-	2.2699	-	-	-	-	0.2490	-	-	-	-	0.0022	-	-	-	-	0.0020	-	-	-	-	0.0040	-	-	-	-	403.60	-	-	-	-
0.0491	-	-	-	-	1.9702	-	-	-	-	0.2095	-	-	-	-	0.0020	-	-	-	-	0.0019	-	-	-	-	0.0039	-	-	-	-	393.85	-	-	-	-
0.0405	-	-	-	-	1.7329	-	-	-	-	0.1791	-	-	-	-	0.0019	-	-	-	-	0.0018	-	-	-	-	0.0038	-	-	-	-	384.27	-	-	-	-
0.0335	-	-	-	-	1.5296	-	-	-	-	0.1530	-	-	-	-	0.0019	-	-	-	-	0.0017	-	-	-	-	0.0037	-	-	-	-	374.22	-	-	-	-
0.0279	-	-	-	-	1.3662	-	-	-	-	0.1307	-	-	-	-	0.0018	-	-	-	-	0.0017	-	-	-	-	0.0036	-	-	-	-	361.65	-	-	-	-
0.0236	-	-	-	-	1.2220	-	-	-	-	0.1123	-	-	-	-	0.0018	-	-	-	-	0.0016	-	-	-	-	0.0035	-	-	-	-	350.90	-	-	-	-
0.0204	-	-	-	-	1.1018	-	-	-	-	0.0968	-	-	-	-	0.0017	-	-	-	-	0.0016	-	-	-	-	0.0034	-	-	-	-	339.80	-	-	-	-
0.0178	-	-	-	-	1.0001	-	-	-	-	0.0838	-	-	-	-	0.0016	-	-	-	-	0.0015	-	-	-	-	0.0033	-	-	-	-	328.72	-	-	-	-
0.0154	-	-	-	-	0.9126	-	-	-	-	0.0726	-	-	-	-	0.0015	-	-	-	-	0.0014	-	-	-	-	0.0031	-	-	-	-	317.66	-	-	-	-
0.0134	-	-	-	-	0.8386	-	-	-	-	0.0632	-	-	-	-	0.0015	-	-	-	-	0.0014	-	-	-	-	0.0030	-	-	-	-	306.70	-	-	-	-
0.0117	-	-	-	-	0.7754	-	-	-	-	0.0554	-	-	-	-	0.0014	-	-	-	-	0.0013	-	-	-	-	0.0029	-	-	-	-	295.84	-	-	-	-
0.0103	-	-	-	-	0.7225	-	-	-	-	0.0491	-	-	-	-	0.0014	-	-	-	-	0.0013	-	-	-	-	0.0028	-	-	-	-	285.85	-	-	-	-
0.0091	-	-	-	-	0.6774	-	-	-	-	0.0437	-	-	-	-	0.0013	-	-	-	-	0.0012	-	-	-	-	0.0027	-	-	-	-	276.66	-	-	-	-
0.0081	-	-	-	-	0.6398	-	-	-	-	0.0393	-	-	-	-	0.0012	-	-	-	-	0.0011	-	-	-	-	0.0027	-	-	-	-	268.32	-	-	-	-
0.0072	-	-	-	-	0.6075	-	-	-	-	0.0355	-	-	-	-	0.0011	-	-	-	-	0.0010	-	-	-	-	0.0026	-	-	-	-	260.77	-	-	-	-
0.0065	-	-	-	-	0.5801	-	-	-	-	0.0324	-	-	-	-	0.0011	-	-	-	-	0.0010	-	-	-	-	0.0025	-	-	-	-	254.00	-	-	-	-
0.0059	-	-	-	-	0.5565	-	-	-	-	0.0297	-	-	-	-	0.0010	-	-	-	-	0.0009	-	-	-	-	0.0025	-	-	-	-	247.95	-	-	-	-
0.0053	-	-	-	-	0.5366	-	-	-	-	0.0275	-	-	-	-	0.0009	-	-	-	-	0.0009	-	-	-	-	0.0024	-	-	-	-	242.57	-	-	-	-
0.0048	-	-	-	-	0.5196	-	-	-	-	0.0257	-	-	-	-	0.0009	-	-	-	-	0.0008	-	-	-	-	0.0024	-	-	-	-	237.82	-	-	-	-
0.0044	-	-	-	-	0.5049	-	-	-	-	0.0242	-	-	-	-	0.0008	-	-	-	-	0.0008	-	-	-	-	0.0023	-	-	-	-	233.65	-	-	-	-
0.0041	-	-	0.0041	-	0.4922	-	-	0.4922	-	0.0229	-	-	0.0229	-	0.0008	-	-	0.0008	-	0.0007	-	-	0.0007	-	0.0023	-	-	0.0023	-	230.02	-	-	230.0208	-
0.0037	-	-	-	-	0.4811	-	-	-	-	0.0219	-	-	-	-	0.0008	-	-	-	-	0.0007	-	-	-	-	0.0022	-	-	-	-	226.88	-	-	-	-
0.0035	-	-	-	-	0.4719	-	-	-	-	0.0211	-	-	-	-	0.0007	-	-	-	-	0.0007	-	-	-	-	0.0022	-	-	-	-	224.18	-	-	-	-
0.0033	-	-	-	-	0.4637	-	-	-	-	0.0203	-	-	-	-	0.0007	-	-	-	-	0.0006	-	-	-	-	0.0022	-	-	-	-	221.88	-	-	-	-
0.0030	-	-	-	-	0.4566	-	-	-	-	0.0197	-	-	-	-	0.0007	-	-	-	-	0.0006	-	-	-	-	0.0022	-	-	-	-	219.91	-	-	-	-
0.0029	-	-	-	-	0.4506	-	-	-	-	0.0191	-	-	-	-	0.0006	-	-	-	-	0.0006	-	-	-	-	0.0022	-	-	-	-	218.24	-	-	-	-
0.0027					0.4452					0.0187					0.0006					0.0006					0.0021					216.83				
0.0026					0.4404					0.0183					0.0006					0.0005					0.0021					215.62				
0.0025					0.4367					0.0180					0.0006					0.0005					0.0021					214.60				
0.0024					0.4339					0.0178					0.0006					0.0005					0.0021					213.74				
0.0023					0.4317					0.0177					0.0006					0.0005					0.0021					213.01				
0.0023					0.4300					0.0176					0.0005					0.0005					0.0021					212.41				
0.0023					0.4286					0.0175					0.0005					0.0005					0.0021					211.91				
0.0023					0.4274					0.0174					0.0005					0.0005					0.0021					211.49				
0.0022					0.4268					0.0174					0.0005					0.0005					0.0021					211.13				
0.0022					0.4264					0.0174					0.0005					0.0005					0.0021					210.84				
	-	-	0.0041	-		-	-	0.4922	-		-	-	0.0229	-		-	-	0.0008	-		-	-	0.0007	-		-	-	0.0023	-		-	230.0208	-	

Running Exhaust (g/mi)																																			
ROG	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	CO	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	NOx	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	PM10	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	PM2.5	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	SOx	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	CO2	Weighted-Grubbing	Weighted-Grading	Weighted-Drainage	Weighted-Paving	
1.8521	-	-	-	-	4.0026	-	-	-	-	15.4709	-	-	-	-	0.6277	-	-	-	-	0.6006	-	-	-	-	0.0194	-	-	-	-	2.051.88	-	-	-	-	
1.5946	-	-	-	-	3.4621	-	-	-	-	13.7491	-	-	-	-	0.5266	-	-	-	-	0.5038	-	-	-	-	0.0190	-	-	-	-	2.013.26	-	-	-	-	
1.2921	-	-	-	-	2.8379	-	-	-	-	11.7429	-	-	-	-	0.4128	-	-	-	-	0.3949	-	-	-	-	0.0187	-	-	-	-	1.975.24	-	-	-	-	
1.0636	-	-	-	-	2.3588	-	-	-	-	10.5229	-	-	-	-	0.3263	-	-	-	-	0.3122	-	-	-	-	0.0184	-	-	-	-	1.948.96	-	-	-	-	
0.9069	-	-	-	-	2.0416	-	-	-	-	9.6970	-	-	-	-	0.2691	-	-	-	-	0.2574	-	-	-	-	0.0182	-	-	-	-	1.929.01	-	-	-	-	
0.7863	-	-	-	-	1.7985	-	-	-	-	9.0623	-	-	-	-	0.2257	-	-	-	-	0.2160	-	-	-	-	0.0180	-	-	-	-	1.910.50	-	-	-	-	
0.5270	-	-	-	-	1.2976	-	-	-	-	7.5546	-	-	-	-	0.1419	-	-	-	-	0.1358	-	-	-	-	0.0179	-	-	-	-	1.892.05	-	-	-	-	
0.4260	-	-	-	-	1.1373	-	-	-	-	6.4922	-	-	-	-	0.1153	-	-	-	-	0.1103	-	-	-	-	0.0176	-	-	-	-	1.859.78	-	-	-	-	
0.1785	-	-	-	-	0.6644	-	-	-	-	4.7102	-	-	-	-	0.0442	-	-	-	-	0.0423	-	-	-	-	0.0169	-	-	-	-	1.793.76	-	-	-	-	
0.0441	-	-	-	-	0.4262	-	-	-	-	3.5373	-	-	-	-	0.0180	-	-	-	-	0.0173	-	-	-	-	0.0163	-	-	-	-	1.726.74	-	-	-	-	
0.0423	-	-	-	-	0.4266	-	-	-	-	3.4943	-	-	-	-	0.0176	-	-	-	-	0.0169	-	-	-	-	0.0161	-	-	-	-	1.704.13	-	-	-	-	
0.0406	-	-	-	-	0.4273	-	-	-	-	3.4600	-	-	-	-	0.0173	-	-	-	-	0.0165	-	-	-	-	0.0159	-	-	-	-	1.682.27	-	-	-	-	
0.0391	-	-	-	-	0.4279	-	-	-	-	3.4290	-	-	-	-	0.0170	-	-	-	-	0.0163	-	-	-	-	0.0157	-	-	-	-	1.660.70	-	-	-	-	
0.0378	-	-	-	-	0.4281	-	-	-	-	3.4003	-	-	-	-	0.0167	-	-	-	-	0.0160	-	-	-	-	0.0155	-	-	-	-	1.636.36	-	-	-	-	
0.0367	-	-	-	-	0.4288	-	-	-	-	3.3809	-	-	-	-	0.0166	-	-	-	-	0.0158	-	-	-	-	0.0153	-	-	-	-	1.614.47	-	-	-	-	
0.0359	-	-	-	-	0.4297	-	-	-	-	3.3699	-	-	-	-	0.0164	-	-	-	-	0.0157	-	-	-	-	0.0151	-	-	-	-	1.595.53	-	-	-	-	
0.0351	-	-	-	-	0.4306	-	-	-	-	3.3633	-	-	-	-	0.0164	-	-	-	-	0.0156	-	-	-	-	0.0149	-	-	-	-	1.577.22	-	-	-	-	
0.0345	-	-	-	-	0.4315	-	-	-	-	3.3580	-	-	-	-	0.0163	-	-	-	-	0.0156	-	-	-	-	0.0147	-	-	-	-	1.559.82	-	-	-	-	
0.0339	-	-	-	-	0.4322	-	-	-	-	3.3517	-	-	-	-	0.0162	-	-	-	-	0.0155	-	-	-	-	0.0146	-	-	-	-	1.542.35	-	-	-	-	
0.0334	-	-	-	-	0.4325	-	-	-	-	3.3446	-	-	-	-	0.0162	-	-	-	-	0.0155	-	-	-	-	0.0144	-	-	-	-	1.524.68	-	-	-	-	
0.0330	-	-	-	-	0.4325	-	-	-	-	3.3345	-	-	-	-	0.0161	-	-	-	-	0.0154	-	-	-	-	0.0142	-	-	-	-	1.505.70	-	-	-	-	
0.0326	-	-	0.0326	-	0.4321	-	-	0.4321	-	3.3228	-	-	3.3228	-	0.0160	-	-	0.0160	-	0.0153	-	-	0.0153	-	0.0140	-	-	0.0140	-	1.486.40	-	-	1,486.4040	-	
0.0323	-	-	-	-	0.4320	-	-	-	-	3.3141	-	-	-	-	0.0159	-	-	-	-	0.0153	-	-	-	-	0.0139	-	-	-	-	1,468.71	-	-	-	-	
0.0321	-	-	-	-	0.4317	-	-	-	-	3.3050	-	-	-	-	0.0159	-	-	-	-	0.0152	-	-	-	-	0.0137	-	-	-	-	1,451.01	-	-	-	-	
0.0319	-	-	-	-	0.4314	-	-	-	-	3.2967	-	-	-	-	0.0158	-	-	-	-	0.0152	-	-	-	-	0.0135	-	-	-	-	1,433.92	-	-	-	-	
0.0317	-	-	-	-	0.4312	-	-	-	-	3.2899	-	-	-	-	0.0158	-	-	-	-	0.0151	-	-	-	-	0.0134	-	-	-	-	1,418.12	-	-	-	-	
0.0315	-	-	-	-	0.4308	-	-	-	-	3.2821	-	-	-	-	0.0157	-	-	-	-	0.0151	-	-	-	-	0.0132	-	-	-	-	1,402.47	-	-	-	-	
0.0314					0.4305					3.2754					0.0157					0.0150					0.0131					1,387.78					
0.0313					0.4302					3.2703					0.0157					0.0150					0.0130					1,374.40					
0.0312					0.4300					3.2653					0.0156					0.0150					0.0129					1,361.89					
0.0311					0.4298					3.2610					0.0156					0.0149					0.0128					1,350.53					
0.0310					0.4296					3.2578					0.0156					0.0149					0.0127					1,340.26					
0.0309					0.4295					3.2551					0.0156					0.0149					0.0126					1,330.92					
0.0309					0.4294					3.2533					0.0156					0.0149					0.0125					1,322.66					
0.0309					0.4293					3.2519					0.0156					0.0149					0.0124					1,315.21					
0.0309					0.4292					3.2510					0.0156					0.0149					0.0124					1,308.68					
0.0308					0.4292					3.2504					0.0155					0.0149					0.0123					1,305.67					
	-	-	-	0.0326	-	-	-	0.4321	-	-	-	-	3.3228	-	-	-	-	0.0160	-	-	-	-	0.0153	-	-	-	-	0.0140	-	-	-	1,486.4040	-	-	-
ROG_RUNEX	ROG_RUNEX	ROG_RUNEX	ROG_RUNEX	ROG_RUNEX	CO_RUNEX	CO_RUNEX	CO_RUNEX	CO_RUNEX	NOx_RUNEX	NOx_RUNEX	NOx_RUNEX	NOx_RUNEX	NOx_RUNEX	NOx_RUNEX	PM10_RUNEX	PM10_RUNEX	PM10_RUNEX	PM10_RUNEX	PM10_RUNEX	PM2.5_RUNEX	PM2.5_RUNEX	PM2.5_RUNEX	PM2.5_RUNEX	PM2.5_RUNEX	SOx_RUNEX	SOx_RUNEX	SOx_RUNEX	SOx_RUNEX	SOx_RUNEX	CO2_RUNEX	CO2_RUNEX	CO2_RUNEX	CO2_RUNEX	CO2_RUNEX	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	

										Tire Wear (g/mi)										Break Wear (g/mi)														
CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0138	-	-	-	-	0.0181	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.7527	-	-	-	-
0.0120	-	-	-	-	0.0163	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.6956	-	-	-	-
0.0102	-	-	-	-	0.0142	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.6302	-	-	-	-
0.0087	-	-	-	-	0.0125	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.5768	-	-	-	-
0.0074	-	-	-	-	0.0111	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.5284	-	-	-	-
0.0064	-	-	-	-	0.0099	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.4844	-	-	-	-
0.0055	-	-	-	-	0.0088	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.4435	-	-	-	-
0.0048	-	-	-	-	0.0079	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.4068	-	-	-	-
0.0042	-	-	-	-	0.0072	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.3727	-	-	-	-
0.0037	-	-	-	-	0.0065	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.3412	-	-	-	-
0.0033	-	-	-	-	0.0059	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.3121	-	-	-	-
0.0029	-	-	-	-	0.0054	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.2856	-	-	-	-
0.0026	-	-	-	-	0.0050	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.2618	-	-	-	-
0.0023	-	-	-	-	0.0047	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.2405	-	-	-	-
0.0021	-	-	-	-	0.0044	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.2216	-	-	-	-
0.0019	-	-	-	-	0.0042	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.2045	-	-	-	-
0.0017	-	-	-	-	0.0040	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1892	-	-	-	-
0.0016	-	-	-	-	0.0038	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1753	-	-	-	-
0.0015	-	-	-	-	0.0037	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1630	-	-	-	-
0.0013	-	-	-	-	0.0036	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1520	-	-	-	-
0.0013	-	-	-	-	0.0035	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1421	-	-	-	-
0.0012	-	-	0.0012	-	0.0034	-	-	0.0034	-	0.0080	-	-	0.0080	-	0.0020	0.0080	-	-	0.0020	0.0368	-	-	0.0368	-	0.0158	-	-	0.0158	-	0.1334	-	-	0.1334	-
0.0011	-	-	-	-	0.0033	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1255	-	-	-	-
0.0010	-	-	-	-	0.0033	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1188	-	-	-	-
0.0010	-	-	-	-	0.0032	-	-	-	-	0.0080	-	-	-	-	0.0020	0.0080	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1127	-	-	-	-
0.0009	-	-	-	-	0.0032	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1072	-	-	-	-
0.0009	-	-	-	-	0.0032	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-	0.0158	-	-	-	-	0.1023	-	-	-	-
0.0009					0.0031					0.0080					0.0020					0.0368					0.0158					0.0978				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0938				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0905				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0879				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0857				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0839				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0824				
0.0008					0.0031					0.0080					0.0020	0.0080				0.0368					0.0158					0.0810				
0.0008					0.0031					0.0080					0.0020					0.0368					0.0158					0.0803				
0.0007					0.0031					0.0080					0.0020					0.0368					0.0158					0.0797				
	-	-	0.0012	-		-	-	0.0034	-		-	-	0.0080	-		-	-	0.0020	-		-	-	0.0368	-		-	0.0158	-		-	-	0.1334	-	

										Tire Wear (g/mi)										Break Wear (g/mi)																			
CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving					
0.0860	-	-	-	-	0.3221	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0741	-	-	-	-	0.3185	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0600	-	-	-	-	0.3105	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0494	-	-	-	-	0.3063	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0421	-	-	-	-	0.3032	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0365	-	-	-	-	0.3003	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0245	-	-	-	-	0.2974	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0198	-	-	-	-	0.2923	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0083	-	-	-	-	0.2820	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0020	-	-	-	-	0.2714	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0020	-	-	-	-	0.2679	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0019	-	-	-	-	0.2644	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0018	-	-	-	-	0.2610	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0018	-	-	-	-	0.2572	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0017	-	-	-	-	0.2538	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0017	-	-	-	-	0.2508	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0016	-	-	-	-	0.2479	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0016	-	-	-	-	0.2452	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0016	-	-	-	-	0.2424	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0016	-	-	-	-	0.2397	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2367	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	0.0015	-	0.2336	-	-	0.2336	-	0.0360	-	-	-	0.0360	0.0090	-	-	0.0090	-	0.0617	-	-	0.0617	-	0.0265	-	-	-	0.0265	-	-	-	-	-					
0.0015	-	-	-	-	0.2309	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2281	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2254	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2229	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2204	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2181	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0015	-	-	-	-	0.2160	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2141	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2123	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2107	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2092	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2079	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2067	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2057	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
0.0014	-	-	-	-	0.2052	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-	0.0265	-	-	-	-	-	-	-	-	-					
CH4_RUNEX-CH4_RUNEX-CH4_RUNEX-CH4_RUNEX-CH4_RUNEX-N2O_RUNEX-N2O_RUNEX-N2O_RUNEX-N2O_RUNEX-PM10_PMTW-PM10_PMTW-PM10_PMTW-PM10_PMTW-PM10_PMTW-PM10_PMTW-PM10_PMTW-PM2.5_PMTV-PM2.5_PMTV-PM2.5_PMTV-PM2.5_PMTV-PM2.5_PMTV-PM2.5_PMTV-PM10_PMBW-PM10_PMBW-PM10_PMBW-PM10_PMBW-PM10_PMBW-PM10_PMBW-PM10_PMBW-PM2.5_PMBV-																																							

Start Emission Rate (g/trip)																																		
CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.0190	-	-	-	-	0.6216	-	-	-	-	0.0031	-	-	-	-	0.0029	-	-	-	-	0.0009	-	-	-	-	87.5208	-	-	-	-	0.1383	-	-	-	-
3.8179	-	-	-	-	0.5770	-	-	-	-	0.0028	-	-	-	-	0.0026	-	-	-	-	0.0009	-	-	-	-	86.0133	-	-	-	-	0.1296	-	-	-	-
3.6099	-	-	-	-	0.5246	-	-	-	-	0.0026	-	-	-	-	0.0024	-	-	-	-	0.0008	-	-	-	-	83.8089	-	-	-	-	0.1195	-	-	-	-
3.4426	-	-	-	-	0.4818	-	-	-	-	0.0025	-	-	-	-	0.0023	-	-	-	-	0.0008	-	-	-	-	81.6615	-	-	-	-	0.1109	-	-	-	-
3.2975	-	-	-	-	0.4429	-	-	-	-	0.0024	-	-	-	-	0.0022	-	-	-	-	0.0008	-	-	-	-	79.4925	-	-	-	-	0.1030	-	-	-	-
3.1722	-	-	-	-	0.4072	-	-	-	-	0.0023	-	-	-	-	0.0021	-	-	-	-	0.0008	-	-	-	-	77.3046	-	-	-	-	0.0958	-	-	-	-
3.0526	-	-	-	-	0.3743	-	-	-	-	0.0022	-	-	-	-	0.0021	-	-	-	-	0.0007	-	-	-	-	75.0804	-	-	-	-	0.0889	-	-	-	-
2.9457	-	-	-	-	0.3441	-	-	-	-	0.0021	-	-	-	-	0.0020	-	-	-	-	0.0007	-	-	-	-	72.8141	-	-	-	-	0.0826	-	-	-	-
2.8473	-	-	-	-	0.3161	-	-	-	-	0.0021	-	-	-	-	0.0019	-	-	-	-	0.0007	-	-	-	-	70.5352	-	-	-	-	0.0766	-	-	-	-
2.7522	-	-	-	-	0.2905	-	-	-	-	0.0020	-	-	-	-	0.0018	-	-	-	-	0.0007	-	-	-	-	68.2582	-	-	-	-	0.0710	-	-	-	-
2.6593	-	-	-	-	0.2674	-	-	-	-	0.0019	-	-	-	-	0.0017	-	-	-	-	0.0007	-	-	-	-	65.9892	-	-	-	-	0.0657	-	-	-	-
2.5641	-	-	-	-	0.2465	-	-	-	-	0.0018	-	-	-	-	0.0017	-	-	-	-	0.0006	-	-	-	-	63.7286	-	-	-	-	0.0608	-	-	-	-
2.4733	-	-	-	-	0.2282	-	-	-	-	0.0017	-	-	-	-	0.0016	-	-	-	-	0.0006	-	-	-	-	61.5915	-	-	-	-	0.0564	-	-	-	-
2.3887	-	-	-	-	0.2121	-	-	-	-	0.0017	-	-	-	-	0.0015	-	-	-	-	0.0006	-	-	-	-	59.6022	-	-	-	-	0.0524	-	-	-	-
2.3132	-	-	-	-	0.1979	-	-	-	-	0.0016	-	-	-	-	0.0015	-	-	-	-	0.0006	-	-	-	-	57.7665	-	-	-	-	0.0488	-	-	-	-
2.2428	-	-	-	-	0.1854	-	-	-	-	0.0015	-	-	-	-	0.0014	-	-	-	-	0.0006	-	-	-	-	56.0705	-	-	-	-	0.0455	-	-	-	-
2.1798	-	-	-	-	0.1746	-	-	-	-	0.0014	-	-	-	-	0.0013	-	-	-	-	0.0005	-	-	-	-	54.5181	-	-	-	-	0.0426	-	-	-	-
2.1229	-	-	-	-	0.1653	-	-	-	-	0.0013	-	-	-	-	0.0012	-	-	-	-	0.0005	-	-	-	-	53.1024	-	-	-	-	0.0399	-	-	-	-
2.0713	-	-	-	-	0.1574	-	-	-	-	0.0013	-	-	-	-	0.0012	-	-	-	-	0.0005	-	-	-	-	51.8200	-	-	-	-	0.0375	-	-	-	-
2.0247	-	-	-	-	0.1509	-	-	-	-	0.0012	-	-	-	-	0.0011	-	-	-	-	0.0005	-	-	-	-	50.6631	-	-	-	-	0.0354	-	-	-	-
1.9825	-	-	-	-	0.1455	-	-	-	-	0.0011	-	-	-	-	0.0010	-	-	-	-	0.0005	-	-	-	-	49.6225	-	-	-	-	0.0335	-	-	-	-
1.9446	-	-	1.9446	-	0.1410	-	-	0.1410	-	0.0011	-	-	0.0011	-	0.0010	-	-	0.0010	-	0.0005	-	-	0.0005	-	48.6946	-	-	48.6946	-	0.0318	-	-	0.0318	-
1.9105	-	-	-	-	0.1371	-	-	-	-	0.0010	-	-	-	-	0.0009	-	-	-	-	0.0005	-	-	-	-	47.8719	-	-	-	-	0.0303	-	-	-	-
1.8802	-	-	-	-	0.1341	-	-	-	-	0.0010	-	-	-	-	0.0009	-	-	-	-	0.0005	-	-	-	-	47.1514	-	-	-	-	0.0290	-	-	-	-
1.8532	-	-	-	-	0.1314	-	-	-	-	0.0009	-	-	-	-	0.0008	-	-	-	-	0.0005	-	-	-	-	46.5176	-	-	-	-	0.0278	-	-	-	-
1.8297	-	-	-	-	0.1293	-	-	-	-	0.0009	-	-	-	-	0.0008	-	-	-	-	0.0005	-	-	-	-	45.9630	-	-	-	-	0.0268	-	-	-	-
1.8090	-	-	-	-	0.1276	-	-	-	-	0.0008	-	-	-	-	0.0008	-	-	-	-	0.0005	-	-	-	-	45.4772	-	-	-	-	0.0259	-	-	-	-
1.7893					0.1260					0.0008					0.0007					0.0004					45.0510					0.0251				
1.7709					0.1246					0.0008					0.0007					0.0004					44.6697					0.0243				
1.7543					0.1233					0.0007					0.0007					0.0004					44.3376					0.0237				
1.7393					0.1222					0.0007					0.0007					0.0004					44.0500					0.0232				
1.7252					0.1210					0.0007					0.0006					0.0004					43.7930					0.0227				
1.7132					0.1202					0.0007					0.0006					0.0004					43.5729					0.0224				
1.7030					0.1195					0.0007					0.0006					0.0004					43.3863					0.0221				
1.6942					0.1189					0.0007					0.0006					0.0004					43.2255					0.0218				
1.6884					0.1191					0.0007					0.0006					0.0004					43.0885					0.0217				
1.6835					0.1192					0.0006					0.0006					0.0004					42.9714					0.0215				
	-	-	1.9446	-		-	-	0.1410	-		-	-	0.0011	-		-	-	0.0010	-		-	-	0.0005	-		-	-	48.6946	-		-	0.0318	-	

Start Emission Rate (g/trip)

CO	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Wiegthed - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
-	-	-	-	-	0.7041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	0.9920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	1.3666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	1.6510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	1.8960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	2.1278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	3.3137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	3.5166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	3.9869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4297	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4567	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4775	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.4948	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5330	-	-	4.5330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5372	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5413	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5598	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5610	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	4.5643	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	4.5330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CO_STREX-C CO_STREX-V CO_STREX-V CO_STREX-V CO_STREX-V NOx_STREX- NOx_STREX- NOx_STREX- NOx_STREX- NOx_STREX- PM10_STREX PM10_STREX PM10_STREX PM10_STREX PM10_STREX PM2.5_STREX PM2.5_STREX PM2.5_STREX PM2.5_STREX PM2.5_STREX SOx_STREX- SOx_STREX- SOx_STREX- SOx_STREX- SOx_STREX- CO2_STREX- CO2_STREX- CO2_STREX- CO2_STREX- CO2_STREX- CH4_STREX- CH4_STREX- CH4_STREX- CH4_STREX- CH4_STREX-
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105

					Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0490	-	-	-	-	0.2639	-	-	-	-	0.9011	-	-	-	-
0.0471	-	-	-	-	0.2518	-	-	-	-	0.8496	-	-	-	-
0.0447	-	-	-	-	0.2357	-	-	-	-	0.7864	-	-	-	-
0.0426	-	-	-	-	0.2223	-	-	-	-	0.7345	-	-	-	-
0.0407	-	-	-	-	0.2096	-	-	-	-	0.6901	-	-	-	-
0.0388	-	-	-	-	0.1981	-	-	-	-	0.6528	-	-	-	-
0.0370	-	-	-	-	0.1876	-	-	-	-	0.6198	-	-	-	-
0.0353	-	-	-	-	0.1781	-	-	-	-	0.5902	-	-	-	-
0.0335	-	-	-	-	0.1688	-	-	-	-	0.5637	-	-	-	-
0.0318	-	-	-	-	0.1599	-	-	-	-	0.5397	-	-	-	-
0.0301	-	-	-	-	0.1513	-	-	-	-	0.5173	-	-	-	-
0.0286	-	-	-	-	0.1433	-	-	-	-	0.4962	-	-	-	-
0.0272	-	-	-	-	0.1357	-	-	-	-	0.4759	-	-	-	-
0.0259	-	-	-	-	0.1283	-	-	-	-	0.4562	-	-	-	-
0.0248	-	-	-	-	0.1213	-	-	-	-	0.4357	-	-	-	-
0.0239	-	-	-	-	0.1143	-	-	-	-	0.4138	-	-	-	-
0.0230	-	-	-	-	0.1076	-	-	-	-	0.3920	-	-	-	-
0.0223	-	-	-	-	0.1008	-	-	-	-	0.3697	-	-	-	-
0.0217	-	-	-	-	0.0947	-	-	-	-	0.3491	-	-	-	-
0.0212	-	-	-	-	0.0890	-	-	-	-	0.3299	-	-	-	-
0.0208	-	-	-	-	0.0837	-	-	-	-	0.3120	-	-	-	-
0.0204	-	-	0.0204	-	0.0788	-	-	0.0788	-	0.2951	-	-	0.2951	-
0.0201	-	-	-	-	0.0743	-	-	-	-	0.2801	-	-	-	-
0.0199	-	-	-	-	0.0703	-	-	-	-	0.2667	-	-	-	-
0.0197	-	-	-	-	0.0666	-	-	-	-	0.2537	-	-	-	-
0.0196	-	-	-	-	0.0630	-	-	-	-	0.2413	-	-	-	-
0.0195	-	-	-	-	0.0599	-	-	-	-	0.2302	-	-	-	-
0.0194					0.0571					0.2206				
0.0193					0.0545					0.2114				
0.0192					0.0524					0.2051				
0.0192					0.0505					0.1994				
0.0191					0.0487					0.1939				
0.0190					0.0470					0.1891				
0.0190					0.0456					0.1850				
0.0190					0.0444					0.1814				
0.0190					0.0434					0.1782				
0.0190					0.0427					0.1754				
	-	-	0.0204	-		-	-	0.0788	-		-	-	0.2951	-

[illegible]

Light Duty Truck																				
Worker Commute Truck Emissions (EMFAC2017 - web 1.0.2, weighted LDT1 and LDT2 emission factor based on VMT and trips)																				
Year	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0055	-	-	-	-	0.5214	-	-	-	-	0.0236	-	-	-	-	0.0008	-	-	-	-
2015	0.0055	-	-	-	-	0.5173	-	-	-	-	0.0237	-	-	-	-	0.0010	-	-	-	-
2016	0.0055	-	-	-	-	0.5163	-	-	-	-	0.0238	-	-	-	-	0.0012	-	-	-	-
2017	0.0056	-	-	-	-	0.5153	-	-	-	-	0.0239	-	-	-	-	0.0013	-	-	-	-
2018	0.0056	-	-	-	-	0.5147	-	-	-	-	0.0239	-	-	-	-	0.0015	-	-	-	-
2019	0.0055	-	-	-	-	0.5170	-	-	-	-	0.0236	-	-	-	-	0.0015	-	-	-	-
2020	0.0054	-	-	-	-	0.5158	-	-	-	-	0.0232	-	-	-	-	0.0016	-	-	-	-
2021	0.0052	-	-	-	-	0.5136	-	-	-	-	0.0226	-	-	-	-	0.0015	-	-	-	-
2022	0.0051	-	-	-	-	0.5106	-	-	-	-	0.0220	-	-	-	-	0.0015	-	-	-	-
2023	0.0049	-	-	-	-	0.5066	-	-	-	-	0.0213	-	-	-	-	0.0014	-	-	-	-
2024	0.0047	-	-	-	-	0.5012	-	-	-	-	0.0205	-	-	-	-	0.0014	-	-	-	-
2025	0.0044	-	-	-	-	0.4942	-	-	-	-	0.0199	-	-	-	-	0.0013	-	-	-	-
2026	0.0042	-	-	-	-	0.4875	-	-	-	-	0.0193	-	-	-	-	0.0013	-	-	-	-
2027	0.0040	-	-	-	-	0.4813	-	-	-	-	0.0188	-	-	-	-	0.0012	-	-	-	-
2028	0.0038	-	-	-	-	0.4755	-	-	-	-	0.0184	-	-	-	-	0.0011	-	-	-	-
2029	0.0036	-	-	-	-	0.4701	-	-	-	-	0.0181	-	-	-	-	0.0011	-	-	-	-
2030	0.0035	-	-	-	-	0.4650	-	-	-	-	0.0178	-	-	-	-	0.0010	-	-	-	-
2031	0.0033	-	-	-	-	0.4603	-	-	-	-	0.0175	-	-	-	-	0.0010	-	-	-	-
2032	0.0032	-	-	-	-	0.4560	-	-	-	-	0.0174	-	-	-	-	0.0009	-	-	-	-
2033	0.0030	-	-	-	-	0.4521	-	-	-	-	0.0172	-	-	-	-	0.0009	-	-	-	-
2034	0.0029	-	-	-	-	0.4485	-	-	-	-	0.0171	-	-	-	-	0.0008	-	-	-	-
2035	0.0028	-	-	0.0028	-	0.4452	-	-	0.4452	-	0.0171	-	-	0.0171	-	0.0008	-	-	0.0008	-
2036	0.0027	-	-	-	-	0.4423	-	-	-	-	0.0170	-	-	-	-	0.0007	-	-	-	-
2037	0.0026	-	-	-	-	0.4397	-	-	-	-	0.0170	-	-	-	-	0.0007	-	-	-	-
2038	0.0026	-	-	-	-	0.4375	-	-	-	-	0.0171	-	-	-	-	0.0007	-	-	-	-
2039	0.0025	-	-	-	-	0.4355	-	-	-	-	0.0171	-	-	-	-	0.0006	-	-	-	-
2040	0.0024	-	-	-	-	0.4338	-	-	-	-	0.0171	-	-	-	-	0.0006	-	-	-	-
2041	0.0024					0.4323					0.0171					0.0006				
2042	0.0024					0.4310					0.0172					0.0006				
2043	0.0023					0.4300					0.0172					0.0006				
2044	0.0023					0.4291					0.0173					0.0006				
2045	0.0023					0.4283					0.0173					0.0006				
2046	0.0023					0.4277					0.0173					0.0005				
2047	0.0023					0.4272					0.0174					0.0005				
2048	0.0022					0.4268					0.0174					0.0005				
2049	0.0022					0.4265					0.0174					0.0005				
2050	0.0022					0.4262					0.0174					0.0005				
Total		-	-	0.0028	-		-	-	0.4452	-		-	-	0.0171	-		-	-	0.0008	-

Light Duty Tractor		Running Exhaust (g/mi)																			
		PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
Year																					
	2014	0.0007	-	-	-	-	0.0035	-	-	-	-	353.38	-	-	-	-	0.0018	-	-	-	-
	2015	0.0009	-	-	-	-	0.0035	-	-	-	-	349.28	-	-	-	-	0.0018	-	-	-	-
	2016	0.0011	-	-	-	-	0.0034	-	-	-	-	343.43	-	-	-	-	0.0018	-	-	-	-
	2017	0.0012	-	-	-	-	0.0033	-	-	-	-	337.47	-	-	-	-	0.0018	-	-	-	-
	2018	0.0013	-	-	-	-	0.0033	-	-	-	-	331.04	-	-	-	-	0.0018	-	-	-	-
	2019	0.0014	-	-	-	-	0.0032	-	-	-	-	322.34	-	-	-	-	0.0017	-	-	-	-
	2020	0.0014	-	-	-	-	0.0031	-	-	-	-	315.14	-	-	-	-	0.0017	-	-	-	-
	2021	0.0014	-	-	-	-	0.0030	-	-	-	-	307.43	-	-	-	-	0.0017	-	-	-	-
	2022	0.0013	-	-	-	-	0.0030	-	-	-	-	299.62	-	-	-	-	0.0016	-	-	-	-
	2023	0.0013	-	-	-	-	0.0029	-	-	-	-	291.71	-	-	-	-	0.0015	-	-	-	-
	2024	0.0012	-	-	-	-	0.0028	-	-	-	-	283.70	-	-	-	-	0.0015	-	-	-	-
	2025	0.0012	-	-	-	-	0.0027	-	-	-	-	275.55	-	-	-	-	0.0014	-	-	-	-
	2026	0.0012	-	-	-	-	0.0027	-	-	-	-	268.08	-	-	-	-	0.0013	-	-	-	-
	2027	0.0011	-	-	-	-	0.0026	-	-	-	-	261.26	-	-	-	-	0.0013	-	-	-	-
	2028	0.0010	-	-	-	-	0.0025	-	-	-	-	255.05	-	-	-	-	0.0012	-	-	-	-
	2029	0.0010	-	-	-	-	0.0025	-	-	-	-	249.40	-	-	-	-	0.0012	-	-	-	-
	2030	0.0009	-	-	-	-	0.0024	-	-	-	-	244.29	-	-	-	-	0.0011	-	-	-	-
	2031	0.0009	-	-	-	-	0.0024	-	-	-	-	239.67	-	-	-	-	0.0011	-	-	-	-
	2032	0.0008	-	-	-	-	0.0023	-	-	-	-	235.53	-	-	-	-	0.0010	-	-	-	-
	2033	0.0008	-	-	-	-	0.0023	-	-	-	-	231.85	-	-	-	-	0.0010	-	-	-	-
	2034	0.0007	-	-	-	-	0.0023	-	-	-	-	228.60	-	-	-	-	0.0009	-	-	-	-
	2035	0.0007	-	-	0.0007	-	0.0022	-	-	0.0022	-	225.74	-	-	225.7384	-	0.0009	-	-	0.0009	-
	2036	0.0007	-	-	-	-	0.0022	-	-	-	-	223.25	-	-	-	-	0.0009	-	-	-	-
	2037	0.0006	-	-	-	-	0.0022	-	-	-	-	221.10	-	-	-	-	0.0009	-	-	-	-
	2038	0.0006	-	-	-	-	0.0022	-	-	-	-	219.24	-	-	-	-	0.0008	-	-	-	-
	2039	0.0006	-	-	-	-	0.0022	-	-	-	-	217.66	-	-	-	-	0.0008	-	-	-	-
	2040	0.0006	-	-	-	-	0.0021	-	-	-	-	216.31	-	-	-	-	0.0008	-	-	-	-
	2041	0.0006					0.0021					215.17					0.0008				
	2042	0.0005					0.0021					214.22					0.0008				
	2043	0.0005					0.0021					213.42					0.0008				
	2044	0.0005					0.0021					212.76					0.0008				
	2045	0.0005					0.0021					212.22					0.0008				
	2046	0.0005					0.0021					211.77					0.0008				
	2047	0.0005					0.0021					211.41					0.0008				
	2048	0.0005					0.0021					211.10					0.0008				
	2049	0.0005					0.0021					210.85					0.0007				
	2050	0.0005					0.0021					210.65					0.0007				
Total			-	-	0.0007	-		-	-	0.0022	-		-	-	225.7384	-		-	-	0.0009	-

Light Duty Ti																				
Year						Tire Wear (g/mi)										Break W				
	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0040	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2015	0.0040	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2016	0.0040	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2017	0.0040	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2018	0.0040	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2019	0.0039	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2020	0.0039	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2021	0.0038	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2022	0.0037	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2023	0.0036	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2024	0.0035	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2025	0.0034	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2026	0.0034	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2027	0.0033	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2028	0.0032	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2029	0.0032	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2030	0.0032	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2031	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2032	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2033	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2034	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2035	0.0031	-	-	0.0031	-	0.0080	-	-	0.0080	-	0.0020	-	-	0.0020	-	0.0368	-	-	0.0368	-
2036	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2037	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2038	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2039	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2040	0.0031	-	-	-	-	0.0080	-	-	-	-	0.0020	-	-	-	-	0.0368	-	-	-	-
2041	0.0031					0.0080					0.0020					0.0368				
2042	0.0031					0.0080					0.0020					0.0368				
2043	0.0031					0.0080					0.0020					0.0368				
2044	0.0031					0.0080					0.0020					0.0368				
2045	0.0031					0.0080					0.0020					0.0368				
2046	0.0031					0.0080					0.0020					0.0368				
2047	0.0031					0.0080					0.0020					0.0368				
2048	0.0031					0.0080					0.0020					0.0368				
2049	0.0031					0.0080					0.0020					0.0368				
2050	0.0031					0.0080					0.0020					0.0368				
Total		-	-	0.0031	-		-	-	0.0080	-		-	-	0.0020	-		-	-	0.0368	-

Light Duty Tri

Year	PM2.5 (g/mi)																			
	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0158	-	-	-	-	0.2121	-	-	-	-	2.3878	-	-	-	-	0.1793	-	-	-	-
2015	0.0158	-	-	-	-	0.2115	-	-	-	-	2.3787	-	-	-	-	0.1796	-	-	-	-
2016	0.0158	-	-	-	-	0.2121	-	-	-	-	2.3863	-	-	-	-	0.1806	-	-	-	-
2017	0.0158	-	-	-	-	0.2124	-	-	-	-	2.3892	-	-	-	-	0.1813	-	-	-	-
2018	0.0158	-	-	-	-	0.2118	-	-	-	-	2.3916	-	-	-	-	0.1812	-	-	-	-
2019	0.0158	-	-	-	-	0.2093	-	-	-	-	2.3924	-	-	-	-	0.1795	-	-	-	-
2020	0.0158	-	-	-	-	0.2048	-	-	-	-	2.3888	-	-	-	-	0.1761	-	-	-	-
2021	0.0158	-	-	-	-	0.1989	-	-	-	-	2.3771	-	-	-	-	0.1716	-	-	-	-
2022	0.0158	-	-	-	-	0.1919	-	-	-	-	2.3586	-	-	-	-	0.1663	-	-	-	-
2023	0.0158	-	-	-	-	0.1841	-	-	-	-	2.3317	-	-	-	-	0.1605	-	-	-	-
2024	0.0158	-	-	-	-	0.1757	-	-	-	-	2.2936	-	-	-	-	0.1544	-	-	-	-
2025	0.0158	-	-	-	-	0.1669	-	-	-	-	2.2429	-	-	-	-	0.1484	-	-	-	-
2026	0.0158	-	-	-	-	0.1587	-	-	-	-	2.1932	-	-	-	-	0.1430	-	-	-	-
2027	0.0158	-	-	-	-	0.1509	-	-	-	-	2.1465	-	-	-	-	0.1382	-	-	-	-
2028	0.0158	-	-	-	-	0.1436	-	-	-	-	2.1025	-	-	-	-	0.1341	-	-	-	-
2029	0.0158	-	-	-	-	0.1368	-	-	-	-	2.0608	-	-	-	-	0.1305	-	-	-	-
2030	0.0158	-	-	-	-	0.1304	-	-	-	-	2.0215	-	-	-	-	0.1274	-	-	-	-
2031	0.0158	-	-	-	-	0.1244	-	-	-	-	1.9847	-	-	-	-	0.1247	-	-	-	-
2032	0.0158	-	-	-	-	0.1189	-	-	-	-	1.9502	-	-	-	-	0.1225	-	-	-	-
2033	0.0158	-	-	-	-	0.1138	-	-	-	-	1.9180	-	-	-	-	0.1207	-	-	-	-
2034	0.0158	-	-	-	-	0.1092	-	-	-	-	1.8882	-	-	-	-	0.1193	-	-	-	-
2035	0.0158	-	-	0.0158	-	0.1050	-	-	0.1050	-	1.8608	-	-	1.8608	-	0.1183	-	-	0.1183	-
2036	0.0158	-	-	-	-	0.1013	-	-	-	-	1.8359	-	-	-	-	0.1175	-	-	-	-
2037	0.0158	-	-	-	-	0.0979	-	-	-	-	1.8134	-	-	-	-	0.1170	-	-	-	-
2038	0.0158	-	-	-	-	0.0949	-	-	-	-	1.7932	-	-	-	-	0.1167	-	-	-	-
2039	0.0158	-	-	-	-	0.0923	-	-	-	-	1.7752	-	-	-	-	0.1166	-	-	-	-
2040	0.0158	-	-	-	-	0.0900	-	-	-	-	1.7592	-	-	-	-	0.1166	-	-	-	-
2041	0.0158					0.0880					1.7451					0.1167				
2042	0.0158					0.0863					1.7329					0.1169				
2043	0.0158					0.0848					1.7222					0.1171				
2044	0.0158					0.0836					1.7131					0.1174				
2045	0.0158					0.0825					1.7053					0.1177				
2046	0.0158					0.0816					1.6987					0.1180				
2047	0.0158					0.0809					1.6931					0.1182				
2048	0.0158					0.0802					1.6882					0.1185				
2049	0.0158					0.0797					1.6842					0.1188				
2050	0.0158					0.0792					1.6808					0.1190				
Total		-	-	0.0158	-		-	-	0.1050	-		-	-	1.8608	-		-	-	0.1183	-

Light Duty Tri																				
Year	Start Emission Rate (g/trip)																			
	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0009	-	-	-	-	0.0008	-	-	-	-	0.0007	-	-	-	-	71.5453	-	-	-	-
2015	0.0012	-	-	-	-	0.0011	-	-	-	-	0.0007	-	-	-	-	70.7620	-	-	-	-
2016	0.0014	-	-	-	-	0.0013	-	-	-	-	0.0007	-	-	-	-	69.7925	-	-	-	-
2017	0.0016	-	-	-	-	0.0015	-	-	-	-	0.0007	-	-	-	-	68.6812	-	-	-	-
2018	0.0017	-	-	-	-	0.0016	-	-	-	-	0.0007	-	-	-	-	67.4974	-	-	-	-
2019	0.0019	-	-	-	-	0.0017	-	-	-	-	0.0007	-	-	-	-	66.2486	-	-	-	-
2020	0.0019	-	-	-	-	0.0017	-	-	-	-	0.0006	-	-	-	-	64.9190	-	-	-	-
2021	0.0018	-	-	-	-	0.0017	-	-	-	-	0.0006	-	-	-	-	63.4811	-	-	-	-
2022	0.0018	-	-	-	-	0.0016	-	-	-	-	0.0006	-	-	-	-	62.0066	-	-	-	-
2023	0.0017	-	-	-	-	0.0016	-	-	-	-	0.0006	-	-	-	-	60.5066	-	-	-	-
2024	0.0017	-	-	-	-	0.0016	-	-	-	-	0.0006	-	-	-	-	58.9709	-	-	-	-
2025	0.0016	-	-	-	-	0.0015	-	-	-	-	0.0006	-	-	-	-	57.3899	-	-	-	-
2026	0.0016	-	-	-	-	0.0015	-	-	-	-	0.0006	-	-	-	-	55.9103	-	-	-	-
2027	0.0015	-	-	-	-	0.0014	-	-	-	-	0.0005	-	-	-	-	54.5453	-	-	-	-
2028	0.0015	-	-	-	-	0.0013	-	-	-	-	0.0005	-	-	-	-	53.2859	-	-	-	-
2029	0.0014	-	-	-	-	0.0013	-	-	-	-	0.0005	-	-	-	-	52.1198	-	-	-	-
2030	0.0013	-	-	-	-	0.0012	-	-	-	-	0.0005	-	-	-	-	51.0424	-	-	-	-
2031	0.0012	-	-	-	-	0.0011	-	-	-	-	0.0005	-	-	-	-	50.0528	-	-	-	-
2032	0.0012	-	-	-	-	0.0011	-	-	-	-	0.0005	-	-	-	-	49.1463	-	-	-	-
2033	0.0011	-	-	-	-	0.0010	-	-	-	-	0.0005	-	-	-	-	48.3226	-	-	-	-
2034	0.0011	-	-	-	-	0.0010	-	-	-	-	0.0005	-	-	-	-	47.5785	-	-	-	-
2035	0.0010	-	-	0.0010	-	0.0009	-	-	0.0009	-	0.0005	-	-	0.0005	-	46.9103	-	-	46.9103	-
2036	0.0010	-	-	-	-	0.0009	-	-	-	-	0.0005	-	-	-	-	46.3151	-	-	-	-
2037	0.0009	-	-	-	-	0.0008	-	-	-	-	0.0005	-	-	-	-	45.7863	-	-	-	-
2038	0.0009	-	-	-	-	0.0008	-	-	-	-	0.0004	-	-	-	-	45.3189	-	-	-	-
2039	0.0008	-	-	-	-	0.0008	-	-	-	-	0.0004	-	-	-	-	44.9084	-	-	-	-
2040	0.0008	-	-	-	-	0.0007	-	-	-	-	0.0004	-	-	-	-	44.5496	-	-	-	-
2041	0.0008					0.0007					0.0004					44.2385				
2042	0.0008					0.0007					0.0004					43.9709				
2043	0.0007					0.0007					0.0004					43.7416				
2044	0.0007					0.0007					0.0004					43.5464				
2045	0.0007					0.0006					0.0004					43.3816				
2046	0.0007					0.0006					0.0004					43.2416				
2047	0.0007					0.0006					0.0004					43.1239				
2048	0.0007					0.0006					0.0004					43.0238				
2049	0.0007					0.0006					0.0004					42.9400				
2050	0.0006					0.0006					0.0004					42.8701				
Total		-	-	0.0010	-		-	-	0.0009	-		-	-	0.0005	-		-	-	46.9103	-

Light Duty Tractor																				
Year											Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0532	-	-	-	-	0.0283	-	-	-	-	0.0141	-	-	-	-	0.0484	-	-	-	-
2015	0.0531	-	-	-	-	0.0284	-	-	-	-	0.0160	-	-	-	-	0.0564	-	-	-	-
2016	0.0533	-	-	-	-	0.0286	-	-	-	-	0.0184	-	-	-	-	0.0647	-	-	-	-
2017	0.0532	-	-	-	-	0.0285	-	-	-	-	0.0217	-	-	-	-	0.0784	-	-	-	-
2018	0.0529	-	-	-	-	0.0284	-	-	-	-	0.0253	-	-	-	-	0.0980	-	-	-	-
2019	0.0522	-	-	-	-	0.0281	-	-	-	-	0.0291	-	-	-	-	0.1174	-	-	-	-
2020	0.0511	-	-	-	-	0.0276	-	-	-	-	0.0330	-	-	-	-	0.1377	-	-	-	-
2021	0.0496	-	-	-	-	0.0269	-	-	-	-	0.0369	-	-	-	-	0.1566	-	-	-	-
2022	0.0479	-	-	-	-	0.0262	-	-	-	-	0.0406	-	-	-	-	0.1752	-	-	-	-
2023	0.0460	-	-	-	-	0.0253	-	-	-	-	0.0440	-	-	-	-	0.1921	-	-	-	-
2024	0.0440	-	-	-	-	0.0244	-	-	-	-	0.0470	-	-	-	-	0.2066	-	-	-	-
2025	0.0419	-	-	-	-	0.0236	-	-	-	-	0.0495	-	-	-	-	0.2174	-	-	-	-
2026	0.0399	-	-	-	-	0.0228	-	-	-	-	0.0514	-	-	-	-	0.2256	-	-	-	-
2027	0.0380	-	-	-	-	0.0221	-	-	-	-	0.0528	-	-	-	-	0.2310	-	-	-	-
2028	0.0363	-	-	-	-	0.0215	-	-	-	-	0.0538	-	-	-	-	0.2345	-	-	-	-
2029	0.0347	-	-	-	-	0.0210	-	-	-	-	0.0542	-	-	-	-	0.2356	-	-	-	-
2030	0.0332	-	-	-	-	0.0205	-	-	-	-	0.0543	-	-	-	-	0.2349	-	-	-	-
2031	0.0318	-	-	-	-	0.0202	-	-	-	-	0.0540	-	-	-	-	0.2329	-	-	-	-
2032	0.0305	-	-	-	-	0.0199	-	-	-	-	0.0535	-	-	-	-	0.2298	-	-	-	-
2033	0.0293	-	-	-	-	0.0196	-	-	-	-	0.0528	-	-	-	-	0.2260	-	-	-	-
2034	0.0283	-	-	-	-	0.0194	-	-	-	-	0.0519	-	-	-	-	0.2218	-	-	-	-
2035	0.0273	-	-	0.0273	-	0.0192	-	-	0.0192	-	0.0510	-	-	0.0510	-	0.2173	-	-	0.2173	-
2036	0.0264	-	-	-	-	0.0191	-	-	-	-	0.0500	-	-	-	-	0.2126	-	-	-	-
2037	0.0257	-	-	-	-	0.0190	-	-	-	-	0.0490	-	-	-	-	0.2080	-	-	-	-
2038	0.0250	-	-	-	-	0.0190	-	-	-	-	0.0480	-	-	-	-	0.2034	-	-	-	-
2039	0.0244	-	-	-	-	0.0189	-	-	-	-	0.0471	-	-	-	-	0.1991	-	-	-	-
2040	0.0239	-	-	-	-	0.0189	-	-	-	-	0.0462	-	-	-	-	0.1949	-	-	-	-
2041	0.0234					0.0189					0.0453					0.1911				
2042	0.0231					0.0189					0.0446					0.1876				
2043	0.0227					0.0189					0.0439					0.1845				
2044	0.0224					0.0189					0.0433					0.1816				
2045	0.0222					0.0189					0.0428					0.1792				
2046	0.0220					0.0189					0.0424					0.1771				
2047	0.0218					0.0189					0.0421					0.1753				
2048	0.0217					0.0189					0.0418					0.1738				
2049	0.0215					0.0189					0.0416					0.1726				
2050	0.0214					0.0189					0.0414					0.1715				
Total		-	-	0.0273	-		-	-	0.0192	-		-	-	0.0510	-		-	-	0.2173	-

Heavy-Heavy Duty Diesel Truck																				
Water Truck Commute Emissions (EMFAC2017 - web 1.0.2, T7 Single Unit Construction Truck)																				
Year	ROG	Weighted-Grubbing	Weighted -Grading	Weighted -Drainage	Weighted -Paving	CO	Weighted-Grubbing	Weighted -Grading	Weighted -Drainage	Weighted -Paving	NOx	Weighted-Grubbing	Weighted -Grading	Weighted -Drainage	Weighted -Paving	PM10	Weighted-Grubbing	Weighted -Grading	Weighted -Drainage	Weighted -Paving
2014	0.0583	-	-	-	-	0.4129	-	-	-	-	2.9101	-	-	-	-	0.0122	-	-	-	-
2015	0.0529	-	-	-	-	0.4082	-	-	-	-	2.8491	-	-	-	-	0.0122	-	-	-	-
2016	0.0508	-	-	-	-	0.4094	-	-	-	-	2.8549	-	-	-	-	0.0124	-	-	-	-
2017	0.0476	-	-	-	-	0.4102	-	-	-	-	2.8769	-	-	-	-	0.0126	-	-	-	-
2018	0.0457	-	-	-	-	0.4130	-	-	-	-	2.9175	-	-	-	-	0.0130	-	-	-	-
2019	0.0444	-	-	-	-	0.4157	-	-	-	-	2.9546	-	-	-	-	0.0133	-	-	-	-
2020	0.0425	-	-	-	-	0.4199	-	-	-	-	3.0272	-	-	-	-	0.0138	-	-	-	-
2021	0.0418	-	-	-	-	0.4228	-	-	-	-	3.0635	-	-	-	-	0.0141	-	-	-	-
2022	0.0402	-	-	-	-	0.4233	-	-	-	-	3.0792	-	-	-	-	0.0143	-	-	-	-
2023	0.0291	-	-	-	-	0.4046	-	-	-	-	2.9826	-	-	-	-	0.0134	-	-	-	-
2024	0.0294	-	-	-	-	0.4082	-	-	-	-	3.0228	-	-	-	-	0.0137	-	-	-	-
2025	0.0296	-	-	-	-	0.4118	-	-	-	-	3.0634	-	-	-	-	0.0141	-	-	-	-
2026	0.0298	-	-	-	-	0.4149	-	-	-	-	3.0980	-	-	-	-	0.0143	-	-	-	-
2027	0.0300	-	-	-	-	0.4172	-	-	-	-	3.1232	-	-	-	-	0.0145	-	-	-	-
2028	0.0302	-	-	-	-	0.4197	-	-	-	-	3.1503	-	-	-	-	0.0147	-	-	-	-
2029	0.0303	-	-	-	-	0.4221	-	-	-	-	3.1777	-	-	-	-	0.0149	-	-	-	-
2030	0.0305	-	-	-	-	0.4243	-	-	-	-	3.2028	-	-	-	-	0.0151	-	-	-	-
2031	0.0306	-	-	-	-	0.4263	-	-	-	-	3.2255	-	-	-	-	0.0153	-	-	-	-
2032	0.0307	-	-	-	-	0.4279	-	-	-	-	3.2430	-	-	-	-	0.0154	-	-	-	-
2033	0.0308	-	-	-	-	0.4291	-	-	-	-	3.2559	-	-	-	-	0.0155	-	-	-	-
2034	0.0309	-	-	-	-	0.4297	-	-	-	-	3.2619	-	-	-	-	0.0156	-	-	-	-
2035	0.0309	-	-	0.0309	-	0.4299	-	-	0.4299	-	3.2635	-	-	3.2635	-	0.0156	-	-	0.0156	-
2036	0.0309	-	-	-	-	0.4301	-	-	-	-	3.2652	-	-	-	-	0.0156	-	-	-	-
2037	0.0309	-	-	-	-	0.4302	-	-	-	-	3.2648	-	-	-	-	0.0156	-	-	-	-
2038	0.0309	-	-	-	-	0.4301	-	-	-	-	3.2639	-	-	-	-	0.0156	-	-	-	-
2039	0.0309	-	-	-	-	0.4301	-	-	-	-	3.2635	-	-	-	-	0.0156	-	-	-	-
2040	0.0309	-	-	-	-	0.4300	-	-	-	-	3.2612	-	-	-	-	0.0156	-	-	-	-
2041	0.0309					0.4298					3.2588					0.0156				
2042	0.0309					0.4297					3.2571					0.0156				
2043	0.0308					0.4295					3.2551					0.0156				
2044	0.0308					0.4294					3.2535					0.0156				
2045	0.0308					0.4294					3.2526					0.0156				
2046	0.0308					0.4293					3.2514					0.0156				
2047	0.0308					0.4292					3.2507					0.0155				
2048	0.0308					0.4292					3.2500					0.0155				
2049	0.0308					0.4291					3.2496					0.0155				
2050	0.0308					0.4291					3.2496					0.0155				
Total		-	-	0.0309	-		-	-	0.4299	-		-	-	3.2635	-		-	-	0.0156	-

Heavy-Heavy		Running Exhaust (g/mi)																			
		PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
Year																					
2014	0.0117	-	-	-	-	0.0183	-	-	-	-	1937.60	-	-	-	-	0.0027	-	-	-	-	
2015	0.0116	-	-	-	-	0.0177	-	-	-	-	1877.04	-	-	-	-	0.0025	-	-	-	-	
2016	0.0118	-	-	-	-	0.0174	-	-	-	-	1844.79	-	-	-	-	0.0024	-	-	-	-	
2017	0.0121	-	-	-	-	0.0172	-	-	-	-	1825.38	-	-	-	-	0.0022	-	-	-	-	
2018	0.0124	-	-	-	-	0.0171	-	-	-	-	1810.07	-	-	-	-	0.0021	-	-	-	-	
2019	0.0128	-	-	-	-	0.0170	-	-	-	-	1795.97	-	-	-	-	0.0021	-	-	-	-	
2020	0.0132	-	-	-	-	0.0170	-	-	-	-	1801.75	-	-	-	-	0.0020	-	-	-	-	
2021	0.0135	-	-	-	-	0.0168	-	-	-	-	1779.29	-	-	-	-	0.0019	-	-	-	-	
2022	0.0137	-	-	-	-	0.0165	-	-	-	-	1748.57	-	-	-	-	0.0019	-	-	-	-	
2023	0.0129	-	-	-	-	0.0162	-	-	-	-	1714.99	-	-	-	-	0.0014	-	-	-	-	
2024	0.0132	-	-	-	-	0.0160	-	-	-	-	1693.55	-	-	-	-	0.0014	-	-	-	-	
2025	0.0134	-	-	-	-	0.0158	-	-	-	-	1672.88	-	-	-	-	0.0014	-	-	-	-	
2026	0.0137	-	-	-	-	0.0156	-	-	-	-	1652.48	-	-	-	-	0.0014	-	-	-	-	
2027	0.0139	-	-	-	-	0.0154	-	-	-	-	1629.11	-	-	-	-	0.0014	-	-	-	-	
2028	0.0141	-	-	-	-	0.0152	-	-	-	-	1608.15	-	-	-	-	0.0014	-	-	-	-	
2029	0.0143	-	-	-	-	0.0150	-	-	-	-	1590.08	-	-	-	-	0.0014	-	-	-	-	
2030	0.0145	-	-	-	-	0.0149	-	-	-	-	1572.50	-	-	-	-	0.0014	-	-	-	-	
2031	0.0146	-	-	-	-	0.0147	-	-	-	-	1555.80	-	-	-	-	0.0014	-	-	-	-	
2032	0.0148	-	-	-	-	0.0145	-	-	-	-	1538.95	-	-	-	-	0.0014	-	-	-	-	
2033	0.0148	-	-	-	-	0.0144	-	-	-	-	1521.81	-	-	-	-	0.0014	-	-	-	-	
2034	0.0149	-	-	-	-	0.0142	-	-	-	-	1503.26	-	-	-	-	0.0014	-	-	-	-	
2035	0.0149	-	-	0.0149	-	0.0140	-	-	0.0140	-	1484.35	-	-	1,484.3510	-	0.0014	-	-	0.0014	-	
2036	0.0149	-	-	-	-	0.0139	-	-	-	-	1466.95	-	-	-	-	0.0014	-	-	-	-	
2037	0.0149	-	-	-	-	0.0137	-	-	-	-	1449.51	-	-	-	-	0.0014	-	-	-	-	
2038	0.0149	-	-	-	-	0.0135	-	-	-	-	1432.65	-	-	-	-	0.0014	-	-	-	-	
2039	0.0149	-	-	-	-	0.0134	-	-	-	-	1417.06	-	-	-	-	0.0014	-	-	-	-	
2040	0.0149	-	-	-	-	0.0132	-	-	-	-	1401.60	-	-	-	-	0.0014	-	-	-	-	
2041	0.0149					0.0131					1387.06					0.0014					
2042	0.0149					0.0130					1373.80					0.0014					
2043	0.0149					0.0129					1361.41					0.0014					
2044	0.0149					0.0128					1350.16					0.0014					
2045	0.0149					0.0127					1339.97					0.0014					
2046	0.0149					0.0126					1330.70					0.0014					
2047	0.0149					0.0125					1322.48					0.0014					
2048	0.0149					0.0124					1315.09					0.0014					
2049	0.0149					0.0124					1308.59					0.0014					
2050	0.0149					0.0123					1305.61					0.0014					
Total		-	-	0.0149	-		-	-	0.0140	-		-	-	1,484.3510	-		-	-	0.0014	-	

Heavy-Heavy																				
						Tire Wear (g/mi)										Break We				
Year	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.3042	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2015	0.2950	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2016	0.2900	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2017	0.2869	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2018	0.2845	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2019	0.2823	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2020	0.2832	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2021	0.2797	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2022	0.2749	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2023	0.2696	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2024	0.2662	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2025	0.2630	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2026	0.2597	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2027	0.2561	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2028	0.2528	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2029	0.2499	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2030	0.2472	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2031	0.2445	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2032	0.2419	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2033	0.2392	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2034	0.2363	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2035	0.2333	-	-	0.2333	-	0.0360	-	-	0.0360	-	0.0090	-	-	0.0090	-	0.0617	-	-	0.0617	-
2036	0.2306	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2037	0.2278	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2038	0.2252	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2039	0.2227	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2040	0.2203	-	-	-	-	0.0360	-	-	-	-	0.0090	-	-	-	-	0.0617	-	-	-	-
2041	0.2180					0.0360					0.0090					0.0617				
2042	0.2159					0.0360					0.0090					0.0617				
2043	0.2140					0.0360					0.0090					0.0617				
2044	0.2122					0.0360					0.0090					0.0617				
2045	0.2106					0.0360					0.0090					0.0617				
2046	0.2092					0.0360					0.0090					0.0617				
2047	0.2079					0.0360					0.0090					0.0617				
2048	0.2067					0.0360					0.0090					0.0617				
2049	0.2057					0.0360					0.0090					0.0617				
2050	0.2052					0.0360					0.0090					0.0617				
Total		-	-	0.2333	-		-	-	0.0360	-		-	-	0.0090	-		-	-	0.0617	-

Heavy-Heavy																				
air (g/mi)																				
Year	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0751	-	-	-	-
2015	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1639	-	-	-	-
2016	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1973	-	-	-	-
2017	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2456	-	-	-	-
2018	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2849	-	-	-	-
2019	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3182	-	-	-	-
2020	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3706	-	-	-	-
2021	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3886	-	-	-	-
2022	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4171	-	-	-	-
2023	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5024	-	-	-	-
2024	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5067	-	-	-	-
2025	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5105	-	-	-	-
2026	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5138	-	-	-	-
2027	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5169	-	-	-	-
2028	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5201	-	-	-	-
2029	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5233	-	-	-	-
2030	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5268	-	-	-	-
2031	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5299	-	-	-	-
2032	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5333	-	-	-	-
2033	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5364	-	-	-	-
2034	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5399	-	-	-	-
2035	0.0265	-	-	0.0265	-	-	-	-	-	-	-	-	-	-	-	4.5432	-	-	4.5432	-
2036	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5458	-	-	-	-
2037	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5485	-	-	-	-
2038	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5507	-	-	-	-
2039	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5526	-	-	-	-
2040	0.0265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5546	-	-	-	-
2041	0.0265					-					-					4.5563				
2042	0.0265					-					-					4.5576				
2043	0.0265					-					-					4.5589				
2044	0.0265					-					-					4.5600				
2045	0.0265					-					-					4.5610				
2046	0.0265					-					-					4.5620				
2047	0.0265					-					-					4.5627				
2048	0.0265					-					-					4.5634				
2049	0.0265					-					-					4.5640				
2050	0.0265					-					-					4.5645				
Total		-	-	0.0265	-		-	-	-	-		-	-	-	-		-	-	4.5432	-

Heavy-Heavy																				
Start Emission Rate (g/trip)																				
Year	PM10	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2041	-					-					-					-				
2042	-					-					-					-				
2043	-					-					-					-				
2044	-					-					-					-				
2045	-					-					-					-				
2046	-					-					-					-				
2047	-					-					-					-				
2048	-					-					-					-				
2049	-					-					-					-				
2050	-					-					-					-				
Total		-	-	-	-		-	-	-	-		-	-	-	-		-	-	-	-

Heavy-Heavy																				
Year											Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2041	-					-					-					-				
2042	-					-					-					-				
2043	-					-					-					-				
2044	-					-					-					-				
2045	-					-					-					-				
2046	-					-					-					-				
2047	-					-					-					-				
2048	-					-					-					-				
2049	-					-					-					-				
2050	-					-					-					-				
Total		-	-	-	-		-	-	-	-		-	-	-	-		-	-	-	-

The following emission rates by equipment type and year cannot be directly edited. The rates shown below, however, will change when changes are made to the default values for horsepower and/or hours per day.

Note: Years 2014 through 2017 were not updated and are not used in the current model

Emissions (g/bhp-hr)		ROG	ROG	ROG	ROG
Aerial Lifts					
	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.2023	-	-	-	-
2015	0.1906	-	-	-	-
2016	0.1655	-	-	-	-
2017	0.1427	-	-	-	-
2018	0.1219	-	-	-	-
2019	0.1182	-	-	-	-
2020	0.1149	-	-	-	-
2021	0.1088	-	-	-	-
2022	0.1047	-	-	-	-
2023	0.1005	-	-	-	-
2024	0.1005	-	-	-	-
2025	0.0988	-	-	-	-
2026	0.0988	-	-	-	-
2027	0.0988	-	-	-	-
2028	0.0988	-	-	-	-
2029	0.0988	-	-	-	-
2030	0.1880	-	-	-	-
2031	0.1880	-	-	-	-
2032	0.1880	-	-	-	-
2033	0.1880	-	-	-	-
2034	0.1880	-	-	-	-
2035	0.1660	-	-	0.1660	-
2036	0.1660	-	-	-	-
2037	0.1660	-	-	-	-
2038	0.1660	-	-	-	-
2039	0.1660	-	-	-	-
2040	0.1610	-	-	-	-
Aerial Lifts Total		-	-	0.1660	-

	CO	CO	CO	CO		NOx	NOx	NOx	NOx
CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.2195	-	-	-	-	3.3728	-	-	-	-
3.2178	-	-	-	-	3.1134	-	-	-	-
3.2010	-	-	-	-	2.7222	-	-	-	-
3.1843	-	-	-	-	2.3637	-	-	-	-
3.1669	-	-	-	-	2.0636	-	-	-	-
3.1725	-	-	-	-	1.9766	-	-	-	-
3.1768	-	-	-	-	1.8686	-	-	-	-
3.1762	-	-	-	-	1.7437	-	-	-	-
3.1760	-	-	-	-	1.6266	-	-	-	-
3.1703	-	-	-	-	1.5481	-	-	-	-
3.1726	-	-	-	-	1.5279	-	-	-	-
3.1674	-	-	-	-	1.5108	-	-	-	-
3.1674	-	-	-	-	1.5108	-	-	-	-
3.1674	-	-	-	-	1.5108	-	-	-	-
3.1674	-	-	-	-	1.5108	-	-	-	-
3.1674	-	-	-	-	1.5108	-	-	-	-
3.3520	-	-	-	-	1.6570	-	-	-	-
3.3520	-	-	-	-	1.6570	-	-	-	-
3.3520	-	-	-	-	1.6570	-	-	-	-
3.3520	-	-	-	-	1.6570	-	-	-	-
3.3520	-	-	-	-	1.6570	-	-	-	-
3.3450	-	-	3.3450	-	1.4660	-	-	1.4660	-
3.3450	-	-	-	-	1.4660	-	-	-	-
3.3450	-	-	-	-	1.4660	-	-	-	-
3.3450	-	-	-	-	1.4660	-	-	-	-
3.3450	-	-	-	-	1.4660	-	-	-	-
3.3440	-	-	-	-	1.4070	-	-	-	-
	-	-	3.3450	-		-	-	1.4660	-

92 % of PM2.5 in PM10 (from CEIDARS)

		PM10	PM10	PM10	PM10			PM2.5	PM2.5	PM2.5	PM2.5
		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving			Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
PM10	0.1608	-	-	-	-	PM2.5	0.1479	-	-	-	-
	0.1431	-	-	-	-		0.1316	-	-	-	-
	0.1119	-	-	-	-		0.1030	-	-	-	-
	0.0834	-	-	-	-		0.0768	-	-	-	-
	0.0571	-	-	-	-		0.0525	-	-	-	-
	0.0485	-	-	-	-		0.0446	-	-	-	-
	0.0416	-	-	-	-		0.0382	-	-	-	-
	0.0333	-	-	-	-		0.0306	-	-	-	-
	0.0302	-	-	-	-		0.0278	-	-	-	-
	0.0267	-	-	-	-		0.0246	-	-	-	-
	0.0265	-	-	-	-		0.0244	-	-	-	-
	0.0259	-	-	-	-		0.0238	-	-	-	-
	0.0259	-	-	-	-		0.0238	-	-	-	-
	0.0259	-	-	-	-		0.0238	-	-	-	-
	0.0259	-	-	-	-		0.0238	-	-	-	-
	0.0259	-	-	-	-		0.0238	-	-	-	-
	0.0360	-	-	-	-		0.0360	-	-	-	-
	0.0360	-	-	-	-		0.0360	-	-	-	-
	0.0360	-	-	-	-		0.0360	-	-	-	-
	0.0360	-	-	-	-		0.0360	-	-	-	-
	0.0360	-	-	-	-		0.0360	-	-	-	-
	0.0360	-	-	-	-		0.0360	-	-	-	-
	0.0170	-	-	0.0170	-		0.0170	-	-	0.0170	-
	0.0170	-	-	-	-		0.0170	-	-	-	-
	0.0170	-	-	-	-		0.0170	-	-	-	-
	0.0170	-	-	-	-		0.0170	-	-	-	-
	0.0170	-	-	-	-		0.0170	-	-	-	-
	0.0120	-	-	-	-		0.0120	-	-	-	-
		-	-	0.0170	-			-	-	0.0170	-

	CO2	CO2	CO2	CO2		Sox	Sox	Sox	Sox
	Weighted -	Weighted -	Weighted -	Weighted -		Weighted -	Weighted -	Weighted -	Weighted -
CO2	Grubbing	Grading	Drainage	Paving	SOX	Grubbing	Grading	Drainage	Paving
516.7028	-	-	-	-	0.0049	-	-	-	-
511.4570	-	-	-	-	0.0049	-	-	-	-
506.2113	-	-	-	-	0.0049	-	-	-	-
498.3428	-	-	-	-	0.0049	-	-	-	-
490.4742	-	-	-	-	0.0049	-	-	-	-
482.6056	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
472.1142	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

	CH4	CH4	CH4	CH4		N2O	N2O	N2O	N2O
	Weighted -	Weighted -	Weighted -	Weighted -		Weighted -	Weighted -	Weighted -	Weighted -
CH4	Grubbing	Grading	Drainage	Paving	N2O	Grubbing	Grading	Drainage	Paving
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.170	-	-	-	-	0.0043	-	-	-	-
0.170	-	-	-	-	0.0043	-	-	-	-
0.170	-	-	-	-	0.0043	-	-	-	-
0.170	-	-	-	-	0.0043	-	-	-	-
0.140	-	-	0.0140	-	0.0043	-	-	0.0043	-
0.140	-	-	-	-	0.0043	-	-	-	-
0.140	-	-	-	-	0.0043	-	-	-	-
0.140	-	-	-	-	0.0043	-	-	-	-
0.140	-	-	-	-	0.0043	-	-	-	-
0.140	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0140	-		-	-	0.0043	-

Air Compressors			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.9010	-	-	-	-	-
2015	0.8210	-	-	-	-	-
2016	0.7440	-	-	-	-	-
2017	0.6710	-	-	-	-	-
2018	0.6030	-	-	-	-	-
2019	0.5380	-	-	-	-	-
2020	0.4890	-	-	-	-	-
2021	0.4420	-	-	-	-	-
2022	0.4130	-	-	-	-	-
2023	0.3870	-	-	-	-	-
2024	0.3650	-	-	-	-	-
2025	0.3450	-	-	-	-	-
2026	0.3450	-	-	-	-	-
2027	0.3450	-	-	-	-	-
2028	0.3450	-	-	-	-	-
2029	0.3450	-	-	-	-	-
2030	0.2640	-	-	-	-	-
2031	0.2640	-	-	-	-	-
2032	0.2640	-	-	-	-	-
2033	0.2640	-	-	-	-	-
2034	0.2640	-	-	-	-	-
2035	0.2380	-	-	-	0.2380	-
2036	0.2380	-	-	-	-	-
2037	0.2380	-	-	-	-	-
2038	0.2380	-	-	-	-	-
2039	0.2380	-	-	-	-	-
2040	0.2320	-	-	-	-	-
Air Compressors Total		-	-	-	0.2380	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.8800	-	-	-	-	5.6080	-	-	-	-
3.8400	-	-	-	-	5.1900	-	-	-	-
3.8040	-	-	-	-	4.7900	-	-	-	-
3.7720	-	-	-	-	4.4120	-	-	-	-
3.7440	-	-	-	-	4.0500	-	-	-	-
3.7180	-	-	-	-	3.7060	-	-	-	-
3.6980	-	-	-	-	3.4000	-	-	-	-
3.6700	-	-	-	-	3.0830	-	-	-	-
3.6620	-	-	-	-	2.8440	-	-	-	-
3.6570	-	-	-	-	2.6310	-	-	-	-
3.6550	-	-	-	-	2.4610	-	-	-	-
3.6530	-	-	-	-	2.3130	-	-	-	-
3.6530	-	-	-	-	2.3130	-	-	-	-
3.6530	-	-	-	-	2.3130	-	-	-	-
3.6530	-	-	-	-	2.3130	-	-	-	-
3.6530	-	-	-	-	2.3130	-	-	-	-
3.6300	-	-	-	-	1.7290	-	-	-	-
3.6300	-	-	-	-	1.7290	-	-	-	-
3.6300	-	-	-	-	1.7290	-	-	-	-
3.6300	-	-	-	-	1.7290	-	-	-	-
3.6300	-	-	-	-	1.7290	-	-	-	-
3.6230	-	-	3.6230	-	1.5300	-	-	1.5300	-
3.6230	-	-	-	-	1.5300	-	-	-	-
3.6230	-	-	-	-	1.5300	-	-	-	-
3.6230	-	-	-	-	1.5300	-	-	-	-
3.6230	-	-	-	-	1.5300	-	-	-	-
3.6190	-	-	-	-	1.4680	-	-	-	-
	-	-	3.6230	-		-	-	1.5300	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4950	-	-	-	-	0.4950	-	-	-	-
0.4460	-	-	-	-	0.4460	-	-	-	-
0.3970	-	-	-	-	0.3970	-	-	-	-
0.3500	-	-	-	-	0.3500	-	-	-	-
0.3040	-	-	-	-	0.3040	-	-	-	-
0.2600	-	-	-	-	0.2600	-	-	-	-
0.2240	-	-	-	-	0.2240	-	-	-	-
0.1900	-	-	-	-	0.1900	-	-	-	-
0.1650	-	-	-	-	0.1650	-	-	-	-
0.1430	-	-	-	-	0.1430	-	-	-	-
0.1230	-	-	-	-	0.1230	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.0410	-	-	-	-	0.0410	-	-	-	-
0.0410	-	-	-	-	0.0410	-	-	-	-
0.0410	-	-	-	-	0.0410	-	-	-	-
0.0410	-	-	-	-	0.0410	-	-	-	-
0.0410	-	-	-	-	0.0410	-	-	-	-
0.0200	-	-	0.0200	-	0.0200	-	-	0.0200	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
	-	-	0.0200	-		-	-	0.0200	-

[illegible]

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0810	-	-	-	-	0.0043	-	-	-	-
0.0740	-	-	-	-	0.0043	-	-	-	-
0.0670	-	-	-	-	0.0043	-	-	-	-
0.0600	-	-	-	-	0.0043	-	-	-	-
0.0540	-	-	-	-	0.0043	-	-	-	-
0.0480	-	-	-	-	0.0043	-	-	-	-
0.0440	-	-	-	-	0.0043	-	-	-	-
0.0390	-	-	-	-	0.0043	-	-	-	-
0.0370	-	-	-	-	0.0043	-	-	-	-
0.0340	-	-	-	-	0.0043	-	-	-	-
0.0320	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	0.0210	-	0.0043	-	-	0.0043	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0210	-		-	-	0.0043	-

Bore/Drill Rigs			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.2173	-	-	-	-
	2015	0.2133	-	-	-	-
	2016	0.1925	-	-	-	-
	2017	0.1735	-	-	-	-
	2018	0.1545	-	-	-	-
	2019	0.1434	-	-	-	-
	2020	0.1424	-	-	-	-
	2021	0.1325	-	-	-	-
	2022	0.1150	-	-	-	-
	2023	0.1104	-	-	-	-
	2024	0.1080	-	-	-	-
	2025	0.1074	-	-	-	-
	2026	0.1074	-	-	-	-
	2027	0.1074	-	-	-	-
	2028	0.1074	-	-	-	-
	2029	0.1074	-	-	-	-
	2030	0.1270	-	-	-	-
	2031	0.1270	-	-	-	-
	2032	0.1270	-	-	-	-
	2033	0.1270	-	-	-	-
	2034	0.1270	-	-	-	-
	2035	0.1260	-	-	0.1260	-
	2036	0.1260	-	-	-	-
	2037	0.1260	-	-	-	-
	2038	0.1260	-	-	-	-
	2039	0.1260	-	-	-	-
	2040	0.1270	-	-	-	-
Bore/Drill Rigs Total			-	-	0.1260	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
1.1744	-	-	-	-	3.5245	-	-	-	-
1.1783	-	-	-	-	3.3245	-	-	-	-
1.1330	-	-	-	-	2.9021	-	-	-	-
1.1021	-	-	-	-	2.5215	-	-	-	-
1.0733	-	-	-	-	2.1531	-	-	-	-
1.0606	-	-	-	-	1.8943	-	-	-	-
1.0677	-	-	-	-	1.8073	-	-	-	-
1.0642	-	-	-	-	1.5510	-	-	-	-
1.0473	-	-	-	-	1.1629	-	-	-	-
1.0431	-	-	-	-	1.0465	-	-	-	-
1.0459	-	-	-	-	0.9754	-	-	-	-
1.0448	-	-	-	-	0.9572	-	-	-	-
1.0448	-	-	-	-	0.9572	-	-	-	-
1.0448	-	-	-	-	0.9572	-	-	-	-
1.0448	-	-	-	-	0.9572	-	-	-	-
1.0448	-	-	-	-	0.9572	-	-	-	-
1.0350	-	-	-	-	0.2740	-	-	-	-
1.0350	-	-	-	-	0.2740	-	-	-	-
1.0350	-	-	-	-	0.2740	-	-	-	-
1.0350	-	-	-	-	0.2740	-	-	-	-
1.0350	-	-	-	-	0.2740	-	-	-	-
1.0350	-	-	1.0350	-	0.2720	-	-	0.2720	-
1.0350	-	-	-	-	0.2720	-	-	-	-
1.0350	-	-	-	-	0.2720	-	-	-	-
1.0350	-	-	-	-	0.2720	-	-	-	-
1.0350	-	-	-	-	0.2720	-	-	-	-
1.0350	-	-	-	-	0.2720	-	-	-	-
1.0350	-	-	-	-	0.2720	-	-	-	-
1.0350	-	-	1.0350	-	-	-	-	0.2720	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1049	-	-	-	-	0.0965	-	-	-	-
0.0996	-	-	-	-	0.0916	-	-	-	-
0.0852	-	-	-	-	0.0784	-	-	-	-
0.0725	-	-	-	-	0.0667	-	-	-	-
0.0608	-	-	-	-	0.0560	-	-	-	-
0.0537	-	-	-	-	0.0494	-	-	-	-
0.0521	-	-	-	-	0.0479	-	-	-	-
0.0470	-	-	-	-	0.0433	-	-	-	-
0.0373	-	-	-	-	0.0343	-	-	-	-
0.0339	-	-	-	-	0.0312	-	-	-	-
0.0321	-	-	-	-	0.0296	-	-	-	-
0.0314	-	-	-	-	0.0289	-	-	-	-
0.0314	-	-	-	-	0.0289	-	-	-	-
0.0314	-	-	-	-	0.0289	-	-	-	-
0.0314	-	-	-	-	0.0289	-	-	-	-
0.0314	-	-	-	-	0.0289	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	0.0100	-	0.0100	-	-	0.0100	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	-	-	0.0100	-	-	-	-
0.0100	-	-	0.0100	-	0.0100	-	-	0.0100	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
512.3362	-	-	-	-	0.0048	-	-	-	-
506.5047	-	-	-	-	0.0048	-	-	-	-
502.1280	-	-	-	-	0.0048	-	-	-	-
494.1381	-	-	-	-	0.0048	-	-	-	-
484.5605	-	-	-	-	0.0048	-	-	-	-
475.7896	-	-	-	-	0.0048	-	-	-	-
466.8342	-	-	-	-	0.0048	-	-	-	-
467.9916	-	-	-	-	0.0048	-	-	-	-
468.7604	-	-	-	-	0.0048	-	-	-	-
469.7058	-	-	-	-	0.0049	-	-	-	-
470.7115	-	-	-	-	0.0049	-	-	-	-
470.6535	-	-	-	-	0.0049	-	-	-	-
470.6535	-	-	-	-	0.0049	-	-	-	-
470.6535	-	-	-	-	0.0049	-	-	-	-
470.6535	-	-	-	-	0.0049	-	-	-	-
470.6535	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
	-	-	568.2990	-		-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1514	-	-	-	-	0.0043	-	-	-	-
0.1512	-	-	-	-	0.0043	-	-	-	-
0.1515	-	-	-	-	0.0043	-	-	-	-
0.1514	-	-	-	-	0.0043	-	-	-	-
0.1509	-	-	-	-	0.0043	-	-	-	-
0.1505	-	-	-	-	0.0043	-	-	-	-
0.1510	-	-	-	-	0.0043	-	-	-	-
0.1514	-	-	-	-	0.0043	-	-	-	-
0.1516	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	0.0110	-	0.0043	-	-	0.0043	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	-	-	0.0043	-	-	-	-
0.0110	-	-	0.0110	-	0.0043	-	-	0.0043	-

Cement and Mortar Mixers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.6660	-	-	-	-	-
2015	0.6630	-	-	-	-	-
2016	0.6620	-	-	-	-	-
2017	0.6610	-	-	-	-	-
2018	0.6610	-	-	-	-	-
2019	0.6610	-	-	-	-	-
2020	0.6610	-	-	-	-	-
2021	0.6610	-	-	-	-	-
2022	0.6610	-	-	-	-	-
2023	0.6610	-	-	-	-	-
2024	0.6610	-	-	-	-	-
2025	0.6610	-	-	-	-	-
2026	0.6610	-	-	-	-	-
2027	0.6610	-	-	-	-	-
2028	0.6610	-	-	-	-	-
2029	0.6610	-	-	-	-	-
2030	0.6610	-	-	-	-	-
2031	0.6610	-	-	-	-	-
2032	0.6610	-	-	-	-	-
2033	0.6610	-	-	-	-	-
2034	0.6610	-	-	-	-	-
2035	0.6610	-	-	-	0.6610	-
2036	0.6610	-	-	-	-	-
2037	0.6610	-	-	-	-	-
2038	0.6610	-	-	-	-	-
2039	0.6610	-	-	-	-	-
2040	0.6610	-	-	-	-	-
Cement and Mortar Mixers Total		-	-	-	0.6610	-

[illegible]

[illegible]

[illegible]

[illegible]

Concrete/Industrial Saws	ROG		Weighted -	Weighted -	Weighted -	Weighted -
			Grubbing	Grading	Drainage	Paving
2014	0.7490	-	-	-	-	-
2015	0.6830	-	-	-	-	-
2016	0.6200	-	-	-	-	-
2017	0.5570	-	-	-	-	-
2018	0.4980	-	-	-	-	-
2019	0.4430	-	-	-	-	-
2020	0.4010	-	-	-	-	-
2021	0.3690	-	-	-	-	-
2022	0.3430	-	-	-	-	-
2023	0.3200	-	-	-	-	-
2024	0.3000	-	-	-	-	-
2025	0.2830	-	-	-	-	-
2026	0.2830	-	-	-	-	-
2027	0.2830	-	-	-	-	-
2028	0.2830	-	-	-	-	-
2029	0.2830	-	-	-	-	-
2030	0.2210	-	-	-	-	-
2031	0.2210	-	-	-	-	-
2032	0.2210	-	-	-	-	-
2033	0.2210	-	-	-	-	-
2034	0.2210	-	-	-	-	-
2035	0.2000	-	-	-	0.2000	-
2036	0.2000	-	-	-	-	-
2037	0.2000	-	-	-	-	-
2038	0.2000	-	-	-	-	-
2039	0.2000	-	-	-	-	-
2040	0.1950	-	-	-	-	-
Concrete/Industrial Saws Total		-	-	-	0.2000	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.6750	-	-	-	-	5.1600	-	-	-	-
3.6470	-	-	-	-	4.7890	-	-	-	-
3.6200	-	-	-	-	4.4320	-	-	-	-
3.5950	-	-	-	-	4.0860	-	-	-	-
3.5710	-	-	-	-	3.7540	-	-	-	-
3.5500	-	-	-	-	3.4410	-	-	-	-
3.5350	-	-	-	-	3.1630	-	-	-	-
3.5230	-	-	-	-	2.9130	-	-	-	-
3.5140	-	-	-	-	2.6860	-	-	-	-
3.5070	-	-	-	-	2.4780	-	-	-	-
3.5000	-	-	-	-	2.3150	-	-	-	-
3.4950	-	-	-	-	2.1760	-	-	-	-
3.4950	-	-	-	-	2.1760	-	-	-	-
3.4950	-	-	-	-	2.1760	-	-	-	-
3.4950	-	-	-	-	2.1760	-	-	-	-
3.4950	-	-	-	-	2.1760	-	-	-	-
3.4800	-	-	-	-	1.6670	-	-	-	-
3.4800	-	-	-	-	1.6670	-	-	-	-
3.4800	-	-	-	-	1.6670	-	-	-	-
3.4800	-	-	-	-	1.6670	-	-	-	-
3.4800	-	-	-	-	1.6670	-	-	-	-
3.4760	-	-	3.4760	-	1.4910	-	-	1.4910	-
3.4760	-	-	-	-	1.4910	-	-	-	-
3.4760	-	-	-	-	1.4910	-	-	-	-
3.4760	-	-	-	-	1.4910	-	-	-	-
3.4760	-	-	-	-	1.4910	-	-	-	-
3.4770	-	-	-	-	1.4340	-	-	-	-
	-	-	3.4760	-		-	-	1.4910	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4120	-	-	-	-	0.4120	-	-	-	-
0.3720	-	-	-	-	0.3720	-	-	-	-
0.3330	-	-	-	-	0.3330	-	-	-	-
0.2940	-	-	-	-	0.2940	-	-	-	-
0.2560	-	-	-	-	0.2560	-	-	-	-
0.2200	-	-	-	-	0.2200	-	-	-	-
0.1900	-	-	-	-	0.1900	-	-	-	-
0.1660	-	-	-	-	0.1660	-	-	-	-
0.1440	-	-	-	-	0.1440	-	-	-	-
0.1230	-	-	-	-	0.1230	-	-	-	-
0.1060	-	-	-	-	0.1060	-	-	-	-
0.0890	-	-	-	-	0.0890	-	-	-	-
0.0890	-	-	-	-	0.0890	-	-	-	-
0.0890	-	-	-	-	0.0890	-	-	-	-
0.0890	-	-	-	-	0.0890	-	-	-	-
0.0890	-	-	-	-	0.0890	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0180	-	-	0.0180	-	0.0180	-	-	0.0180	-
0.0180	-	-	-	-	0.0180	-	-	-	-
0.0180	-	-	-	-	0.0180	-	-	-	-
0.0180	-	-	-	-	0.0180	-	-	-	-
0.0180	-	-	-	-	0.0180	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0180	-		-	-	0.0180	-

[illegible]

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0670	-	-	-	-	0.0043	-	-	-	-
0.0610	-	-	-	-	0.0043	-	-	-	-
0.0550	-	-	-	-	0.0043	-	-	-	-
0.0500	-	-	-	-	0.0043	-	-	-	-
0.0440	-	-	-	-	0.0043	-	-	-	-
0.0400	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0330	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0280	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	0.0180	-	0.0043	-	-	0.0043	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0180	-		-	-	0.0043	-

Cranes			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.6607	-	-	-	-
	2015	0.6422	-	-	-	-
	2016	0.6229	-	-	-	-
	2017	0.5606	-	-	-	-
	2018	0.4831	-	-	-	-
	2019	0.4266	-	-	-	-
	2020	0.3837	-	-	-	-
	2021	0.3495	-	-	-	-
	2022	0.3157	-	-	-	-
	2023	0.2974	-	-	-	-
	2024	0.2808	-	-	-	-
	2025	0.2648	-	-	-	-
	2026	0.2648	-	-	-	-
	2027	0.2648	-	-	-	-
	2028	0.2648	-	-	-	-
	2029	0.2648	-	-	-	-
	2030	0.2240	-	-	-	-
	2031	0.2240	-	-	-	-
	2032	0.2240	-	-	-	-
	2033	0.2240	-	-	-	-
	2034	0.2240	-	-	-	-
	2035	0.2030	-	-	0.2030	-
	2036	0.2030	-	-	-	-
	2037	0.2030	-	-	-	-
	2038	0.2030	-	-	-	-
	2039	0.2030	-	-	-	-
	2040	0.1950	-	-	-	-
Cranes Total			-	-	0.2030	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2.7263	-	-	-	-	7.8603	-	-	-	-
2.6533	-	-	-	-	7.6216	-	-	-	-
2.5822	-	-	-	-	7.3807	-	-	-	-
2.3845	-	-	-	-	6.6553	-	-	-	-
2.1345	-	-	-	-	5.7730	-	-	-	-
1.9408	-	-	-	-	5.0842	-	-	-	-
1.7904	-	-	-	-	4.5633	-	-	-	-
1.6782	-	-	-	-	4.1044	-	-	-	-
1.6016	-	-	-	-	3.5415	-	-	-	-
1.5526	-	-	-	-	3.2294	-	-	-	-
1.5021	-	-	-	-	2.9660	-	-	-	-
1.4697	-	-	-	-	2.6813	-	-	-	-
1.4697	-	-	-	-	2.6813	-	-	-	-
1.4697	-	-	-	-	2.6813	-	-	-	-
1.4697	-	-	-	-	2.6813	-	-	-	-
1.4697	-	-	-	-	2.6813	-	-	-	-
1.1470	-	-	-	-	0.7480	-	-	-	-
1.1470	-	-	-	-	0.7480	-	-	-	-
1.1470	-	-	-	-	0.7480	-	-	-	-
1.1470	-	-	-	-	0.7480	-	-	-	-
1.1470	-	-	-	-	0.7480	-	-	-	-
1.1430	-	-	1.1430	-	0.4630	-	-	0.4630	-
1.1430	-	-	-	-	0.4630	-	-	-	-
1.1430	-	-	-	-	0.4630	-	-	-	-
1.1430	-	-	-	-	0.4630	-	-	-	-
1.1430	-	-	-	-	0.4630	-	-	-	-
1.1440	-	-	-	-	0.3440	-	-	-	-
	-	-	1.1430	-		-	-	0.4630	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3603	-	-	-	-	0.3314	-	-	-	-
0.3479	-	-	-	-	0.3201	-	-	-	-
0.3349	-	-	-	-	0.3081	-	-	-	-
0.2967	-	-	-	-	0.2730	-	-	-	-
0.2499	-	-	-	-	0.2299	-	-	-	-
0.2155	-	-	-	-	0.1983	-	-	-	-
0.1881	-	-	-	-	0.1731	-	-	-	-
0.1666	-	-	-	-	0.1533	-	-	-	-
0.1470	-	-	-	-	0.1353	-	-	-	-
0.1349	-	-	-	-	0.1241	-	-	-	-
0.1234	-	-	-	-	0.1135	-	-	-	-
0.1140	-	-	-	-	0.1049	-	-	-	-
0.1140	-	-	-	-	0.1049	-	-	-	-
0.1140	-	-	-	-	0.1049	-	-	-	-
0.1140	-	-	-	-	0.1049	-	-	-	-
0.1140	-	-	-	-	0.1049	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
517.6833	-	-	-	-	0.0049	-	-	-	-
512.4484	-	-	-	-	0.0049	-	-	-	-
507.1552	-	-	-	-	0.0049	-	-	-	-
499.3721	-	-	-	-	0.0049	-	-	-	-
491.4069	-	-	-	-	0.0049	-	-	-	-
483.4616	-	-	-	-	0.0049	-	-	-	-
472.9488	-	-	-	-	0.0049	-	-	-	-
472.9057	-	-	-	-	0.0049	-	-	-	-
472.9832	-	-	-	-	0.0049	-	-	-	-
472.9738	-	-	-	-	0.0049	-	-	-	-
472.9638	-	-	-	-	0.0049	-	-	-	-
472.9798	-	-	-	-	0.0049	-	-	-	-
472.9798	-	-	-	-	0.0049	-	-	-	-
472.9798	-	-	-	-	0.0049	-	-	-	-
472.9798	-	-	-	-	0.0049	-	-	-	-
472.9798	-	-	-	-	0.0049	-	-	-	-
472.9798	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	0.0180	-	0.0043	-	-	0.0043	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0180	-		-	-	0.0043	-

Crawler Tractors			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.4540	-	-	-	-	-
2015	0.4511	-	-	-	-	-
2016	0.4487	-	-	-	-	-
2017	0.4295	-	-	-	-	-
2018	0.3983	-	-	-	-	-
2019	0.3796	-	-	-	-	-
2020	0.3600	-	-	-	-	-
2021	0.3427	-	-	-	-	-
2022	0.3060	-	-	-	-	-
2023	0.2763	-	-	-	-	-
2024	0.2638	-	-	-	-	-
2025	0.2324	-	-	-	-	-
2026	0.2324	-	-	-	-	-
2027	0.2324	-	-	-	-	-
2028	0.2324	-	-	-	-	-
2029	0.2324	-	-	-	-	-
2030	0.2620	-	-	-	-	-
2031	0.2620	-	-	-	-	-
2032	0.2620	-	-	-	-	-
2033	0.2620	-	-	-	-	-
2034	0.2620	-	-	-	-	-
2035	0.2290	-	-	-	0.2290	-
2036	0.2290	-	-	-	-	-
2037	0.2290	-	-	-	-	-
2038	0.2290	-	-	-	-	-
2039	0.2290	-	-	-	-	-
2040	0.2110	-	-	-	-	-
Crawler Tractors Total		-	-	-	0.2290	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
1.8377	-	-	-	-	6.2375	-	-	-	-
1.8159	-	-	-	-	6.1431	-	-	-	-
1.8030	-	-	-	-	6.0475	-	-	-	-
1.7418	-	-	-	-	5.7597	-	-	-	-
1.6535	-	-	-	-	5.2896	-	-	-	-
1.6045	-	-	-	-	4.9721	-	-	-	-
1.5549	-	-	-	-	4.6323	-	-	-	-
1.5146	-	-	-	-	4.3339	-	-	-	-
1.4398	-	-	-	-	3.7367	-	-	-	-
1.3955	-	-	-	-	3.1874	-	-	-	-
1.3699	-	-	-	-	2.9532	-	-	-	-
1.3085	-	-	-	-	2.4616	-	-	-	-
1.3085	-	-	-	-	2.4616	-	-	-	-
1.3085	-	-	-	-	2.4616	-	-	-	-
1.3085	-	-	-	-	2.4616	-	-	-	-
1.3085	-	-	-	-	2.4616	-	-	-	-
1.2070	-	-	-	-	1.1040	-	-	-	-
1.2070	-	-	-	-	1.1040	-	-	-	-
1.2070	-	-	-	-	1.1040	-	-	-	-
1.2070	-	-	-	-	1.1040	-	-	-	-
1.2070	-	-	-	-	1.1040	-	-	-	-
1.1820	-	-	1.1820	-	0.6950	-	-	0.6950	-
1.1820	-	-	-	-	0.6950	-	-	-	-
1.1820	-	-	-	-	0.6950	-	-	-	-
1.1820	-	-	-	-	0.6950	-	-	-	-
1.1820	-	-	-	-	0.6950	-	-	-	-
1.1670	-	-	-	-	0.4910	-	-	-	-
	-	-	1.1820	-		-	-	0.6950	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2411	-	-	-	-	0.2218	-	-	-	-
0.2369	-	-	-	-	0.2179	-	-	-	-
0.2332	-	-	-	-	0.2145	-	-	-	-
0.2199	-	-	-	-	0.2023	-	-	-	-
0.2001	-	-	-	-	0.1841	-	-	-	-
0.1875	-	-	-	-	0.1725	-	-	-	-
0.1746	-	-	-	-	0.1606	-	-	-	-
0.1631	-	-	-	-	0.1500	-	-	-	-
0.1410	-	-	-	-	0.1297	-	-	-	-
0.1236	-	-	-	-	0.1137	-	-	-	-
0.1146	-	-	-	-	0.1055	-	-	-	-
0.0961	-	-	-	-	0.0884	-	-	-	-
0.0961	-	-	-	-	0.0884	-	-	-	-
0.0961	-	-	-	-	0.0884	-	-	-	-
0.0961	-	-	-	-	0.0884	-	-	-	-
0.0961	-	-	-	-	0.0884	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0260	-	-	0.0260	-	0.0260	-	-	0.0260	-
0.0260	-	-	-	-	0.0260	-	-	-	-
0.0260	-	-	-	-	0.0260	-	-	-	-
0.0260	-	-	-	-	0.0260	-	-	-	-
0.0260	-	-	-	-	0.0260	-	-	-	-
0.0180	-	-	-	-	0.0180	-	-	-	-
	-	-	0.0260	-		-	-	0.0260	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
518.0363	-	-	-	-	0.0049	-	-	-	-
512.8973	-	-	-	-	0.0049	-	-	-	-
507.3550	-	-	-	-	0.0049	-	-	-	-
499.8320	-	-	-	-	0.0049	-	-	-	-
491.6060	-	-	-	-	0.0049	-	-	-	-
483.4489	-	-	-	-	0.0049	-	-	-	-
472.9410	-	-	-	-	0.0049	-	-	-	-
472.9246	-	-	-	-	0.0049	-	-	-	-
472.0975	-	-	-	-	0.0049	-	-	-	-
471.6244	-	-	-	-	0.0049	-	-	-	-
471.8603	-	-	-	-	0.0049	-	-	-	-
471.6224	-	-	-	-	0.0049	-	-	-	-
471.6224	-	-	-	-	0.0049	-	-	-	-
471.6224	-	-	-	-	0.0049	-	-	-	-
471.6224	-	-	-	-	0.0049	-	-	-	-
471.6224	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1526	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	0.0200	-	0.0043	-	-	0.0043	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0200	-		-	-	0.0043	-

Crushing/Proc. Equipment	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.8770	-	-	-	-
	2015	0.7970	-	-	-	-
	2016	0.7200	-	-	-	-
	2017	0.6470	-	-	-	-
	2018	0.5800	-	-	-	-
	2019	0.5190	-	-	-	-
	2020	0.4730	-	-	-	-
	2021	0.4380	-	-	-	-
	2022	0.4100	-	-	-	-
	2023	0.3850	-	-	-	-
	2024	0.3640	-	-	-	-
	2025	0.3450	-	-	-	-
	2026	0.3450	-	-	-	-
	2027	0.3450	-	-	-	-
	2028	0.3450	-	-	-	-
	2029	0.3450	-	-	-	-
	2030	0.2720	-	-	-	-
	2031	0.2720	-	-	-	-
	2032	0.2720	-	-	-	-
	2033	0.2720	-	-	-	-
	2034	0.2720	-	-	-	-
	2035	0.2490	-	-	0.2490	-
	2036	0.2490	-	-	-	-
	2037	0.2490	-	-	-	-
	2038	0.2490	-	-	-	-
	2039	0.2490	-	-	-	-
	2040	0.2450	-	-	-	-
Crushing/Proc. Equipment Total			-	-	0.2490	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.8980	-	-	-	-	5.4680	-	-	-	-
3.8590	-	-	-	-	5.0400	-	-	-	-
3.8230	-	-	-	-	4.6310	-	-	-	-
3.7910	-	-	-	-	4.2440	-	-	-	-
3.7630	-	-	-	-	3.8810	-	-	-	-
3.7390	-	-	-	-	3.5440	-	-	-	-
3.7220	-	-	-	-	3.2490	-	-	-	-
3.7110	-	-	-	-	2.9890	-	-	-	-
3.7040	-	-	-	-	2.7580	-	-	-	-
3.7000	-	-	-	-	2.5520	-	-	-	-
3.6970	-	-	-	-	2.3890	-	-	-	-
3.6940	-	-	-	-	2.2480	-	-	-	-
3.6940	-	-	-	-	2.2480	-	-	-	-
3.6940	-	-	-	-	2.2480	-	-	-	-
3.6940	-	-	-	-	2.2480	-	-	-	-
3.6940	-	-	-	-	2.2480	-	-	-	-
3.6730	-	-	-	-	1.7080	-	-	-	-
3.6730	-	-	-	-	1.7080	-	-	-	-
3.6730	-	-	-	-	1.7080	-	-	-	-
3.6730	-	-	-	-	1.7080	-	-	-	-
3.6730	-	-	-	-	1.7080	-	-	-	-
3.6650	-	-	3.6650	-	1.5310	-	-	1.5310	-
3.6650	-	-	-	-	1.5310	-	-	-	-
3.6650	-	-	-	-	1.5310	-	-	-	-
3.6650	-	-	-	-	1.5310	-	-	-	-
3.6650	-	-	-	-	1.5310	-	-	-	-
3.6700	-	-	-	-	1.4770	-	-	-	-
	-	-	3.6650	-		-	-	1.5310	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4810	-	-	-	-	0.4810	-	-	-	-
0.4300	-	-	-	-	0.4300	-	-	-	-
0.3790	-	-	-	-	0.3790	-	-	-	-
0.3300	-	-	-	-	0.3300	-	-	-	-
0.2840	-	-	-	-	0.2840	-	-	-	-
0.2410	-	-	-	-	0.2410	-	-	-	-
0.2060	-	-	-	-	0.2060	-	-	-	-
0.1780	-	-	-	-	0.1780	-	-	-	-
0.1540	-	-	-	-	0.1540	-	-	-	-
0.1320	-	-	-	-	0.1320	-	-	-	-
0.1120	-	-	-	-	0.1120	-	-	-	-
0.0950	-	-	-	-	0.0950	-	-	-	-
0.0950	-	-	-	-	0.0950	-	-	-	-
0.0950	-	-	-	-	0.0950	-	-	-	-
0.0950	-	-	-	-	0.0950	-	-	-	-
0.0950	-	-	-	-	0.0950	-	-	-	-
0.0380	-	-	-	-	0.0380	-	-	-	-
0.0380	-	-	-	-	0.0380	-	-	-	-
0.0380	-	-	-	-	0.0380	-	-	-	-
0.0380	-	-	-	-	0.0380	-	-	-	-
0.0380	-	-	-	-	0.0380	-	-	-	-
0.0200	-	-	0.0200	-	0.0200	-	-	0.0200	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
	-	-	0.0200	-		-	-	0.0200	-

[illegible]

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0790	-	-	-	-	0.0043	-	-	-	-
0.0710	-	-	-	-	0.0043	-	-	-	-
0.0650	-	-	-	-	0.0043	-	-	-	-
0.0580	-	-	-	-	0.0043	-	-	-	-
0.0520	-	-	-	-	0.0043	-	-	-	-
0.0460	-	-	-	-	0.0043	-	-	-	-
0.0420	-	-	-	-	0.0043	-	-	-	-
0.0390	-	-	-	-	0.0043	-	-	-	-
0.0370	-	-	-	-	0.0043	-	-	-	-
0.0340	-	-	-	-	0.0043	-	-	-	-
0.0320	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	0.0220	-	0.0043	-	-	0.0043	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0220	-		-	-	0.0043	-

Excavators			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.3900	-	-	-	-
	2015	0.3837	-	-	-	-
	2016	0.3575	-	-	-	-
	2017	0.3336	-	-	-	-
	2018	0.2731	-	-	-	-
	2019	0.2462	-	-	-	-
	2020	0.2314	-	-	-	-
	2021	0.2164	-	-	-	-
	2022	0.1912	-	-	-	-
	2023	0.1782	-	-	-	-
	2024	0.1702	-	-	-	-
	2025	0.1578	-	-	-	-
	2026	0.1578	-	-	-	-
	2027	0.1578	-	-	-	-
	2028	0.1578	-	-	-	-
	2029	0.1578	-	-	-	-
	2030	0.2130	-	-	-	-
	2031	0.2130	-	-	-	-
	2032	0.2130	-	-	-	-
	2033	0.2130	-	-	-	-
	2034	0.2130	-	-	-	-
	2035	0.1970	-	-	0.1970	-
	2036	0.1970	-	-	-	-
	2037	0.1970	-	-	-	-
	2038	0.1970	-	-	-	-
	2039	0.1970	-	-	-	-
	2040	0.1930	-	-	-	-
Excavators Total			-	-	0.1970	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.1544	-	-	-	-	4.6570	-	-	-	-
3.1676	-	-	-	-	4.4807	-	-	-	-
3.1577	-	-	-	-	4.0810	-	-	-	-
3.1509	-	-	-	-	3.6997	-	-	-	-
3.0934	-	-	-	-	2.9236	-	-	-	-
3.0816	-	-	-	-	2.5326	-	-	-	-
3.0860	-	-	-	-	2.2784	-	-	-	-
3.0898	-	-	-	-	2.0336	-	-	-	-
3.0740	-	-	-	-	1.6781	-	-	-	-
3.0765	-	-	-	-	1.4625	-	-	-	-
3.0834	-	-	-	-	1.3248	-	-	-	-
3.0780	-	-	-	-	1.1537	-	-	-	-
3.0780	-	-	-	-	1.1537	-	-	-	-
3.0780	-	-	-	-	1.1537	-	-	-	-
3.0780	-	-	-	-	1.1537	-	-	-	-
3.0780	-	-	-	-	1.1537	-	-	-	-
3.3620	-	-	-	-	0.5250	-	-	-	-
3.3620	-	-	-	-	0.5250	-	-	-	-
3.3620	-	-	-	-	0.5250	-	-	-	-
3.3620	-	-	-	-	0.5250	-	-	-	-
3.3620	-	-	-	-	0.5250	-	-	-	-
3.3630	-	-	3.3630	-	0.3650	-	-	0.3650	-
3.3630	-	-	-	-	0.3650	-	-	-	-
3.3630	-	-	-	-	0.3650	-	-	-	-
3.3630	-	-	-	-	0.3650	-	-	-	-
3.3630	-	-	-	-	0.3650	-	-	-	-
3.3630	-	-	-	-	0.3110	-	-	-	-
	-	-	3.3630	-		-	-	0.3650	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2289	-	-	-	-	0.2106	-	-	-	-
0.2212	-	-	-	-	0.2035	-	-	-	-
0.2008	-	-	-	-	0.1847	-	-	-	-
0.1820	-	-	-	-	0.1675	-	-	-	-
0.1418	-	-	-	-	0.1304	-	-	-	-
0.1221	-	-	-	-	0.1124	-	-	-	-
0.1104	-	-	-	-	0.1015	-	-	-	-
0.0986	-	-	-	-	0.0907	-	-	-	-
0.0811	-	-	-	-	0.0746	-	-	-	-
0.0716	-	-	-	-	0.0659	-	-	-	-
0.0653	-	-	-	-	0.0600	-	-	-	-
0.0566	-	-	-	-	0.0520	-	-	-	-
0.0566	-	-	-	-	0.0520	-	-	-	-
0.0566	-	-	-	-	0.0520	-	-	-	-
0.0566	-	-	-	-	0.0520	-	-	-	-
0.0566	-	-	-	-	0.0520	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0150	-	-	0.0150	-	0.0150	-	-	0.0150	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0150	-		-	-	0.0150	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
516.9066	-	-	-	-	0.0049	-	-	-	-
511.6869	-	-	-	-	0.0049	-	-	-	-
506.4950	-	-	-	-	0.0049	-	-	-	-
498.5222	-	-	-	-	0.0049	-	-	-	-
490.6725	-	-	-	-	0.0049	-	-	-	-
482.6838	-	-	-	-	0.0049	-	-	-	-
472.2891	-	-	-	-	0.0049	-	-	-	-
472.3586	-	-	-	-	0.0049	-	-	-	-
472.1917	-	-	-	-	0.0049	-	-	-	-
472.2770	-	-	-	-	0.0049	-	-	-	-
472.4279	-	-	-	-	0.0049	-	-	-	-
472.4964	-	-	-	-	0.0049	-	-	-	-
472.4964	-	-	-	-	0.0049	-	-	-	-
472.4964	-	-	-	-	0.0049	-	-	-	-
472.4964	-	-	-	-	0.0049	-	-	-	-
472.4964	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	0.0170	-	0.0043	-	-	0.0043	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0170	-		-	-	0.0043	-

Forklifts			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.7945	-	-	-	-
	2015	0.7684	-	-	-	-
	2016	0.7229	-	-	-	-
	2017	0.6719	-	-	-	-
	2018	0.5674	-	-	-	-
	2019	0.5095	-	-	-	-
	2020	0.4587	-	-	-	-
	2021	0.4120	-	-	-	-
	2022	0.3618	-	-	-	-
	2023	0.3266	-	-	-	-
	2024	0.3000	-	-	-	-
	2025	0.2768	-	-	-	-
	2026	0.2768	-	-	-	-
	2027	0.2768	-	-	-	-
	2028	0.2768	-	-	-	-
	2029	0.2768	-	-	-	-
	2030	0.2830	-	-	-	-
	2031	0.2830	-	-	-	-
	2032	0.2830	-	-	-	-
	2033	0.2830	-	-	-	-
	2034	0.2830	-	-	-	-
	2035	0.2750	-	-	0.2750	-
	2036	0.2750	-	-	-	-
	2037	0.2750	-	-	-	-
	2038	0.2750	-	-	-	-
	2039	0.2750	-	-	-	-
	2040	0.2760	-	-	-	-
Forklifts Total			-	-	0.2750	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.0794	-	-	-	-	6.8483	-	-	-	-
4.0635	-	-	-	-	6.6009	-	-	-	-
4.0231	-	-	-	-	6.2219	-	-	-	-
3.9788	-	-	-	-	5.8177	-	-	-	-
3.8582	-	-	-	-	5.0153	-	-	-	-
3.8039	-	-	-	-	4.5497	-	-	-	-
3.7595	-	-	-	-	4.1330	-	-	-	-
3.7200	-	-	-	-	3.7559	-	-	-	-
3.6751	-	-	-	-	3.3602	-	-	-	-
3.6466	-	-	-	-	3.0569	-	-	-	-
3.6291	-	-	-	-	2.8143	-	-	-	-
3.6114	-	-	-	-	2.6073	-	-	-	-
3.6114	-	-	-	-	2.6073	-	-	-	-
3.6114	-	-	-	-	2.6073	-	-	-	-
3.6114	-	-	-	-	2.6073	-	-	-	-
3.6114	-	-	-	-	2.6073	-	-	-	-
3.7990	-	-	-	-	1.5550	-	-	-	-
3.7990	-	-	-	-	1.5550	-	-	-	-
3.7990	-	-	-	-	1.5550	-	-	-	-
3.7990	-	-	-	-	1.5550	-	-	-	-
3.7990	-	-	-	-	1.5550	-	-	-	-
3.7870	-	-	3.7870	-	1.4950	-	-	1.4950	-
3.7870	-	-	-	-	1.4950	-	-	-	-
3.7870	-	-	-	-	1.4950	-	-	-	-
3.7870	-	-	-	-	1.4950	-	-	-	-
3.7870	-	-	-	-	1.4950	-	-	-	-
3.7940	-	-	-	-	1.4910	-	-	-	-
	-	-	3.7870	-		-	-	1.4950	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5737	-	-	-	-	0.5278	-	-	-	-
0.5545	-	-	-	-	0.5101	-	-	-	-
0.5203	-	-	-	-	0.4786	-	-	-	-
0.4800	-	-	-	-	0.4416	-	-	-	-
0.4002	-	-	-	-	0.3682	-	-	-	-
0.3525	-	-	-	-	0.3243	-	-	-	-
0.3079	-	-	-	-	0.2833	-	-	-	-
0.2666	-	-	-	-	0.2453	-	-	-	-
0.2226	-	-	-	-	0.2048	-	-	-	-
0.1889	-	-	-	-	0.1738	-	-	-	-
0.1625	-	-	-	-	0.1495	-	-	-	-
0.1396	-	-	-	-	0.1284	-	-	-	-
0.1396	-	-	-	-	0.1284	-	-	-	-
0.1396	-	-	-	-	0.1284	-	-	-	-
0.1396	-	-	-	-	0.1284	-	-	-	-
0.1396	-	-	-	-	0.1284	-	-	-	-
0.0210	-	-	-	-	0.0210	-	-	-	-
0.0210	-	-	-	-	0.0210	-	-	-	-
0.0210	-	-	-	-	0.0210	-	-	-	-
0.0210	-	-	-	-	0.0210	-	-	-	-
0.0210	-	-	-	-	0.0210	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
516.0617	-	-	-	-	0.0049	-	-	-	-
510.8225	-	-	-	-	0.0049	-	-	-	-
505.5833	-	-	-	-	0.0049	-	-	-	-
497.7245	-	-	-	-	0.0049	-	-	-	-
489.8657	-	-	-	-	0.0049	-	-	-	-
482.0069	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
471.5285	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	0.0240	-	0.0043	-	-	0.0043	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0240	-		-	-	0.0043	-

Generator Sets			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.7210	-	-	-	-	-
2015	0.6510	-	-	-	-	-
2016	0.5830	-	-	-	-	-
2017	0.5200	-	-	-	-	-
2018	0.4610	-	-	-	-	-
2019	0.4050	-	-	-	-	-
2020	0.3640	-	-	-	-	-
2021	0.3260	-	-	-	-	-
2022	0.3010	-	-	-	-	-
2023	0.2790	-	-	-	-	-
2024	0.2600	-	-	-	-	-
2025	0.2430	-	-	-	-	-
2026	0.2430	-	-	-	-	-
2027	0.2430	-	-	-	-	-
2028	0.2430	-	-	-	-	-
2029	0.2430	-	-	-	-	-
2030	0.1780	-	-	-	-	-
2031	0.1780	-	-	-	-	-
2032	0.1780	-	-	-	-	-
2033	0.1780	-	-	-	-	-
2034	0.1780	-	-	-	-	-
2035	0.1560	-	-	-	0.1560	-
2036	0.1560	-	-	-	-	-
2037	0.1560	-	-	-	-	-
2038	0.1560	-	-	-	-	-
2039	0.1560	-	-	-	-	-
2040	0.1520	-	-	-	-	-
Generator Sets Total		-	-	-	0.1560	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.5320	-	-	-	-	5.1470	-	-	-	-
3.4990	-	-	-	-	4.7690	-	-	-	-
3.4690	-	-	-	-	4.4100	-	-	-	-
3.4420	-	-	-	-	4.0720	-	-	-	-
3.4180	-	-	-	-	3.7520	-	-	-	-
3.3960	-	-	-	-	3.4460	-	-	-	-
3.3800	-	-	-	-	3.1730	-	-	-	-
3.3610	-	-	-	-	2.8880	-	-	-	-
3.3530	-	-	-	-	2.6710	-	-	-	-
3.3470	-	-	-	-	2.4770	-	-	-	-
3.3420	-	-	-	-	2.3210	-	-	-	-
3.3380	-	-	-	-	2.1850	-	-	-	-
3.3380	-	-	-	-	2.1850	-	-	-	-
3.3380	-	-	-	-	2.1850	-	-	-	-
3.3380	-	-	-	-	2.1850	-	-	-	-
3.3380	-	-	-	-	2.1850	-	-	-	-
3.3160	-	-	-	-	1.6450	-	-	-	-
3.3160	-	-	-	-	1.6450	-	-	-	-
3.3160	-	-	-	-	1.6450	-	-	-	-
3.3160	-	-	-	-	1.6450	-	-	-	-
3.3160	-	-	-	-	1.6450	-	-	-	-
3.3100	-	-	3.3100	-	1.4580	-	-	1.4580	-
3.3100	-	-	-	-	1.4580	-	-	-	-
3.3100	-	-	-	-	1.4580	-	-	-	-
3.3100	-	-	-	-	1.4580	-	-	-	-
3.3100	-	-	-	-	1.4580	-	-	-	-
3.3080	-	-	-	-	1.3990	-	-	-	-
	-	-	3.3100	-		-	-	1.4580	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3850	-	-	-	-	0.3850	-	-	-	-
0.3470	-	-	-	-	0.3470	-	-	-	-
0.3090	-	-	-	-	0.3090	-	-	-	-
0.2740	-	-	-	-	0.2740	-	-	-	-
0.2390	-	-	-	-	0.2390	-	-	-	-
0.2060	-	-	-	-	0.2060	-	-	-	-
0.1790	-	-	-	-	0.1790	-	-	-	-
0.1530	-	-	-	-	0.1530	-	-	-	-
0.1340	-	-	-	-	0.1340	-	-	-	-
0.1170	-	-	-	-	0.1170	-	-	-	-
0.1010	-	-	-	-	0.1010	-	-	-	-
0.0870	-	-	-	-	0.0870	-	-	-	-
0.0870	-	-	-	-	0.0870	-	-	-	-
0.0870	-	-	-	-	0.0870	-	-	-	-
0.0870	-	-	-	-	0.0870	-	-	-	-
0.0870	-	-	-	-	0.0870	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0120	-	-	-	-	0.0120	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

[illegible]

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0650	-	-	-	-	0.0043	-	-	-	-
0.0580	-	-	-	-	0.0043	-	-	-	-
0.0520	-	-	-	-	0.0043	-	-	-	-
0.0460	-	-	-	-	0.0043	-	-	-	-
0.0410	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0320	-	-	-	-	0.0043	-	-	-	-
0.0290	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0160	-	-	-	-	0.0043	-	-	-	-
0.0160	-	-	-	-	0.0043	-	-	-	-
0.0160	-	-	-	-	0.0043	-	-	-	-
0.0160	-	-	-	-	0.0043	-	-	-	-
0.0160	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	0.0140	-	0.0043	-	-	0.0043	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0140	-		-	-	0.0043	-

Graders			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.3898	-	-	-	-
	2015	0.3960	-	-	-	-
	2016	0.3983	-	-	-	-
	2017	0.3961	-	-	-	-
	2018	0.3843	-	-	-	-
	2019	0.3599	-	-	-	-
	2020	0.3519	-	-	-	-
	2021	0.3350	-	-	-	-
	2022	0.3069	-	-	-	-
	2023	0.2836	-	-	-	-
	2024	0.2622	-	-	-	-
	2025	0.2301	-	-	-	-
	2026	0.2301	-	-	-	-
	2027	0.2301	-	-	-	-
	2028	0.2301	-	-	-	-
	2029	0.2301	-	-	-	-
	2030	0.2160	-	-	-	-
	2031	0.2160	-	-	-	-
	2032	0.2160	-	-	-	-
	2033	0.2160	-	-	-	-
	2034	0.2160	-	-	-	-
	2035	0.1960	-	-	0.1960	-
	2036	0.1960	-	-	-	-
	2037	0.1960	-	-	-	-
	2038	0.1960	-	-	-	-
	2039	0.1960	-	-	-	-
	2040	0.1880	-	-	-	-
Graders Total			-	-	0.1960	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
1.4625	-	-	-	-	5.7400	-	-	-	-
1.4658	-	-	-	-	5.7275	-	-	-	-
1.4591	-	-	-	-	5.6628	-	-	-	-
1.4491	-	-	-	-	5.5249	-	-	-	-
1.4160	-	-	-	-	5.2709	-	-	-	-
1.3593	-	-	-	-	4.8658	-	-	-	-
1.3418	-	-	-	-	4.6779	-	-	-	-
1.3069	-	-	-	-	4.3813	-	-	-	-
1.2733	-	-	-	-	3.8881	-	-	-	-
1.2517	-	-	-	-	3.4410	-	-	-	-
1.2250	-	-	-	-	3.0732	-	-	-	-
1.1789	-	-	-	-	2.5563	-	-	-	-
1.1789	-	-	-	-	2.5563	-	-	-	-
1.1789	-	-	-	-	2.5563	-	-	-	-
1.1789	-	-	-	-	2.5563	-	-	-	-
1.1789	-	-	-	-	2.5563	-	-	-	-
1.1480	-	-	-	-	0.6840	-	-	-	-
1.1480	-	-	-	-	0.6840	-	-	-	-
1.1480	-	-	-	-	0.6840	-	-	-	-
1.1480	-	-	-	-	0.6840	-	-	-	-
1.1480	-	-	-	-	0.6840	-	-	-	-
1.1370	-	-	1.1370	-	0.4520	-	-	0.4520	-
1.1370	-	-	-	-	0.4520	-	-	-	-
1.1370	-	-	-	-	0.4520	-	-	-	-
1.1370	-	-	-	-	0.4520	-	-	-	-
1.1370	-	-	-	-	0.4520	-	-	-	-
1.1330	-	-	-	-	0.3600	-	-	-	-
	-	-	1.1370	-		-	-	0.4520	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1853	-	-	-	-	0.1705	-	-	-	-
0.1856	-	-	-	-	0.1708	-	-	-	-
0.1840	-	-	-	-	0.1692	-	-	-	-
0.1802	-	-	-	-	0.1658	-	-	-	-
0.1713	-	-	-	-	0.1576	-	-	-	-
0.1562	-	-	-	-	0.1437	-	-	-	-
0.1495	-	-	-	-	0.1376	-	-	-	-
0.1388	-	-	-	-	0.1277	-	-	-	-
0.1237	-	-	-	-	0.1138	-	-	-	-
0.1115	-	-	-	-	0.1026	-	-	-	-
0.0997	-	-	-	-	0.0917	-	-	-	-
0.0823	-	-	-	-	0.0757	-	-	-	-
0.0823	-	-	-	-	0.0757	-	-	-	-
0.0823	-	-	-	-	0.0757	-	-	-	-
0.0823	-	-	-	-	0.0757	-	-	-	-
0.0823	-	-	-	-	0.0757	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0240	-	-	-	-	0.0240	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
522.3298	-	-	-	-	0.0049	-	-	-	-
517.1275	-	-	-	-	0.0049	-	-	-	-
511.6959	-	-	-	-	0.0049	-	-	-	-
503.8022	-	-	-	-	0.0049	-	-	-	-
495.4310	-	-	-	-	0.0049	-	-	-	-
486.3288	-	-	-	-	0.0049	-	-	-	-
475.3037	-	-	-	-	0.0049	-	-	-	-
474.5386	-	-	-	-	0.0049	-	-	-	-
474.2390	-	-	-	-	0.0049	-	-	-	-
473.9256	-	-	-	-	0.0049	-	-	-	-
473.6685	-	-	-	-	0.0049	-	-	-	-
473.4704	-	-	-	-	0.0049	-	-	-	-
473.4704	-	-	-	-	0.0049	-	-	-	-
473.4704	-	-	-	-	0.0049	-	-	-	-
473.4704	-	-	-	-	0.0049	-	-	-	-
473.4704	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1544	-	-	-	-	0.0043	-	-	-	-
0.1544	-	-	-	-	0.0043	-	-	-	-
0.1543	-	-	-	-	0.0043	-	-	-	-
0.1544	-	-	-	-	0.0043	-	-	-	-
0.1542	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1534	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1532	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	0.0170	-	0.0043	-	-	0.0043	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0170	-		-	-	0.0043	-

Off-Highway Tractors			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.4242	-	-	-	-	-
2015	0.4017	-	-	-	-	-
2016	0.3910	-	-	-	-	-
2017	0.3559	-	-	-	-	-
2018	0.3149	-	-	-	-	-
2019	0.2941	-	-	-	-	-
2020	0.2710	-	-	-	-	-
2021	0.2587	-	-	-	-	-
2022	0.2312	-	-	-	-	-
2023	0.2010	-	-	-	-	-
2024	0.1826	-	-	-	-	-
2025	0.1752	-	-	-	-	-
2026	0.1752	-	-	-	-	-
2027	0.1752	-	-	-	-	-
2028	0.1752	-	-	-	-	-
2029	0.1752	-	-	-	-	-
2030	0.3730	-	-	-	-	-
2031	0.3730	-	-	-	-	-
2032	0.3730	-	-	-	-	-
2033	0.3730	-	-	-	-	-
2034	0.3730	-	-	-	-	-
2035	0.3010	-	-	-	0.3010	-
2036	0.3010	-	-	-	-	-
2037	0.3010	-	-	-	-	-
2038	0.3010	-	-	-	-	-
2039	0.3010	-	-	-	-	-
2040	0.2570	-	-	-	-	-
Off-Highway Tractors Total		-	-	-	0.3010	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.2651	-	-	-	-	5.0253	-	-	-	-
3.2642	-	-	-	-	4.7237	-	-	-	-
3.2781	-	-	-	-	4.5109	-	-	-	-
3.2589	-	-	-	-	4.0259	-	-	-	-
3.2191	-	-	-	-	3.4976	-	-	-	-
3.2190	-	-	-	-	3.2076	-	-	-	-
3.2151	-	-	-	-	2.8903	-	-	-	-
3.2195	-	-	-	-	2.6596	-	-	-	-
3.1859	-	-	-	-	2.2388	-	-	-	-
3.1433	-	-	-	-	1.7848	-	-	-	-
3.1328	-	-	-	-	1.4958	-	-	-	-
3.1425	-	-	-	-	1.3486	-	-	-	-
3.1425	-	-	-	-	1.3486	-	-	-	-
3.1425	-	-	-	-	1.3486	-	-	-	-
3.1425	-	-	-	-	1.3486	-	-	-	-
3.1425	-	-	-	-	1.3486	-	-	-	-
3.4350	-	-	-	-	1.9160	-	-	-	-
3.4350	-	-	-	-	1.9160	-	-	-	-
3.4350	-	-	-	-	1.9160	-	-	-	-
3.4350	-	-	-	-	1.9160	-	-	-	-
3.4350	-	-	-	-	1.9160	-	-	-	-
3.4210	-	-	3.4210	-	1.2520	-	-	1.2520	-
3.4210	-	-	-	-	1.2520	-	-	-	-
3.4210	-	-	-	-	1.2520	-	-	-	-
3.4210	-	-	-	-	1.2520	-	-	-	-
3.4210	-	-	-	-	1.2520	-	-	-	-
3.4120	-	-	-	-	0.8360	-	-	-	-
	-	-	3.4210	-		-	-	1.2520	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2577	-	-	-	-	0.2371	-	-	-	-
0.2393	-	-	-	-	0.2201	-	-	-	-
0.2290	-	-	-	-	0.2106	-	-	-	-
0.2049	-	-	-	-	0.1885	-	-	-	-
0.1756	-	-	-	-	0.1616	-	-	-	-
0.1586	-	-	-	-	0.1459	-	-	-	-
0.1402	-	-	-	-	0.1290	-	-	-	-
0.1286	-	-	-	-	0.1183	-	-	-	-
0.1073	-	-	-	-	0.0987	-	-	-	-
0.0854	-	-	-	-	0.0785	-	-	-	-
0.0715	-	-	-	-	0.0658	-	-	-	-
0.0647	-	-	-	-	0.0595	-	-	-	-
0.0647	-	-	-	-	0.0595	-	-	-	-
0.0647	-	-	-	-	0.0595	-	-	-	-
0.0647	-	-	-	-	0.0595	-	-	-	-
0.0647	-	-	-	-	0.0595	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.1040	-	-	-	-	0.1040	-	-	-	-
0.0650	-	-	0.0650	-	0.0650	-	-	0.0650	-
0.0650	-	-	-	-	0.0650	-	-	-	-
0.0650	-	-	-	-	0.0650	-	-	-	-
0.0650	-	-	-	-	0.0650	-	-	-	-
0.0650	-	-	-	-	0.0650	-	-	-	-
0.0410	-	-	-	-	0.0410	-	-	-	-
	-	-	0.0650	-		-	-	0.0650	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
518.1639	-	-	-	-	0.0049	-	-	-	-
512.6079	-	-	-	-	0.0049	-	-	-	-
507.6294	-	-	-	-	0.0049	-	-	-	-
499.2446	-	-	-	-	0.0049	-	-	-	-
491.3128	-	-	-	-	0.0049	-	-	-	-
483.4306	-	-	-	-	0.0049	-	-	-	-
472.9169	-	-	-	-	0.0049	-	-	-	-
472.9236	-	-	-	-	0.0049	-	-	-	-
472.8111	-	-	-	-	0.0049	-	-	-	-
472.9962	-	-	-	-	0.0049	-	-	-	-
473.0970	-	-	-	-	0.0049	-	-	-	-
473.3021	-	-	-	-	0.0049	-	-	-	-
473.3021	-	-	-	-	0.0049	-	-	-	-
473.3021	-	-	-	-	0.0049	-	-	-	-
473.3021	-	-	-	-	0.0049	-	-	-	-
473.3021	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.0330	-	-	-	-	0.0043	-	-	-	-
0.0330	-	-	-	-	0.0043	-	-	-	-
0.0330	-	-	-	-	0.0043	-	-	-	-
0.0330	-	-	-	-	0.0043	-	-	-	-
0.0330	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	0.0270	-	0.0043	-	-	0.0043	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0270	-		-	-	0.0043	-

Off-Highway Trucks			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.3934	-	-	-	-	-
2015	0.3845	-	-	-	-	-
2016	0.3514	-	-	-	-	-
2017	0.3253	-	-	-	-	-
2018	0.2870	-	-	-	-	-
2019	0.2635	-	-	-	-	-
2020	0.2461	-	-	-	-	-
2021	0.2249	-	-	-	-	-
2022	0.1961	-	-	-	-	-
2023	0.1870	-	-	-	-	-
2024	0.1845	-	-	-	-	-
2025	0.1773	-	-	-	-	-
2026	0.1773	-	-	-	-	-
2027	0.1773	-	-	-	-	-
2028	0.1773	-	-	-	-	-
2029	0.1773	-	-	-	-	-
2030	0.2160	-	-	-	-	-
2031	0.2160	-	-	-	-	-
2032	0.2160	-	-	-	-	-
2033	0.2160	-	-	-	-	-
2034	0.2160	-	-	-	-	-
2035	0.2080	-	-	-	0.2080	-
2036	0.2080	-	-	-	-	-
2037	0.2080	-	-	-	-	-
2038	0.2080	-	-	-	-	-
2039	0.2080	-	-	-	-	-
2040	0.2040	-	-	-	-	-
Off-Highway Trucks Total		-	-	-	0.2080	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2.0752	-	-	-	-	4.6858	-	-	-	-
2.0367	-	-	-	-	4.5279	-	-	-	-
1.8852	-	-	-	-	4.0480	-	-	-	-
1.7477	-	-	-	-	3.6684	-	-	-	-
1.5595	-	-	-	-	3.0900	-	-	-	-
1.4835	-	-	-	-	2.6685	-	-	-	-
1.4142	-	-	-	-	2.3468	-	-	-	-
1.3378	-	-	-	-	1.9536	-	-	-	-
1.2466	-	-	-	-	1.4898	-	-	-	-
1.2206	-	-	-	-	1.3243	-	-	-	-
1.2064	-	-	-	-	1.2352	-	-	-	-
1.1823	-	-	-	-	1.0638	-	-	-	-
1.1823	-	-	-	-	1.0638	-	-	-	-
1.1823	-	-	-	-	1.0638	-	-	-	-
1.1823	-	-	-	-	1.0638	-	-	-	-
1.1823	-	-	-	-	1.0638	-	-	-	-
1.1040	-	-	-	-	0.4580	-	-	-	-
1.1040	-	-	-	-	0.4580	-	-	-	-
1.1040	-	-	-	-	0.4580	-	-	-	-
1.1040	-	-	-	-	0.4580	-	-	-	-
1.1040	-	-	-	-	0.4580	-	-	-	-
1.1050	-	-	1.1050	-	0.3480	-	-	0.3480	-
1.1050	-	-	-	-	0.3480	-	-	-	-
1.1050	-	-	-	-	0.3480	-	-	-	-
1.1050	-	-	-	-	0.3480	-	-	-	-
1.1050	-	-	-	-	0.3480	-	-	-	-
1.1050	-	-	-	-	0.3050	-	-	-	-
	-	-	1.1050	-		-	-	0.3480	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1795	-	-	-	-	0.1652	-	-	-	-
0.1730	-	-	-	-	0.1591	-	-	-	-
0.1527	-	-	-	-	0.1405	-	-	-	-
0.1362	-	-	-	-	0.1253	-	-	-	-
0.1128	-	-	-	-	0.1038	-	-	-	-
0.0970	-	-	-	-	0.0893	-	-	-	-
0.0855	-	-	-	-	0.0787	-	-	-	-
0.0717	-	-	-	-	0.0659	-	-	-	-
0.0542	-	-	-	-	0.0498	-	-	-	-
0.0479	-	-	-	-	0.0441	-	-	-	-
0.0445	-	-	-	-	0.0409	-	-	-	-
0.0380	-	-	-	-	0.0350	-	-	-	-
0.0380	-	-	-	-	0.0350	-	-	-	-
0.0380	-	-	-	-	0.0350	-	-	-	-
0.0380	-	-	-	-	0.0350	-	-	-	-
0.0380	-	-	-	-	0.0350	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0130	-	-	0.0130	-	0.0130	-	-	0.0130	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0120	-	-	-	-	0.0120	-	-	-	-
	-	-	0.0130	-		-	-	0.0130	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
521.0573	-	-	-	-	0.0049	-	-	-	-
515.8419	-	-	-	-	0.0049	-	-	-	-
509.8604	-	-	-	-	0.0049	-	-	-	-
501.4368	-	-	-	-	0.0049	-	-	-	-
493.5059	-	-	-	-	0.0049	-	-	-	-
485.3832	-	-	-	-	0.0049	-	-	-	-
474.5787	-	-	-	-	0.0049	-	-	-	-
474.5420	-	-	-	-	0.0049	-	-	-	-
474.7136	-	-	-	-	0.0049	-	-	-	-
475.0488	-	-	-	-	0.0049	-	-	-	-
475.2203	-	-	-	-	0.0049	-	-	-	-
474.9697	-	-	-	-	0.0049	-	-	-	-
474.9697	-	-	-	-	0.0049	-	-	-	-
474.9697	-	-	-	-	0.0049	-	-	-	-
474.9697	-	-	-	-	0.0049	-	-	-	-
474.9697	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	568.2990	-	0.0050	-	-	0.0050	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	568.2990	-	0.0050	-	-	0.0050	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1540	-	-	-	-	0.0043	-	-	-	-
0.1540	-	-	-	-	0.0043	-	-	-	-
0.1538	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	0.0180	-	0.0043	-	-	0.0043	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0180	-		-	-	0.0043	-

Other Construction Equipment			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.5665	-	-	-	-	-
2015	0.5571	-	-	-	-	-
2016	0.5244	-	-	-	-	-
2017	0.5004	-	-	-	-	-
2018	0.4364	-	-	-	-	-
2019	0.4121	-	-	-	-	-
2020	0.3877	-	-	-	-	-
2021	0.3295	-	-	-	-	-
2022	0.2951	-	-	-	-	-
2023	0.2735	-	-	-	-	-
2024	0.2605	-	-	-	-	-
2025	0.2347	-	-	-	-	-
2026	0.2347	-	-	-	-	-
2027	0.2347	-	-	-	-	-
2028	0.2347	-	-	-	-	-
2029	0.2347	-	-	-	-	-
2030	0.1610	-	-	-	-	-
2031	0.1610	-	-	-	-	-
2032	0.1610	-	-	-	-	-
2033	0.1610	-	-	-	-	-
2034	0.1610	-	-	-	-	-
2035	0.1500	-	-	-	0.1500	-
2036	0.1500	-	-	-	-	-
2037	0.1500	-	-	-	-	-
2038	0.1500	-	-	-	-	-
2039	0.1500	-	-	-	-	-
2040	0.1450	-	-	-	-	-
Other Construction Equipment Total			-	-	0.1500	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.3852	-	-	-	-	6.3719	-	-	-	-
3.3818	-	-	-	-	6.2305	-	-	-	-
3.3567	-	-	-	-	5.8176	-	-	-	-
3.3377	-	-	-	-	5.4942	-	-	-	-
3.2635	-	-	-	-	4.7550	-	-	-	-
3.2562	-	-	-	-	4.4331	-	-	-	-
3.2353	-	-	-	-	4.1120	-	-	-	-
3.1828	-	-	-	-	3.4385	-	-	-	-
3.1554	-	-	-	-	2.9944	-	-	-	-
3.1415	-	-	-	-	2.6982	-	-	-	-
3.1495	-	-	-	-	2.5202	-	-	-	-
3.1365	-	-	-	-	2.1674	-	-	-	-
3.1365	-	-	-	-	2.1674	-	-	-	-
3.1365	-	-	-	-	2.1674	-	-	-	-
3.1365	-	-	-	-	2.1674	-	-	-	-
3.1365	-	-	-	-	2.1674	-	-	-	-
3.1270	-	-	-	-	0.4590	-	-	-	-
3.1270	-	-	-	-	0.4590	-	-	-	-
3.1270	-	-	-	-	0.4590	-	-	-	-
3.1270	-	-	-	-	0.4590	-	-	-	-
3.1270	-	-	-	-	0.4590	-	-	-	-
3.1280	-	-	3.1280	-	0.3340	-	-	0.3340	-
3.1280	-	-	-	-	0.3340	-	-	-	-
3.1280	-	-	-	-	0.3340	-	-	-	-
3.1280	-	-	-	-	0.3340	-	-	-	-
3.1280	-	-	-	-	0.3340	-	-	-	-
3.1280	-	-	-	-	0.2900	-	-	-	-
3.1280	-	-	3.1280	-	-	-	-	0.3340	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3332	-	-	-	-	0.3065	-	-	-	-
0.3264	-	-	-	-	0.3003	-	-	-	-
0.3059	-	-	-	-	0.2815	-	-	-	-
0.2903	-	-	-	-	0.2671	-	-	-	-
0.2502	-	-	-	-	0.2302	-	-	-	-
0.2335	-	-	-	-	0.2148	-	-	-	-
0.2170	-	-	-	-	0.1996	-	-	-	-
0.1798	-	-	-	-	0.1654	-	-	-	-
0.1562	-	-	-	-	0.1437	-	-	-	-
0.1405	-	-	-	-	0.1292	-	-	-	-
0.1300	-	-	-	-	0.1196	-	-	-	-
0.1121	-	-	-	-	0.1031	-	-	-	-
0.1121	-	-	-	-	0.1031	-	-	-	-
0.1121	-	-	-	-	0.1031	-	-	-	-
0.1121	-	-	-	-	0.1031	-	-	-	-
0.1121	-	-	-	-	0.1031	-	-	-	-
0.0190	-	-	-	-	0.0190	-	-	-	-
0.0190	-	-	-	-	0.0190	-	-	-	-
0.0190	-	-	-	-	0.0190	-	-	-	-
0.0190	-	-	-	-	0.0190	-	-	-	-
0.0190	-	-	-	-	0.0190	-	-	-	-
0.0130	-	-	0.0130	-	0.0130	-	-	0.0130	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
0.0110	-	-	-	-	0.0110	-	-	-	-
	-	-	0.0130	-		-	-	0.0130	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
514.5518	-	-	-	-	0.0048	-	-	-	-
509.3069	-	-	-	-	0.0048	-	-	-	-
503.9641	-	-	-	-	0.0048	-	-	-	-
495.9311	-	-	-	-	0.0048	-	-	-	-
487.9859	-	-	-	-	0.0048	-	-	-	-
480.4518	-	-	-	-	0.0049	-	-	-	-
469.9837	-	-	-	-	0.0049	-	-	-	-
469.7642	-	-	-	-	0.0048	-	-	-	-
469.6126	-	-	-	-	0.0048	-	-	-	-
469.5579	-	-	-	-	0.0048	-	-	-	-
469.5445	-	-	-	-	0.0048	-	-	-	-
469.8430	-	-	-	-	0.0049	-	-	-	-
469.8430	-	-	-	-	0.0049	-	-	-	-
469.8430	-	-	-	-	0.0049	-	-	-	-
469.8430	-	-	-	-	0.0049	-	-	-	-
469.8430	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	0.0130	-	0.0043	-	-	0.0043	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0130	-		-	-	0.0043	-

Other General Industrial Equipment			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.7887	-	-	-	-	-
2015	0.7607	-	-	-	-	-
2016	0.7155	-	-	-	-	-
2017	0.6600	-	-	-	-	-
2018	0.5573	-	-	-	-	-
2019	0.4997	-	-	-	-	-
2020	0.4460	-	-	-	-	-
2021	0.4037	-	-	-	-	-
2022	0.3387	-	-	-	-	-
2023	0.3076	-	-	-	-	-
2024	0.2872	-	-	-	-	-
2025	0.2575	-	-	-	-	-
2026	0.2575	-	-	-	-	-
2027	0.2575	-	-	-	-	-
2028	0.2575	-	-	-	-	-
2029	0.2575	-	-	-	-	-
2030	0.3090	-	-	-	-	-
2031	0.3090	-	-	-	-	-
2032	0.3090	-	-	-	-	-
2033	0.3090	-	-	-	-	-
2034	0.3090	-	-	-	-	-
2035	0.2820	-	-	-	0.2820	-
2036	0.2820	-	-	-	-	-
2037	0.2820	-	-	-	-	-
2038	0.2820	-	-	-	-	-
2039	0.2820	-	-	-	-	-
2040	0.2770	-	-	-	-	-
Other General Industrial Equipment Total			-	-	0.2820	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.0901	-	-	-	-	6.7228	-	-	-	-
4.0811	-	-	-	-	6.5016	-	-	-	-
4.0454	-	-	-	-	6.1441	-	-	-	-
3.9981	-	-	-	-	5.7214	-	-	-	-
3.8763	-	-	-	-	4.9546	-	-	-	-
3.8213	-	-	-	-	4.4967	-	-	-	-
3.7707	-	-	-	-	4.0608	-	-	-	-
3.7403	-	-	-	-	3.7177	-	-	-	-
3.6682	-	-	-	-	3.1997	-	-	-	-
3.6470	-	-	-	-	2.9239	-	-	-	-
3.6393	-	-	-	-	2.7078	-	-	-	-
3.6120	-	-	-	-	2.4389	-	-	-	-
3.6120	-	-	-	-	2.4389	-	-	-	-
3.6120	-	-	-	-	2.4389	-	-	-	-
3.6120	-	-	-	-	2.4389	-	-	-	-
3.6120	-	-	-	-	2.4389	-	-	-	-
3.8020	-	-	-	-	1.7660	-	-	-	-
3.8020	-	-	-	-	1.7660	-	-	-	-
3.8020	-	-	-	-	1.7660	-	-	-	-
3.8020	-	-	-	-	1.7660	-	-	-	-
3.8020	-	-	-	-	1.7660	-	-	-	-
3.7940	-	-	3.7940	-	1.5670	-	-	1.5670	-
3.7940	-	-	-	-	1.5670	-	-	-	-
3.7940	-	-	-	-	1.5670	-	-	-	-
3.7940	-	-	-	-	1.5670	-	-	-	-
3.7940	-	-	-	-	1.5670	-	-	-	-
3.7940	-	-	-	-	1.5060	-	-	-	-
	-	-	3.7940	-		-	-	1.5670	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5739	-	-	-	-	0.5280	-	-	-	-
0.5528	-	-	-	-	0.5086	-	-	-	-
0.5178	-	-	-	-	0.4764	-	-	-	-
0.4705	-	-	-	-	0.4328	-	-	-	-
0.3917	-	-	-	-	0.3604	-	-	-	-
0.3429	-	-	-	-	0.3155	-	-	-	-
0.2959	-	-	-	-	0.2722	-	-	-	-
0.2559	-	-	-	-	0.2354	-	-	-	-
0.1991	-	-	-	-	0.1831	-	-	-	-
0.1685	-	-	-	-	0.1550	-	-	-	-
0.1459	-	-	-	-	0.1342	-	-	-	-
0.1181	-	-	-	-	0.1086	-	-	-	-
0.1181	-	-	-	-	0.1086	-	-	-	-
0.1181	-	-	-	-	0.1086	-	-	-	-
0.1181	-	-	-	-	0.1086	-	-	-	-
0.1181	-	-	-	-	0.1086	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0220	-	-	0.0220	-	0.0220	-	-	0.0220	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0220	-		-	-	0.0220	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
514.3886	-	-	-	-	0.0048	-	-	-	-
509.1664	-	-	-	-	0.0048	-	-	-	-
503.9442	-	-	-	-	0.0048	-	-	-	-
496.1109	-	-	-	-	0.0048	-	-	-	-
488.2775	-	-	-	-	0.0048	-	-	-	-
480.4442	-	-	-	-	0.0048	-	-	-	-
469.9998	-	-	-	-	0.0048	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
469.9998	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	568.3000	-	0.0060	-	-	0.0060	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
	-	-	568.3000	-		-	-	0.0060	-

CH4	Weighted	Weighted	Weighted	Weighted	N2O	Weighted	Weighted	Weighted	Weighted
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- Paving
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	0.0250	-	0.0043	-	-	0.0043	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0250	-		-	-	0.0043	-

Other Material Handling Equipment			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.5283	-	-	-	-	-
2015	0.5251	-	-	-	-	-
2016	0.4888	-	-	-	-	-
2017	0.4269	-	-	-	-	-
2018	0.3265	-	-	-	-	-
2019	0.2796	-	-	-	-	-
2020	0.2520	-	-	-	-	-
2021	0.2488	-	-	-	-	-
2022	0.2256	-	-	-	-	-
2023	0.2169	-	-	-	-	-
2024	0.2083	-	-	-	-	-
2025	0.1892	-	-	-	-	-
2026	0.1892	-	-	-	-	-
2027	0.1892	-	-	-	-	-
2028	0.1892	-	-	-	-	-
2029	0.1892	-	-	-	-	-
2030	0.2200	-	-	-	-	-
2031	0.2200	-	-	-	-	-
2032	0.2200	-	-	-	-	-
2033	0.2200	-	-	-	-	-
2034	0.2200	-	-	-	-	-
2035	0.1960	-	-	-	0.1960	-
2036	0.1960	-	-	-	-	-
2037	0.1960	-	-	-	-	-
2038	0.1960	-	-	-	-	-
2039	0.1960	-	-	-	-	-
2040	0.1880	-	-	-	-	-
Other Material Handling Equipment Total			-	-	0.1960	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.4306	-	-	-	-	5.7976	-	-	-	-
3.4330	-	-	-	-	5.6445	-	-	-	-
3.4182	-	-	-	-	5.2115	-	-	-	-
3.3512	-	-	-	-	4.4881	-	-	-	-
3.2180	-	-	-	-	3.3323	-	-	-	-
3.1852	-	-	-	-	2.7737	-	-	-	-
3.1709	-	-	-	-	2.3665	-	-	-	-
3.1964	-	-	-	-	2.2463	-	-	-	-
3.1761	-	-	-	-	1.8938	-	-	-	-
3.1707	-	-	-	-	1.7690	-	-	-	-
3.1811	-	-	-	-	1.6386	-	-	-	-
3.1679	-	-	-	-	1.3958	-	-	-	-
3.1679	-	-	-	-	1.3958	-	-	-	-
3.1679	-	-	-	-	1.3958	-	-	-	-
3.1679	-	-	-	-	1.3958	-	-	-	-
3.1679	-	-	-	-	1.3958	-	-	-	-
3.3410	-	-	-	-	0.6400	-	-	-	-
3.3410	-	-	-	-	0.6400	-	-	-	-
3.3410	-	-	-	-	0.6400	-	-	-	-
3.3410	-	-	-	-	0.6400	-	-	-	-
3.3410	-	-	-	-	0.6400	-	-	-	-
3.3380	-	-	3.3380	-	0.3980	-	-	0.3980	-
3.3380	-	-	-	-	0.3980	-	-	-	-
3.3380	-	-	-	-	0.3980	-	-	-	-
3.3380	-	-	-	-	0.3980	-	-	-	-
3.3380	-	-	-	-	0.3980	-	-	-	-
3.3390	-	-	-	-	0.3140	-	-	-	-
	-	-	3.3380	-		-	-	0.3980	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3128	-	-	-	-	0.2877	-	-	-	-
0.3060	-	-	-	-	0.2815	-	-	-	-
0.2795	-	-	-	-	0.2571	-	-	-	-
0.2379	-	-	-	-	0.2189	-	-	-	-
0.1725	-	-	-	-	0.1587	-	-	-	-
0.1388	-	-	-	-	0.1277	-	-	-	-
0.1181	-	-	-	-	0.1086	-	-	-	-
0.1138	-	-	-	-	0.1047	-	-	-	-
0.1028	-	-	-	-	0.0945	-	-	-	-
0.0959	-	-	-	-	0.0882	-	-	-	-
0.0880	-	-	-	-	0.0809	-	-	-	-
0.0724	-	-	-	-	0.0666	-	-	-	-
0.0724	-	-	-	-	0.0666	-	-	-	-
0.0724	-	-	-	-	0.0666	-	-	-	-
0.0724	-	-	-	-	0.0666	-	-	-	-
0.0724	-	-	-	-	0.0666	-	-	-	-
0.0280	-	-	-	-	0.0280	-	-	-	-
0.0280	-	-	-	-	0.0280	-	-	-	-
0.0280	-	-	-	-	0.0280	-	-	-	-
0.0280	-	-	-	-	0.0280	-	-	-	-
0.0280	-	-	-	-	0.0280	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0120	-	-	-	-	0.0120	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
516.8178	-	-	-	-	0.0049	-	-	-	-
511.5709	-	-	-	-	0.0049	-	-	-	-
506.3240	-	-	-	-	0.0049	-	-	-	-
498.4537	-	-	-	-	0.0049	-	-	-	-
490.5834	-	-	-	-	0.0049	-	-	-	-
482.7131	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
472.2193	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted	Weighted	Weighted	Weighted	N2O	Weighted	Weighted	Weighted	Weighted
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- Paving
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	0.0170	-	0.0043	-	-	0.0043	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0170	-		-	-	0.0043	-

Pavers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.5024	-	-	-	-
	2015	0.4894	-	-	-	-
	2016	0.4332	-	-	-	-
	2017	0.3889	-	-	-	-
	2018	0.3387	-	-	-	-
	2019	0.2988	-	-	-	-
	2020	0.2728	-	-	-	-
	2021	0.2557	-	-	-	-
	2022	0.2148	-	-	-	-
	2023	0.1993	-	-	-	-
	2024	0.1907	-	-	-	-
	2025	0.1805	-	-	-	-
	2026	0.1805	-	-	-	-
	2027	0.1805	-	-	-	-
	2028	0.1805	-	-	-	-
	2029	0.1805	-	-	-	-
	2030	0.3000	-	-	-	-
	2031	0.3000	-	-	-	-
	2032	0.3000	-	-	-	-
	2033	0.3000	-	-	-	-
	2034	0.3000	-	-	-	-
	2035	0.2440	-	-	0.2440	-
	2036	0.2440	-	-	-	-
	2037	0.2440	-	-	-	-
	2038	0.2440	-	-	-	-
	2039	0.2440	-	-	-	-
	2040	0.2130	-	-	-	-
Pavers Total			-	-	0.2440	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.1146	-	-	-	-	5.7363	-	-	-	-
3.1155	-	-	-	-	5.5367	-	-	-	-
3.0802	-	-	-	-	4.8740	-	-	-	-
3.0628	-	-	-	-	4.3531	-	-	-	-
3.0391	-	-	-	-	3.7472	-	-	-	-
3.0132	-	-	-	-	3.2447	-	-	-	-
3.0097	-	-	-	-	2.9183	-	-	-	-
3.0165	-	-	-	-	2.6948	-	-	-	-
2.9948	-	-	-	-	2.1796	-	-	-	-
2.9940	-	-	-	-	1.9552	-	-	-	-
3.0042	-	-	-	-	1.8088	-	-	-	-
3.0071	-	-	-	-	1.6440	-	-	-	-
3.0071	-	-	-	-	1.6440	-	-	-	-
3.0071	-	-	-	-	1.6440	-	-	-	-
3.0071	-	-	-	-	1.6440	-	-	-	-
3.0071	-	-	-	-	1.6440	-	-	-	-
3.3260	-	-	-	-	1.4250	-	-	-	-
3.3260	-	-	-	-	1.4250	-	-	-	-
3.3260	-	-	-	-	1.4250	-	-	-	-
3.3260	-	-	-	-	1.4250	-	-	-	-
3.3260	-	-	-	-	1.4250	-	-	-	-
3.3190	-	-	3.3190	-	0.8890	-	-	0.8890	-
3.3190	-	-	-	-	0.8890	-	-	-	-
3.3190	-	-	-	-	0.8890	-	-	-	-
3.3190	-	-	-	-	0.8890	-	-	-	-
3.3190	-	-	-	-	0.8890	-	-	-	-
3.3190	-	-	-	-	0.5830	-	-	-	-
	-	-	3.3190	-		-	-	0.8890	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2869	-	-	-	-	0.2639	-	-	-	-
0.2774	-	-	-	-	0.2552	-	-	-	-
0.2422	-	-	-	-	0.2228	-	-	-	-
0.2142	-	-	-	-	0.1971	-	-	-	-
0.1831	-	-	-	-	0.1684	-	-	-	-
0.1589	-	-	-	-	0.1462	-	-	-	-
0.1419	-	-	-	-	0.1305	-	-	-	-
0.1302	-	-	-	-	0.1198	-	-	-	-
0.1036	-	-	-	-	0.0953	-	-	-	-
0.0920	-	-	-	-	0.0846	-	-	-	-
0.0845	-	-	-	-	0.0777	-	-	-	-
0.0770	-	-	-	-	0.0708	-	-	-	-
0.0770	-	-	-	-	0.0708	-	-	-	-
0.0770	-	-	-	-	0.0708	-	-	-	-
0.0770	-	-	-	-	0.0708	-	-	-	-
0.0770	-	-	-	-	0.0708	-	-	-	-
0.0740	-	-	-	-	0.0740	-	-	-	-
0.0740	-	-	-	-	0.0740	-	-	-	-
0.0740	-	-	-	-	0.0740	-	-	-	-
0.0740	-	-	-	-	0.0740	-	-	-	-
0.0740	-	-	-	-	0.0740	-	-	-	-
0.0740	-	-	-	-	0.0740	-	-	-	-
0.0430	-	-	0.0430	-	0.0430	-	-	0.0430	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0430	-	-	-	-	0.0430	-	-	-	-
0.0270	-	-	-	-	0.0270	-	-	-	-
	-	-	0.0430	-		-	-	0.0430	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
516.7450	-	-	-	-	0.0049	-	-	-	-
511.6457	-	-	-	-	0.0049	-	-	-	-
506.5401	-	-	-	-	0.0049	-	-	-	-
498.9670	-	-	-	-	0.0049	-	-	-	-
491.3220	-	-	-	-	0.0049	-	-	-	-
483.3938	-	-	-	-	0.0049	-	-	-	-
472.7746	-	-	-	-	0.0049	-	-	-	-
472.5552	-	-	-	-	0.0049	-	-	-	-
472.7599	-	-	-	-	0.0049	-	-	-	-
472.7178	-	-	-	-	0.0049	-	-	-	-
472.6605	-	-	-	-	0.0049	-	-	-	-
472.4850	-	-	-	-	0.0049	-	-	-	-
472.4850	-	-	-	-	0.0049	-	-	-	-
472.4850	-	-	-	-	0.0049	-	-	-	-
472.4850	-	-	-	-	0.0049	-	-	-	-
472.4850	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	0.0220	-	0.0043	-	-	0.0043	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0220	-		-	-	0.0043	-

Paving Equipment	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.4151	-	-	-	-
	2015	0.4108	-	-	-	-
	2016	0.3718	-	-	-	-
	2017	0.3425	-	-	-	-
	2018	0.2837	-	-	-	-
	2019	0.2541	-	-	-	-
	2020	0.2475	-	-	-	-
	2021	0.2291	-	-	-	-
	2022	0.2127	-	-	-	-
	2023	0.2037	-	-	-	-
	2024	0.1966	-	-	-	-
	2025	0.1752	-	-	-	-
	2026	0.1752	-	-	-	-
	2027	0.1752	-	-	-	-
	2028	0.1752	-	-	-	-
	2029	0.1752	-	-	-	-
	2030	0.2900	-	-	-	-
	2031	0.2900	-	-	-	-
	2032	0.2900	-	-	-	-
	2033	0.2900	-	-	-	-
	2034	0.2900	-	-	-	-
	2035	0.2350	-	-	0.2350	-
	2036	0.2350	-	-	-	-
	2037	0.2350	-	-	-	-
	2038	0.2350	-	-	-	-
	2039	0.2350	-	-	-	-
	2040	0.2050	-	-	-	-
Paving Equipment Total			-	-	0.2350	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.0969	-	-	-	-	5.2157	-	-	-	-
3.1040	-	-	-	-	4.9656	-	-	-	-
3.0811	-	-	-	-	4.3217	-	-	-	-
3.0732	-	-	-	-	3.8963	-	-	-	-
3.0260	-	-	-	-	3.1721	-	-	-	-
3.0109	-	-	-	-	2.6924	-	-	-	-
3.0239	-	-	-	-	2.5550	-	-	-	-
3.0323	-	-	-	-	2.3151	-	-	-	-
3.0378	-	-	-	-	2.0733	-	-	-	-
3.0506	-	-	-	-	1.9126	-	-	-	-
3.0662	-	-	-	-	1.7851	-	-	-	-
3.0384	-	-	-	-	1.5090	-	-	-	-
3.0384	-	-	-	-	1.5090	-	-	-	-
3.0384	-	-	-	-	1.5090	-	-	-	-
3.0384	-	-	-	-	1.5090	-	-	-	-
3.0384	-	-	-	-	1.5090	-	-	-	-
3.3060	-	-	-	-	1.3630	-	-	-	-
3.3060	-	-	-	-	1.3630	-	-	-	-
3.3060	-	-	-	-	1.3630	-	-	-	-
3.3060	-	-	-	-	1.3630	-	-	-	-
3.3060	-	-	-	-	1.3630	-	-	-	-
3.3030	-	-	3.3030	-	0.8320	-	-	0.8320	-
3.3030	-	-	-	-	0.8320	-	-	-	-
3.3030	-	-	-	-	0.8320	-	-	-	-
3.3030	-	-	-	-	0.8320	-	-	-	-
3.3030	-	-	-	-	0.8320	-	-	-	-
3.3040	-	-	-	-	0.5360	-	-	-	-
	-	-	3.3030	-		-	-	0.8320	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2488	-	-	-	-	0.2289	-	-	-	-
0.2423	-	-	-	-	0.2229	-	-	-	-
0.2145	-	-	-	-	0.1973	-	-	-	-
0.1946	-	-	-	-	0.1791	-	-	-	-
0.1553	-	-	-	-	0.1429	-	-	-	-
0.1336	-	-	-	-	0.1229	-	-	-	-
0.1278	-	-	-	-	0.1176	-	-	-	-
0.1143	-	-	-	-	0.1052	-	-	-	-
0.1011	-	-	-	-	0.0930	-	-	-	-
0.0930	-	-	-	-	0.0856	-	-	-	-
0.0862	-	-	-	-	0.0793	-	-	-	-
0.0746	-	-	-	-	0.0687	-	-	-	-
0.0746	-	-	-	-	0.0687	-	-	-	-
0.0746	-	-	-	-	0.0687	-	-	-	-
0.0746	-	-	-	-	0.0687	-	-	-	-
0.0700	-	-	-	-	0.0700	-	-	-	-
0.0700	-	-	-	-	0.0700	-	-	-	-
0.0700	-	-	-	-	0.0700	-	-	-	-
0.0700	-	-	-	-	0.0700	-	-	-	-
0.0700	-	-	-	-	0.0700	-	-	-	-
0.0400	-	-	0.0400	-	0.0400	-	-	0.0400	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
	-	-	0.0400	-		-	-	0.0400	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
515.0343	-	-	-	-	0.0049	-	-	-	-
509.8942	-	-	-	-	0.0049	-	-	-	-
504.8201	-	-	-	-	0.0049	-	-	-	-
497.1480	-	-	-	-	0.0049	-	-	-	-
489.2024	-	-	-	-	0.0049	-	-	-	-
481.2251	-	-	-	-	0.0049	-	-	-	-
470.7359	-	-	-	-	0.0049	-	-	-	-
470.6495	-	-	-	-	0.0049	-	-	-	-
470.6646	-	-	-	-	0.0049	-	-	-	-
470.6630	-	-	-	-	0.0049	-	-	-	-
470.6614	-	-	-	-	0.0049	-	-	-	-
470.4844	-	-	-	-	0.0049	-	-	-	-
470.4844	-	-	-	-	0.0049	-	-	-	-
470.4844	-	-	-	-	0.0049	-	-	-	-
470.4844	-	-	-	-	0.0049	-	-	-	-
470.4844	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1523	-	-	-	-	0.0043	-	-	-	-
0.1523	-	-	-	-	0.0043	-	-	-	-
0.1523	-	-	-	-	0.0043	-	-	-	-
0.1523	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	0.0210	-	0.0043	-	-	0.0043	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0210	-		-	-	0.0043	-

Plate Compactors			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.6610	-	-	-	-
	2015	0.6610	-	-	-	-
	2016	0.6610	-	-	-	-
	2017	0.6610	-	-	-	-
	2018	0.6610	-	-	-	-
	2019	0.6610	-	-	-	-
	2020	0.6610	-	-	-	-
	2021	0.6610	-	-	-	-
	2022	0.6610	-	-	-	-
	2023	0.6610	-	-	-	-
	2024	0.6610	-	-	-	-
	2025	0.6610	-	-	-	-
	2026	0.6610	-	-	-	-
	2027	0.6610	-	-	-	-
	2028	0.6610	-	-	-	-
	2029	0.6610	-	-	-	-
	2030	0.6610	-	-	-	-
	2031	0.6610	-	-	-	-
	2032	0.6610	-	-	-	-
	2033	0.6610	-	-	-	-
	2034	0.6610	-	-	-	-
	2035	0.6610	-	-	0.6610	-
	2036	0.6610	-	-	-	-
	2037	0.6610	-	-	-	-
	2038	0.6610	-	-	-	-
	2039	0.6610	-	-	-	-
	2040	0.6610	-	-	-	-
Plate Compactors Total			-	-	0.6610	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	3.4700	-	4.1420	-	-	4.1420	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
	-	-	3.4700	-		-	-	4.1420	-

[illegible]

[illegible]

[illegible]

Pressure Washers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.7830	-	-	-	-
	2015	0.7470	-	-	-	-
	2016	0.7200	-	-	-	-
	2017	0.6990	-	-	-	-
	2018	0.6790	-	-	-	-
	2019	0.6620	-	-	-	-
	2020	0.6460	-	-	-	-
	2021	0.6340	-	-	-	-
	2022	0.6260	-	-	-	-
	2023	0.6180	-	-	-	-
	2024	0.6120	-	-	-	-
	2025	0.6070	-	-	-	-
	2026	0.6070	-	-	-	-
	2027	0.6070	-	-	-	-
	2028	0.6070	-	-	-	-
	2029	0.6070	-	-	-	-
	2030	0.5920	-	-	-	-
	2031	0.5920	-	-	-	-
	2032	0.5920	-	-	-	-
	2033	0.5920	-	-	-	-
	2034	0.5920	-	-	-	-
	2035	0.5890	-	-	0.5890	-
	2036	0.5890	-	-	-	-
	2037	0.5890	-	-	-	-
	2038	0.5890	-	-	-	-
	2039	0.5890	-	-	-	-
	2040	0.5890	-	-	-	-
Pressure Washers Total			-	-	0.5890	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.7230	-	-	-	-	5.3690	-	-	-	-
3.6570	-	-	-	-	5.1410	-	-	-	-
3.6220	-	-	-	-	4.9780	-	-	-	-
3.5990	-	-	-	-	4.8470	-	-	-	-
3.5800	-	-	-	-	4.7280	-	-	-	-
3.5620	-	-	-	-	4.6170	-	-	-	-
3.5460	-	-	-	-	4.5160	-	-	-	-
3.5310	-	-	-	-	4.4410	-	-	-	-
3.5190	-	-	-	-	4.3900	-	-	-	-
3.5080	-	-	-	-	4.3450	-	-	-	-
3.4990	-	-	-	-	4.3050	-	-	-	-
3.4910	-	-	-	-	4.2690	-	-	-	-
3.4910	-	-	-	-	4.2690	-	-	-	-
3.4910	-	-	-	-	4.2690	-	-	-	-
3.4910	-	-	-	-	4.2690	-	-	-	-
3.4910	-	-	-	-	4.2690	-	-	-	-
3.4700	-	-	-	-	4.1640	-	-	-	-
3.4700	-	-	-	-	4.1640	-	-	-	-
3.4700	-	-	-	-	4.1640	-	-	-	-
3.4700	-	-	-	-	4.1640	-	-	-	-
3.4700	-	-	-	-	4.1640	-	-	-	-
3.4700	-	-	3.4700	-	4.1430	-	-	4.1430	-
3.4700	-	-	-	-	4.1430	-	-	-	-
3.4700	-	-	-	-	4.1430	-	-	-	-
3.4700	-	-	-	-	4.1430	-	-	-	-
3.4700	-	-	-	-	4.1430	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
	-	-	3.4700	-		-	-	4.1430	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2980	-	-	-	-	0.2980	-	-	-	-
0.2800	-	-	-	-	0.2800	-	-	-	-
0.2640	-	-	-	-	0.2640	-	-	-	-
0.2500	-	-	-	-	0.2500	-	-	-	-
0.2370	-	-	-	-	0.2370	-	-	-	-
0.2240	-	-	-	-	0.2240	-	-	-	-
0.2120	-	-	-	-	0.2120	-	-	-	-
0.2010	-	-	-	-	0.2010	-	-	-	-
0.1930	-	-	-	-	0.1930	-	-	-	-
0.1860	-	-	-	-	0.1860	-	-	-	-
0.1810	-	-	-	-	0.1810	-	-	-	-
0.1780	-	-	-	-	0.1780	-	-	-	-
0.1780	-	-	-	-	0.1780	-	-	-	-
0.1780	-	-	-	-	0.1780	-	-	-	-
0.1780	-	-	-	-	0.1780	-	-	-	-
0.1780	-	-	-	-	0.1780	-	-	-	-
0.1660	-	-	-	-	0.1660	-	-	-	-
0.1660	-	-	-	-	0.1660	-	-	-	-
0.1660	-	-	-	-	0.1660	-	-	-	-
0.1660	-	-	-	-	0.1660	-	-	-	-
0.1660	-	-	-	-	0.1660	-	-	-	-
0.1620	-	-	0.1620	-	0.1620	-	-	0.1620	-
0.1620	-	-	-	-	0.1620	-	-	-	-
0.1620	-	-	-	-	0.1620	-	-	-	-
0.1620	-	-	-	-	0.1620	-	-	-	-
0.1620	-	-	-	-	0.1620	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
	-	-	0.1620	-		-	-	0.1620	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	568.3000	-	0.0080	-	-	0.0080	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
	-	-	568.3000	-		-	-	0.0080	-

CH4	Weighted	Weighted	Weighted	Weighted	N2O	Weighted	Weighted	Weighted	Weighted
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- Paving
0.0700	-	-	-	-	0.0048	-	-	-	-
0.0670	-	-	-	-	0.0048	-	-	-	-
0.0650	-	-	-	-	0.0048	-	-	-	-
0.0630	-	-	-	-	0.0048	-	-	-	-
0.0610	-	-	-	-	0.0048	-	-	-	-
0.0590	-	-	-	-	0.0048	-	-	-	-
0.0580	-	-	-	-	0.0048	-	-	-	-
0.0570	-	-	-	-	0.0048	-	-	-	-
0.0560	-	-	-	-	0.0048	-	-	-	-
0.0550	-	-	-	-	0.0048	-	-	-	-
0.0550	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	0.0530	-	0.0048	-	-	0.0048	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	-	-	0.0048	-	-	-	-
0.0530	-	-	0.0530	-	0.0048	-	-	0.0048	-

Pumps			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.7510	-	-	-	-
	2015	0.6790	-	-	-	-
	2016	0.6100	-	-	-	-
	2017	0.5460	-	-	-	-
	2018	0.4850	-	-	-	-
	2019	0.4290	-	-	-	-
	2020	0.3860	-	-	-	-
	2021	0.3470	-	-	-	-
	2022	0.3210	-	-	-	-
	2023	0.2990	-	-	-	-
	2024	0.2790	-	-	-	-
	2025	0.2610	-	-	-	-
	2026	0.2610	-	-	-	-
	2027	0.2610	-	-	-	-
	2028	0.2610	-	-	-	-
	2029	0.2610	-	-	-	-
	2030	0.1930	-	-	-	-
	2031	0.1930	-	-	-	-
	2032	0.1930	-	-	-	-
	2033	0.1930	-	-	-	-
	2034	0.1930	-	-	-	-
	2035	0.1700	-	-	0.1700	-
	2036	0.1700	-	-	-	-
	2037	0.1700	-	-	-	-
	2038	0.1700	-	-	-	-
	2039	0.1700	-	-	-	-
	2040	0.1650	-	-	-	-
Pumps Total			-	-	0.1700	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.5870	-	-	-	-	5.2260	-	-	-	-
3.5540	-	-	-	-	4.8420	-	-	-	-
3.5230	-	-	-	-	4.4780	-	-	-	-
3.4950	-	-	-	-	4.1340	-	-	-	-
3.4710	-	-	-	-	3.8080	-	-	-	-
3.4490	-	-	-	-	3.4970	-	-	-	-
3.4320	-	-	-	-	3.2190	-	-	-	-
3.4120	-	-	-	-	2.9280	-	-	-	-
3.4040	-	-	-	-	2.7080	-	-	-	-
3.3980	-	-	-	-	2.5110	-	-	-	-
3.3930	-	-	-	-	2.3520	-	-	-	-
3.3890	-	-	-	-	2.2130	-	-	-	-
3.3890	-	-	-	-	2.2130	-	-	-	-
3.3890	-	-	-	-	2.2130	-	-	-	-
3.3890	-	-	-	-	2.2130	-	-	-	-
3.3890	-	-	-	-	2.2130	-	-	-	-
3.3670	-	-	-	-	1.6620	-	-	-	-
3.3670	-	-	-	-	1.6620	-	-	-	-
3.3670	-	-	-	-	1.6620	-	-	-	-
3.3670	-	-	-	-	1.6620	-	-	-	-
3.3670	-	-	-	-	1.6620	-	-	-	-
3.3600	-	-	3.3600	-	1.4700	-	-	1.4700	-
3.3600	-	-	-	-	1.4700	-	-	-	-
3.3600	-	-	-	-	1.4700	-	-	-	-
3.3600	-	-	-	-	1.4700	-	-	-	-
3.3600	-	-	-	-	1.4700	-	-	-	-
3.3580	-	-	-	-	1.4100	-	-	-	-
	-	-	3.3600	-		-	-	1.4700	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4030	-	-	-	-	0.4030	-	-	-	-
0.3640	-	-	-	-	0.3640	-	-	-	-
0.3250	-	-	-	-	0.3250	-	-	-	-
0.2870	-	-	-	-	0.2870	-	-	-	-
0.2520	-	-	-	-	0.2520	-	-	-	-
0.2170	-	-	-	-	0.2170	-	-	-	-
0.1890	-	-	-	-	0.1890	-	-	-	-
0.1620	-	-	-	-	0.1620	-	-	-	-
0.1420	-	-	-	-	0.1420	-	-	-	-
0.1230	-	-	-	-	0.1230	-	-	-	-
0.1070	-	-	-	-	0.1070	-	-	-	-
0.0920	-	-	-	-	0.0920	-	-	-	-
0.0920	-	-	-	-	0.0920	-	-	-	-
0.0920	-	-	-	-	0.0920	-	-	-	-
0.0920	-	-	-	-	0.0920	-	-	-	-
0.0920	-	-	-	-	0.0920	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0360	-	-	-	-	0.0360	-	-	-	-
0.0170	-	-	0.0170	-	0.0170	-	-	0.0170	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0120	-	-	-	-	0.0120	-	-	-	-
	-	-	0.0170	-		-	-	0.0170	-

[illegible]

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0670	-	-	-	-	0.0043	-	-	-	-
0.0610	-	-	-	-	0.0043	-	-	-	-
0.0550	-	-	-	-	0.0043	-	-	-	-
0.0490	-	-	-	-	0.0043	-	-	-	-
0.0430	-	-	-	-	0.0043	-	-	-	-
0.0380	-	-	-	-	0.0043	-	-	-	-
0.0340	-	-	-	-	0.0043	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0290	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	0.0150	-	0.0043	-	-	0.0043	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0140	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0150	-		-	-	0.0043	-

Rollers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.6950	-	-	-	-
	2015	0.6833	-	-	-	-
	2016	0.6282	-	-	-	-
	2017	0.5799	-	-	-	-
	2018	0.4810	-	-	-	-
	2019	0.4225	-	-	-	-
	2020	0.3882	-	-	-	-
	2021	0.3534	-	-	-	-
	2022	0.3101	-	-	-	-
	2023	0.2867	-	-	-	-
	2024	0.2718	-	-	-	-
	2025	0.2554	-	-	-	-
	2026	0.2554	-	-	-	-
	2027	0.2554	-	-	-	-
	2028	0.2554	-	-	-	-
	2029	0.2554	-	-	-	-
	2030	0.2990	-	-	-	-
	2031	0.2990	-	-	-	-
	2032	0.2990	-	-	-	-
	2033	0.2990	-	-	-	-
	2034	0.2990	-	-	-	-
	2035	0.2580	-	-	0.2580	-
	2036	0.2580	-	-	-	-
	2037	0.2580	-	-	-	-
	2038	0.2580	-	-	-	-
	2039	0.2580	-	-	-	-
	2040	0.2400	-	-	-	-
Rollers Total			-	-	0.2580	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.8092	-	-	-	-	6.3904	-	-	-	-
3.8089	-	-	-	-	6.2716	-	-	-	-
3.7554	-	-	-	-	5.8056	-	-	-	-
3.7132	-	-	-	-	5.4114	-	-	-	-
3.6098	-	-	-	-	4.6505	-	-	-	-
3.5573	-	-	-	-	4.1795	-	-	-	-
3.5314	-	-	-	-	3.8815	-	-	-	-
3.5072	-	-	-	-	3.5889	-	-	-	-
3.4697	-	-	-	-	3.2190	-	-	-	-
3.4546	-	-	-	-	3.0030	-	-	-	-
3.4506	-	-	-	-	2.8430	-	-	-	-
3.4443	-	-	-	-	2.6914	-	-	-	-
3.4443	-	-	-	-	2.6914	-	-	-	-
3.4443	-	-	-	-	2.6914	-	-	-	-
3.4443	-	-	-	-	2.6914	-	-	-	-
3.4443	-	-	-	-	2.6914	-	-	-	-
3.6390	-	-	-	-	1.9500	-	-	-	-
3.6390	-	-	-	-	1.9500	-	-	-	-
3.6390	-	-	-	-	1.9500	-	-	-	-
3.6390	-	-	-	-	1.9500	-	-	-	-
3.6390	-	-	-	-	1.9500	-	-	-	-
3.6290	-	-	3.6290	-	1.6500	-	-	1.6500	-
3.6290	-	-	-	-	1.6500	-	-	-	-
3.6290	-	-	-	-	1.6500	-	-	-	-
3.6290	-	-	-	-	1.6500	-	-	-	-
3.6290	-	-	-	-	1.6500	-	-	-	-
3.6250	-	-	-	-	1.5250	-	-	-	-
	-	-	3.6290	-		-	-	1.6500	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4759	-	-	-	-	0.4378	-	-	-	-
0.4674	-	-	-	-	0.4300	-	-	-	-
0.4275	-	-	-	-	0.3933	-	-	-	-
0.3921	-	-	-	-	0.3607	-	-	-	-
0.3200	-	-	-	-	0.2944	-	-	-	-
0.2748	-	-	-	-	0.2528	-	-	-	-
0.2475	-	-	-	-	0.2277	-	-	-	-
0.2194	-	-	-	-	0.2018	-	-	-	-
0.1855	-	-	-	-	0.1707	-	-	-	-
0.1652	-	-	-	-	0.1520	-	-	-	-
0.1505	-	-	-	-	0.1384	-	-	-	-
0.1354	-	-	-	-	0.1245	-	-	-	-
0.1354	-	-	-	-	0.1245	-	-	-	-
0.1354	-	-	-	-	0.1245	-	-	-	-
0.1354	-	-	-	-	0.1245	-	-	-	-
0.1354	-	-	-	-	0.1245	-	-	-	-
0.0660	-	-	-	-	0.0660	-	-	-	-
0.0660	-	-	-	-	0.0660	-	-	-	-
0.0660	-	-	-	-	0.0660	-	-	-	-
0.0660	-	-	-	-	0.0660	-	-	-	-
0.0660	-	-	-	-	0.0660	-	-	-	-
0.0350	-	-	0.0350	-	0.0350	-	-	0.0350	-
0.0350	-	-	-	-	0.0350	-	-	-	-
0.0350	-	-	-	-	0.0350	-	-	-	-
0.0350	-	-	-	-	0.0350	-	-	-	-
0.0350	-	-	-	-	0.0350	-	-	-	-
0.0210	-	-	-	-	0.0210	-	-	-	-
	-	-	0.0350	-		-	-	0.0350	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
518.7866	-	-	-	-	0.0049	-	-	-	-
513.5052	-	-	-	-	0.0049	-	-	-	-
508.1987	-	-	-	-	0.0049	-	-	-	-
500.1525	-	-	-	-	0.0049	-	-	-	-
492.2118	-	-	-	-	0.0049	-	-	-	-
484.3362	-	-	-	-	0.0049	-	-	-	-
473.8594	-	-	-	-	0.0049	-	-	-	-
473.9012	-	-	-	-	0.0049	-	-	-	-
473.9291	-	-	-	-	0.0049	-	-	-	-
473.9363	-	-	-	-	0.0049	-	-	-	-
474.0072	-	-	-	-	0.0049	-	-	-	-
473.8510	-	-	-	-	0.0049	-	-	-	-
473.8510	-	-	-	-	0.0049	-	-	-	-
473.8510	-	-	-	-	0.0049	-	-	-	-
473.8510	-	-	-	-	0.0049	-	-	-	-
473.8510	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1532	-	-	-	-	0.0043	-	-	-	-
0.1532	-	-	-	-	0.0043	-	-	-	-
0.1532	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0270	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	0.0230	-	0.0043	-	-	0.0043	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0230	-		-	-	0.0043	-

Rough Terrain Forklifts	ROG		Weighted -	Weighted -	Weighted -	Weighted -
			Grubbing	Grading	Drainage	Paving
2014	0.3507	-	-	-	-	-
2015	0.3377	-	-	-	-	-
2016	0.3016	-	-	-	-	-
2017	0.2710	-	-	-	-	-
2018	0.2222	-	-	-	-	-
2019	0.2019	-	-	-	-	-
2020	0.1892	-	-	-	-	-
2021	0.1746	-	-	-	-	-
2022	0.1586	-	-	-	-	-
2023	0.1499	-	-	-	-	-
2024	0.1451	-	-	-	-	-
2025	0.1374	-	-	-	-	-
2026	0.1374	-	-	-	-	-
2027	0.1374	-	-	-	-	-
2028	0.1374	-	-	-	-	-
2029	0.1374	-	-	-	-	-
2030	0.2790	-	-	-	-	-
2031	0.2790	-	-	-	-	-
2032	0.2790	-	-	-	-	-
2033	0.2790	-	-	-	-	-
2034	0.2790	-	-	-	-	-
2035	0.2620	-	-	-	0.2620	-
2036	0.2620	-	-	-	-	-
2037	0.2620	-	-	-	-	-
2038	0.2620	-	-	-	-	-
2039	0.2620	-	-	-	-	-
2040	0.2580	-	-	-	-	-
Rough Terrain Forklifts Total		-	-	-	0.2620	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.3671	-	-	-	-	4.4673	-	-	-	-
3.3662	-	-	-	-	4.2800	-	-	-	-
3.3417	-	-	-	-	3.8401	-	-	-	-
3.3178	-	-	-	-	3.4176	-	-	-	-
3.2698	-	-	-	-	2.8450	-	-	-	-
3.2585	-	-	-	-	2.6222	-	-	-	-
3.2558	-	-	-	-	2.4522	-	-	-	-
3.2519	-	-	-	-	2.2853	-	-	-	-
3.2437	-	-	-	-	2.0983	-	-	-	-
3.2422	-	-	-	-	1.9836	-	-	-	-
3.2447	-	-	-	-	1.9139	-	-	-	-
3.2397	-	-	-	-	1.8205	-	-	-	-
3.2397	-	-	-	-	1.8205	-	-	-	-
3.2397	-	-	-	-	1.8205	-	-	-	-
3.2397	-	-	-	-	1.8205	-	-	-	-
3.2397	-	-	-	-	1.8205	-	-	-	-
3.7250	-	-	-	-	1.6710	-	-	-	-
3.7250	-	-	-	-	1.6710	-	-	-	-
3.7250	-	-	-	-	1.6710	-	-	-	-
3.7250	-	-	-	-	1.6710	-	-	-	-
3.7250	-	-	-	-	1.6710	-	-	-	-
3.7220	-	-	3.7220	-	1.5300	-	-	1.5300	-
3.7220	-	-	-	-	1.5300	-	-	-	-
3.7220	-	-	-	-	1.5300	-	-	-	-
3.7220	-	-	-	-	1.5300	-	-	-	-
3.7220	-	-	-	-	1.5300	-	-	-	-
3.7220	-	-	-	-	1.4850	-	-	-	-
	-	-	3.7220	-		-	-	1.5300	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2610	-	-	-	-	0.2401	-	-	-	-
0.2474	-	-	-	-	0.2276	-	-	-	-
0.2131	-	-	-	-	0.1961	-	-	-	-
0.1816	-	-	-	-	0.1671	-	-	-	-
0.1360	-	-	-	-	0.1251	-	-	-	-
0.1168	-	-	-	-	0.1075	-	-	-	-
0.1026	-	-	-	-	0.0944	-	-	-	-
0.0885	-	-	-	-	0.0815	-	-	-	-
0.0732	-	-	-	-	0.0673	-	-	-	-
0.0637	-	-	-	-	0.0586	-	-	-	-
0.0583	-	-	-	-	0.0536	-	-	-	-
0.0511	-	-	-	-	0.0470	-	-	-	-
0.0511	-	-	-	-	0.0470	-	-	-	-
0.0511	-	-	-	-	0.0470	-	-	-	-
0.0511	-	-	-	-	0.0470	-	-	-	-
0.0511	-	-	-	-	0.0470	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0340	-	-	-	-	0.0340	-	-	-	-
0.0200	-	-	0.0200	-	0.0200	-	-	0.0200	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
	-	-	0.0200	-		-	-	0.0200	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
517.2602	-	-	-	-	0.0049	-	-	-	-
512.0859	-	-	-	-	0.0049	-	-	-	-
507.0659	-	-	-	-	0.0049	-	-	-	-
499.1682	-	-	-	-	0.0049	-	-	-	-
491.2107	-	-	-	-	0.0049	-	-	-	-
483.3105	-	-	-	-	0.0049	-	-	-	-
472.9842	-	-	-	-	0.0049	-	-	-	-
473.1100	-	-	-	-	0.0049	-	-	-	-
473.0890	-	-	-	-	0.0049	-	-	-	-
473.1584	-	-	-	-	0.0049	-	-	-	-
473.0631	-	-	-	-	0.0049	-	-	-	-
473.0366	-	-	-	-	0.0049	-	-	-	-
473.0366	-	-	-	-	0.0049	-	-	-	-
473.0366	-	-	-	-	0.0049	-	-	-	-
473.0366	-	-	-	-	0.0049	-	-	-	-
473.0366	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	0.0230	-	0.0043	-	-	0.0043	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0230	-		-	-	0.0043	-

Rubber Tired Dozers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.7213	-	-	-	-
	2015	0.7284	-	-	-	-
	2016	0.7357	-	-	-	-
	2017	0.7066	-	-	-	-
	2018	0.6692	-	-	-	-
	2019	0.6511	-	-	-	-
	2020	0.6195	-	-	-	-
	2021	0.6005	-	-	-	-
	2022	0.4804	-	-	-	-
	2023	0.3929	-	-	-	-
	2024	0.3989	-	-	-	-
	2025	0.3719	-	-	-	-
	2026	0.3719	-	-	-	-
	2027	0.3719	-	-	-	-
	2028	0.3719	-	-	-	-
	2029	0.3719	-	-	-	-
	2030	0.3350	-	-	-	-
	2031	0.3350	-	-	-	-
	2032	0.3350	-	-	-	-
	2033	0.3350	-	-	-	-
	2034	0.3350	-	-	-	-
	2035	0.2860	-	-	0.2860	-
	2036	0.2860	-	-	-	-
	2037	0.2860	-	-	-	-
	2038	0.2860	-	-	-	-
	2039	0.2860	-	-	-	-
	2040	0.2530	-	-	-	-
Rubber Tired Dozers Total			-	-	0.2860	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2.7120	-	-	-	-	7.9722	-	-	-	-
2.7204	-	-	-	-	7.9837	-	-	-	-
2.7294	-	-	-	-	7.9951	-	-	-	-
2.6551	-	-	-	-	7.6708	-	-	-	-
2.5116	-	-	-	-	7.2079	-	-	-	-
2.4586	-	-	-	-	6.9292	-	-	-	-
2.3710	-	-	-	-	6.5033	-	-	-	-
2.3172	-	-	-	-	6.2962	-	-	-	-
2.0556	-	-	-	-	5.0465	-	-	-	-
1.7827	-	-	-	-	4.0901	-	-	-	-
1.7969	-	-	-	-	4.0904	-	-	-	-
1.7203	-	-	-	-	3.8055	-	-	-	-
1.7203	-	-	-	-	3.8055	-	-	-	-
1.7203	-	-	-	-	3.8055	-	-	-	-
1.7203	-	-	-	-	3.8055	-	-	-	-
1.7203	-	-	-	-	3.8055	-	-	-	-
1.3220	-	-	-	-	1.8280	-	-	-	-
1.3220	-	-	-	-	1.8280	-	-	-	-
1.3220	-	-	-	-	1.8280	-	-	-	-
1.3220	-	-	-	-	1.8280	-	-	-	-
1.3220	-	-	-	-	1.8280	-	-	-	-
1.2620	-	-	1.2620	-	1.2030	-	-	1.2030	-
1.2620	-	-	-	-	1.2030	-	-	-	-
1.2620	-	-	-	-	1.2030	-	-	-	-
1.2620	-	-	-	-	1.2030	-	-	-	-
1.2620	-	-	-	-	1.2030	-	-	-	-
1.2250	-	-	-	-	0.8100	-	-	-	-
	-	-	1.2620	-		-	-	1.2030	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3925	-	-	-	-	0.3611	-	-	-	-
0.3939	-	-	-	-	0.3624	-	-	-	-
0.3953	-	-	-	-	0.3637	-	-	-	-
0.3755	-	-	-	-	0.3454	-	-	-	-
0.3504	-	-	-	-	0.3224	-	-	-	-
0.3379	-	-	-	-	0.3108	-	-	-	-
0.3185	-	-	-	-	0.2930	-	-	-	-
0.3056	-	-	-	-	0.2811	-	-	-	-
0.2395	-	-	-	-	0.2204	-	-	-	-
0.1842	-	-	-	-	0.1694	-	-	-	-
0.1843	-	-	-	-	0.1696	-	-	-	-
0.1665	-	-	-	-	0.1532	-	-	-	-
0.1665	-	-	-	-	0.1532	-	-	-	-
0.1665	-	-	-	-	0.1532	-	-	-	-
0.1665	-	-	-	-	0.1532	-	-	-	-
0.1665	-	-	-	-	0.1532	-	-	-	-
0.0690	-	-	-	-	0.0690	-	-	-	-
0.0690	-	-	-	-	0.0690	-	-	-	-
0.0690	-	-	-	-	0.0690	-	-	-	-
0.0690	-	-	-	-	0.0690	-	-	-	-
0.0690	-	-	-	-	0.0690	-	-	-	-
0.0460	-	-	0.0460	-	0.0460	-	-	0.0460	-
0.0460	-	-	-	-	0.0460	-	-	-	-
0.0460	-	-	-	-	0.0460	-	-	-	-
0.0460	-	-	-	-	0.0460	-	-	-	-
0.0460	-	-	-	-	0.0460	-	-	-	-
0.0310	-	-	-	-	0.0310	-	-	-	-
	-	-	0.0460	-		-	-	0.0460	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
520.0105	-	-	-	-	0.0049	-	-	-	-
514.7359	-	-	-	-	0.0049	-	-	-	-
509.4615	-	-	-	-	0.0049	-	-	-	-
501.5475	-	-	-	-	0.0049	-	-	-	-
493.6337	-	-	-	-	0.0049	-	-	-	-
485.1720	-	-	-	-	0.0049	-	-	-	-
474.7928	-	-	-	-	0.0049	-	-	-	-
474.7984	-	-	-	-	0.0049	-	-	-	-
474.6166	-	-	-	-	0.0049	-	-	-	-
474.5967	-	-	-	-	0.0049	-	-	-	-
474.5854	-	-	-	-	0.0049	-	-	-	-
474.5734	-	-	-	-	0.0049	-	-	-	-
474.5734	-	-	-	-	0.0049	-	-	-	-
474.5734	-	-	-	-	0.0049	-	-	-	-
474.5734	-	-	-	-	0.0049	-	-	-	-
474.5734	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.1535	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	0.0250	-	0.0043	-	-	0.0043	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0250	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0250	-		-	-	0.0043	-

Rubber Tired Loaders			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.4066	-	-	-	-
	2015	0.4056	-	-	-	-
	2016	0.3933	-	-	-	-
	2017	0.3727	-	-	-	-
	2018	0.3335	-	-	-	-
	2019	0.3094	-	-	-	-
	2020	0.2902	-	-	-	-
	2021	0.2661	-	-	-	-
	2022	0.2261	-	-	-	-
	2023	0.2099	-	-	-	-
	2024	0.1971	-	-	-	-
	2025	0.1774	-	-	-	-
	2026	0.1774	-	-	-	-
	2027	0.1774	-	-	-	-
	2028	0.1774	-	-	-	-
	2029	0.1774	-	-	-	-
	2030	0.2100	-	-	-	-
	2031	0.2100	-	-	-	-
	2032	0.2100	-	-	-	-
	2033	0.2100	-	-	-	-
	2034	0.2100	-	-	-	-
	2035	0.1910	-	-	0.1910	-
	2036	0.1910	-	-	-	-
	2037	0.1910	-	-	-	-
	2038	0.1910	-	-	-	-
	2039	0.1910	-	-	-	-
	2040	0.1850	-	-	-	-
Rubber Tired Loaders Total			-	-	0.1910	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
1.4855	-	-	-	-	5.4954	-	-	-	-
1.4799	-	-	-	-	5.3693	-	-	-	-
1.4521	-	-	-	-	5.1151	-	-	-	-
1.4172	-	-	-	-	4.7547	-	-	-	-
1.3464	-	-	-	-	4.1313	-	-	-	-
1.3025	-	-	-	-	3.7445	-	-	-	-
1.2689	-	-	-	-	3.4212	-	-	-	-
1.2403	-	-	-	-	2.9977	-	-	-	-
1.1880	-	-	-	-	2.3469	-	-	-	-
1.1714	-	-	-	-	2.0596	-	-	-	-
1.1607	-	-	-	-	1.8060	-	-	-	-
1.1417	-	-	-	-	1.4421	-	-	-	-
1.1417	-	-	-	-	1.4421	-	-	-	-
1.1417	-	-	-	-	1.4421	-	-	-	-
1.1417	-	-	-	-	1.4421	-	-	-	-
1.1417	-	-	-	-	1.4421	-	-	-	-
1.1380	-	-	-	-	0.6550	-	-	-	-
1.1380	-	-	-	-	0.6550	-	-	-	-
1.1380	-	-	-	-	0.6550	-	-	-	-
1.1380	-	-	-	-	0.6550	-	-	-	-
1.1380	-	-	-	-	0.6550	-	-	-	-
1.1290	-	-	1.1290	-	0.4340	-	-	0.4340	-
1.1290	-	-	-	-	0.4340	-	-	-	-
1.1290	-	-	-	-	0.4340	-	-	-	-
1.1290	-	-	-	-	0.4340	-	-	-	-
1.1290	-	-	-	-	0.4340	-	-	-	-
1.1280	-	-	-	-	0.3460	-	-	-	-
	-	-	1.1290	-		-	-	0.4340	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1868	-	-	-	-	0.1719	-	-	-	-
0.1833	-	-	-	-	0.1686	-	-	-	-
0.1745	-	-	-	-	0.1605	-	-	-	-
0.1620	-	-	-	-	0.1490	-	-	-	-
0.1401	-	-	-	-	0.1289	-	-	-	-
0.1255	-	-	-	-	0.1155	-	-	-	-
0.1136	-	-	-	-	0.1045	-	-	-	-
0.1000	-	-	-	-	0.0920	-	-	-	-
0.0787	-	-	-	-	0.0724	-	-	-	-
0.0690	-	-	-	-	0.0635	-	-	-	-
0.0604	-	-	-	-	0.0556	-	-	-	-
0.0484	-	-	-	-	0.0446	-	-	-	-
0.0484	-	-	-	-	0.0446	-	-	-	-
0.0484	-	-	-	-	0.0446	-	-	-	-
0.0484	-	-	-	-	0.0446	-	-	-	-
0.0484	-	-	-	-	0.0446	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0150	-	-	0.0150	-	0.0150	-	-	0.0150	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0150	-		-	-	0.0150	-

CO2	Weighted -	Weighted -	Weighted -	Weighted -	SOX	Weighted -	Weighted -	Weighted -	Weighted -
	Grubbing	Grading	Drainage	Paving		Grubbing	Grading	Drainage	Paving
514.2167	-	-	-	-	0.0048	-	-	-	-
508.9127	-	-	-	-	0.0048	-	-	-	-
503.6542	-	-	-	-	0.0048	-	-	-	-
495.9499	-	-	-	-	0.0048	-	-	-	-
487.9023	-	-	-	-	0.0048	-	-	-	-
480.0997	-	-	-	-	0.0048	-	-	-	-
469.5127	-	-	-	-	0.0048	-	-	-	-
469.5642	-	-	-	-	0.0048	-	-	-	-
469.9041	-	-	-	-	0.0049	-	-	-	-
469.8240	-	-	-	-	0.0049	-	-	-	-
469.7875	-	-	-	-	0.0049	-	-	-	-
469.8711	-	-	-	-	0.0049	-	-	-	-
469.8711	-	-	-	-	0.0049	-	-	-	-
469.8711	-	-	-	-	0.0049	-	-	-	-
469.8711	-	-	-	-	0.0049	-	-	-	-
469.8711	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1518	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.1520	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	0.0170	-	0.0043	-	-	0.0043	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
0.0160	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0170	-		-	-	0.0043	-

Scrapers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.4787	-	-	-	-
	2015	0.4722	-	-	-	-
	2016	0.4524	-	-	-	-
	2017	0.4251	-	-	-	-
	2018	0.3691	-	-	-	-
	2019	0.3429	-	-	-	-
	2020	0.3196	-	-	-	-
	2021	0.2992	-	-	-	-
	2022	0.2637	-	-	-	-
	2023	0.2532	-	-	-	-
	2024	0.2446	-	-	-	-
	2025	0.2162	-	-	-	-
	2026	0.2162	-	-	-	-
	2027	0.2162	-	-	-	-
	2028	0.2162	-	-	-	-
	2029	0.2162	-	-	-	-
	2030	0.2590	-	-	-	-
	2031	0.2590	-	-	-	-
	2032	0.2590	-	-	-	-
	2033	0.2590	-	-	-	-
	2034	0.2590	-	-	-	-
	2035	0.2260	-	-	0.2260	-
	2036	0.2260	-	-	-	-
	2037	0.2260	-	-	-	-
	2038	0.2260	-	-	-	-
	2039	0.2260	-	-	-	-
	2040	0.2090	-	-	-	-
Scrapers Total			-	-	0.2260	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.8982	-	-	-	-	6.2330	-	-	-	-
3.7880	-	-	-	-	6.0858	-	-	-	-
3.6063	-	-	-	-	5.7575	-	-	-	-
3.3370	-	-	-	-	5.3395	-	-	-	-
2.8281	-	-	-	-	4.5677	-	-	-	-
2.5947	-	-	-	-	4.1565	-	-	-	-
2.4006	-	-	-	-	3.7825	-	-	-	-
2.2545	-	-	-	-	3.4448	-	-	-	-
2.0521	-	-	-	-	2.8786	-	-	-	-
1.9753	-	-	-	-	2.6661	-	-	-	-
1.9206	-	-	-	-	2.4769	-	-	-	-
1.7318	-	-	-	-	2.0505	-	-	-	-
1.7318	-	-	-	-	2.0505	-	-	-	-
1.7318	-	-	-	-	2.0505	-	-	-	-
1.7318	-	-	-	-	2.0505	-	-	-	-
1.7318	-	-	-	-	2.0505	-	-	-	-
1.1840	-	-	-	-	1.0570	-	-	-	-
1.1840	-	-	-	-	1.0570	-	-	-	-
1.1840	-	-	-	-	1.0570	-	-	-	-
1.1840	-	-	-	-	1.0570	-	-	-	-
1.1840	-	-	-	-	1.0570	-	-	-	-
1.1230	-	-	1.1230	-	0.6740	-	-	0.6740	-
1.1230	-	-	-	-	0.6740	-	-	-	-
1.1230	-	-	-	-	0.6740	-	-	-	-
1.1230	-	-	-	-	0.6740	-	-	-	-
1.1230	-	-	-	-	0.6740	-	-	-	-
1.1000	-	-	-	-	0.4750	-	-	-	-
	-	-	1.1230	-		-	-	0.6740	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2514	-	-	-	-	0.2313	-	-	-	-
0.2458	-	-	-	-	0.2261	-	-	-	-
0.2321	-	-	-	-	0.2135	-	-	-	-
0.2143	-	-	-	-	0.1971	-	-	-	-
0.1800	-	-	-	-	0.1656	-	-	-	-
0.1629	-	-	-	-	0.1498	-	-	-	-
0.1475	-	-	-	-	0.1357	-	-	-	-
0.1340	-	-	-	-	0.1233	-	-	-	-
0.1124	-	-	-	-	0.1034	-	-	-	-
0.1045	-	-	-	-	0.0962	-	-	-	-
0.0979	-	-	-	-	0.0901	-	-	-	-
0.0807	-	-	-	-	0.0743	-	-	-	-
0.0807	-	-	-	-	0.0743	-	-	-	-
0.0807	-	-	-	-	0.0743	-	-	-	-
0.0807	-	-	-	-	0.0743	-	-	-	-
0.0807	-	-	-	-	0.0743	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0400	-	-	-	-	0.0400	-	-	-	-
0.0250	-	-	0.0250	-	0.0250	-	-	0.0250	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0250	-		-	-	0.0250	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
517.3608	-	-	-	-	0.0049	-	-	-	-
511.9471	-	-	-	-	0.0049	-	-	-	-
506.3503	-	-	-	-	0.0049	-	-	-	-
498.4571	-	-	-	-	0.0049	-	-	-	-
490.7734	-	-	-	-	0.0049	-	-	-	-
482.7319	-	-	-	-	0.0049	-	-	-	-
472.1751	-	-	-	-	0.0049	-	-	-	-
472.4636	-	-	-	-	0.0049	-	-	-	-
473.2304	-	-	-	-	0.0049	-	-	-	-
473.1772	-	-	-	-	0.0049	-	-	-	-
472.8455	-	-	-	-	0.0049	-	-	-	-
472.5394	-	-	-	-	0.0049	-	-	-	-
472.5394	-	-	-	-	0.0049	-	-	-	-
472.5394	-	-	-	-	0.0049	-	-	-	-
472.5394	-	-	-	-	0.0049	-	-	-	-
472.5394	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.3000	-	-	568.3000	-	0.0050	-	-	0.0050	-
568.3000	-	-	-	-	0.0050	-	-	-	-
568.3000	-	-	-	-	0.0050	-	-	-	-
568.3000	-	-	-	-	0.0050	-	-	-	-
568.3000	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
	-	-	568.3000	-		-	-	0.0050	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1531	-	-	-	-	0.0043	-	-	-	-
0.1530	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	0.0200	-	0.0043	-	-	0.0043	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0200	-		-	-	0.0043	-

Signal Boards			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.6610	-	-	-	-
	2015	0.6610	-	-	-	-
	2016	0.6610	-	-	-	-
	2017	0.6610	-	-	-	-
	2018	0.6610	-	-	-	-
	2019	0.6610	-	-	-	-
	2020	0.6610	-	-	-	-
	2021	0.6610	-	-	-	-
	2022	0.6610	-	-	-	-
	2023	0.6610	-	-	-	-
	2024	0.6610	-	-	-	-
	2025	0.6610	-	-	-	-
	2026	0.6610	-	-	-	-
	2027	0.6610	-	-	-	-
	2028	0.6610	-	-	-	-
	2029	0.6610	-	-	-	-
	2030	0.6610	-	-	-	-
	2031	0.6610	-	-	-	-
	2032	0.6610	-	-	-	-
	2033	0.6610	-	-	-	-
	2034	0.6610	-	-	-	-
	2035	0.6610	-	-	0.6610	-
	2036	0.6610	-	-	-	-
	2037	0.6610	-	-	-	-
	2038	0.6610	-	-	-	-
	2039	0.6610	-	-	-	-
	2040	0.6610	-	-	-	-
Signal Boards Total			-	-	0.6610	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	3.4690	-	4.1420	-	-	4.1420	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	3.4690	-	4.1420	-	-	4.1420	-

[illegible]

[illegible]

[illegible]

Skid Steer Loaders			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
2014	0.3041	-	-	-	-	-
2015	0.2939	-	-	-	-	-
2016	0.2731	-	-	-	-	-
2017	0.2553	-	-	-	-	-
2018	0.2158	-	-	-	-	-
2019	0.1994	-	-	-	-	-
2020	0.1884	-	-	-	-	-
2021	0.1780	-	-	-	-	-
2022	0.1641	-	-	-	-	-
2023	0.1534	-	-	-	-	-
2024	0.1469	-	-	-	-	-
2025	0.1398	-	-	-	-	-
2026	0.1398	-	-	-	-	-
2027	0.1398	-	-	-	-	-
2028	0.1398	-	-	-	-	-
2029	0.1398	-	-	-	-	-
2030	0.2140	-	-	-	-	-
2031	0.2140	-	-	-	-	-
2032	0.2140	-	-	-	-	-
2033	0.2140	-	-	-	-	-
2034	0.2140	-	-	-	-	-
2035	0.2110	-	-	-	0.2110	-
2036	0.2110	-	-	-	-	-
2037	0.2110	-	-	-	-	-
2038	0.2110	-	-	-	-	-
2039	0.2110	-	-	-	-	-
2040	0.2110	-	-	-	-	-
Skid Steer Loaders Total		-	-	-	0.2110	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.3383	-	-	-	-	4.0133	-	-	-	-
3.3375	-	-	-	-	3.8106	-	-	-	-
3.3277	-	-	-	-	3.5344	-	-	-	-
3.3186	-	-	-	-	3.2862	-	-	-	-
3.2820	-	-	-	-	2.8600	-	-	-	-
3.2774	-	-	-	-	2.6559	-	-	-	-
3.2771	-	-	-	-	2.5046	-	-	-	-
3.2769	-	-	-	-	2.3659	-	-	-	-
3.2704	-	-	-	-	2.1892	-	-	-	-
3.2661	-	-	-	-	2.0385	-	-	-	-
3.2640	-	-	-	-	1.9484	-	-	-	-
3.2516	-	-	-	-	1.8674	-	-	-	-
3.2516	-	-	-	-	1.8674	-	-	-	-
3.2516	-	-	-	-	1.8674	-	-	-	-
3.2516	-	-	-	-	1.8674	-	-	-	-
3.2516	-	-	-	-	1.8674	-	-	-	-
3.5380	-	-	-	-	1.4770	-	-	-	-
3.5380	-	-	-	-	1.4770	-	-	-	-
3.5380	-	-	-	-	1.4770	-	-	-	-
3.5380	-	-	-	-	1.4770	-	-	-	-
3.5380	-	-	-	-	1.4770	-	-	-	-
3.5400	-	-	3.5400	-	1.4420	-	-	1.4420	-
3.5400	-	-	-	-	1.4420	-	-	-	-
3.5400	-	-	-	-	1.4420	-	-	-	-
3.5400	-	-	-	-	1.4420	-	-	-	-
3.5400	-	-	-	-	1.4420	-	-	-	-
3.5400	-	-	-	-	1.4350	-	-	-	-
	-	-	3.5400	-		-	-	1.4420	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2345	-	-	-	-	0.2158	-	-	-	-
0.2202	-	-	-	-	0.2026	-	-	-	-
0.1974	-	-	-	-	0.1816	-	-	-	-
0.1766	-	-	-	-	0.1625	-	-	-	-
0.1398	-	-	-	-	0.1286	-	-	-	-
0.1217	-	-	-	-	0.1119	-	-	-	-
0.1084	-	-	-	-	0.0997	-	-	-	-
0.0963	-	-	-	-	0.0886	-	-	-	-
0.0814	-	-	-	-	0.0748	-	-	-	-
0.0690	-	-	-	-	0.0634	-	-	-	-
0.0626	-	-	-	-	0.0576	-	-	-	-
0.0567	-	-	-	-	0.0521	-	-	-	-
0.0567	-	-	-	-	0.0521	-	-	-	-
0.0567	-	-	-	-	0.0521	-	-	-	-
0.0567	-	-	-	-	0.0521	-	-	-	-
0.0567	-	-	-	-	0.0521	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0170	-	-	-	-	0.0170	-	-	-	-
0.0140	-	-	0.0140	-	0.0140	-	-	0.0140	-
0.0140	-	-	-	-	0.0140	-	-	-	-
0.0140	-	-	-	-	0.0140	-	-	-	-
0.0140	-	-	-	-	0.0140	-	-	-	-
0.0140	-	-	-	-	0.0140	-	-	-	-
0.0130	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0140	-		-	-	0.0140	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
517.0621	-	-	-	-	0.0049	-	-	-	-
511.5950	-	-	-	-	0.0049	-	-	-	-
506.2971	-	-	-	-	0.0049	-	-	-	-
498.3256	-	-	-	-	0.0049	-	-	-	-
490.0935	-	-	-	-	0.0049	-	-	-	-
482.3844	-	-	-	-	0.0049	-	-	-	-
471.9075	-	-	-	-	0.0049	-	-	-	-
471.9774	-	-	-	-	0.0049	-	-	-	-
472.4321	-	-	-	-	0.0049	-	-	-	-
472.6560	-	-	-	-	0.0049	-	-	-	-
472.8470	-	-	-	-	0.0049	-	-	-	-
472.6295	-	-	-	-	0.0049	-	-	-	-
472.6295	-	-	-	-	0.0049	-	-	-	-
472.6295	-	-	-	-	0.0049	-	-	-	-
472.6295	-	-	-	-	0.0049	-	-	-	-
472.6295	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
	-	-	568.2990	-		-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1527	-	-	-	-	0.0043	-	-	-	-
0.1526	-	-	-	-	0.0043	-	-	-	-
0.1526	-	-	-	-	0.0043	-	-	-	-
0.1526	-	-	-	-	0.0043	-	-	-	-
0.1526	-	-	-	-	0.0043	-	-	-	-
0.1528	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.1529	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	0.0190	-	0.0043	-	-	0.0043	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	-	-	0.0043	-	-	-	-
0.0190	-	-	0.0190	-	0.0043	-	-	0.0043	-

Surfacing Equipment	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.2370	-	-	-	-
	2015	0.2408	-	-	-	-
	2016	0.2171	-	-	-	-
	2017	0.2037	-	-	-	-
	2018	0.1574	-	-	-	-
	2019	0.1455	-	-	-	-
	2020	0.1455	-	-	-	-
	2021	0.1408	-	-	-	-
	2022	0.1323	-	-	-	-
	2023	0.1315	-	-	-	-
	2024	0.1338	-	-	-	-
	2025	0.1279	-	-	-	-
	2026	0.1279	-	-	-	-
	2027	0.1279	-	-	-	-
	2028	0.1279	-	-	-	-
	2029	0.1279	-	-	-	-
	2030	0.1690	-	-	-	-
	2031	0.1690	-	-	-	-
	2032	0.1690	-	-	-	-
	2033	0.1690	-	-	-	-
	2034	0.1690	-	-	-	-
	2035	0.1480	-	-	0.1480	-
	2036	0.1480	-	-	-	-
	2037	0.1480	-	-	-	-
	2038	0.1480	-	-	-	-
	2039	0.1480	-	-	-	-
	2040	0.1400	-	-	-	-
Surfacing Equipment Total			-	-	0.1480	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
1.5015	-	-	-	-	3.8952	-	-	-	-
1.5130	-	-	-	-	3.9004	-	-	-	-
1.4248	-	-	-	-	3.4682	-	-	-	-
1.3962	-	-	-	-	3.1064	-	-	-	-
1.2256	-	-	-	-	2.2039	-	-	-	-
1.2143	-	-	-	-	1.8994	-	-	-	-
1.2190	-	-	-	-	1.8376	-	-	-	-
1.2023	-	-	-	-	1.7528	-	-	-	-
1.1605	-	-	-	-	1.5573	-	-	-	-
1.1633	-	-	-	-	1.4756	-	-	-	-
1.1677	-	-	-	-	1.4777	-	-	-	-
1.1686	-	-	-	-	1.3268	-	-	-	-
1.1686	-	-	-	-	1.3268	-	-	-	-
1.1686	-	-	-	-	1.3268	-	-	-	-
1.1686	-	-	-	-	1.3268	-	-	-	-
1.1686	-	-	-	-	1.3268	-	-	-	-
1.0320	-	-	-	-	0.7380	-	-	-	-
1.0320	-	-	-	-	0.7380	-	-	-	-
1.0320	-	-	-	-	0.7380	-	-	-	-
1.0320	-	-	-	-	0.7380	-	-	-	-
1.0320	-	-	-	-	0.7380	-	-	-	-
1.0180	-	-	1.0180	-	0.4710	-	-	0.4710	-
1.0180	-	-	-	-	0.4710	-	-	-	-
1.0180	-	-	-	-	0.4710	-	-	-	-
1.0180	-	-	-	-	0.4710	-	-	-	-
1.0180	-	-	-	-	0.4710	-	-	-	-
1.0150	-	-	-	-	0.3580	-	-	-	-
	-	-	1.0180	-		-	-	0.4710	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1255	-	-	-	-	0.1155	-	-	-	-
0.1265	-	-	-	-	0.1164	-	-	-	-
0.1111	-	-	-	-	0.1022	-	-	-	-
0.1026	-	-	-	-	0.0944	-	-	-	-
0.0761	-	-	-	-	0.0700	-	-	-	-
0.0681	-	-	-	-	0.0626	-	-	-	-
0.0669	-	-	-	-	0.0615	-	-	-	-
0.0635	-	-	-	-	0.0584	-	-	-	-
0.0574	-	-	-	-	0.0528	-	-	-	-
0.0556	-	-	-	-	0.0512	-	-	-	-
0.0559	-	-	-	-	0.0514	-	-	-	-
0.0510	-	-	-	-	0.0469	-	-	-	-
0.0510	-	-	-	-	0.0469	-	-	-	-
0.0510	-	-	-	-	0.0469	-	-	-	-
0.0510	-	-	-	-	0.0469	-	-	-	-
0.0510	-	-	-	-	0.0469	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0250	-	-	-	-	0.0250	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0120	-	-	-	-	0.0120	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
513.6157	-	-	-	-	0.0048	-	-	-	-
508.3985	-	-	-	-	0.0048	-	-	-	-
502.4709	-	-	-	-	0.0048	-	-	-	-
496.8850	-	-	-	-	0.0049	-	-	-	-
487.8722	-	-	-	-	0.0049	-	-	-	-
481.8965	-	-	-	-	0.0049	-	-	-	-
471.6331	-	-	-	-	0.0049	-	-	-	-
471.7484	-	-	-	-	0.0049	-	-	-	-
470.5248	-	-	-	-	0.0049	-	-	-	-
470.3746	-	-	-	-	0.0049	-	-	-	-
470.2521	-	-	-	-	0.0049	-	-	-	-
470.2827	-	-	-	-	0.0049	-	-	-	-
470.2827	-	-	-	-	0.0049	-	-	-	-
470.2827	-	-	-	-	0.0049	-	-	-	-
470.2827	-	-	-	-	0.0049	-	-	-	-
470.2827	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	568.2990	-	0.0050	-	-	0.0050	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	-	-	0.0050	-	-	-	-
568.2990	-	-	568.2990	-	0.0050	-	-	0.0050	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1518	-	-	-	-	0.0043	-	-	-	-
0.1518	-	-	-	-	0.0043	-	-	-	-
0.1516	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1519	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1525	-	-	-	-	0.0043	-	-	-	-
0.1526	-	-	-	-	0.0043	-	-	-	-
0.1522	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.1521	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0150	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	0.0130	-	0.0043	-	-	0.0043	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0130	-	-	-	-	0.0043	-	-	-	-
0.0120	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0130	-		-	-	0.0043	-

Sweepers/Scrubbers			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	0.8326	-	-	-	-
	2015	0.8334	-	-	-	-
	2016	0.7826	-	-	-	-
	2017	0.7205	-	-	-	-
	2018	0.5995	-	-	-	-
	2019	0.5496	-	-	-	-
	2020	0.5199	-	-	-	-
	2021	0.4402	-	-	-	-
	2022	0.3724	-	-	-	-
	2023	0.3506	-	-	-	-
	2024	0.3320	-	-	-	-
	2025	0.3031	-	-	-	-
	2026	0.3031	-	-	-	-
	2027	0.3031	-	-	-	-
	2028	0.3031	-	-	-	-
	2029	0.3031	-	-	-	-
	2030	0.2610	-	-	-	-
	2031	0.2610	-	-	-	-
	2032	0.2610	-	-	-	-
	2033	0.2610	-	-	-	-
	2034	0.2610	-	-	-	-
	2035	0.2530	-	-	0.2530	-
	2036	0.2530	-	-	-	-
	2037	0.2530	-	-	-	-
	2038	0.2530	-	-	-	-
	2039	0.2530	-	-	-	-
	2040	0.2510	-	-	-	-
Sweepers/Scrubbers Total			-	-	0.2530	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.0709	-	-	-	-	6.9339	-	-	-	-
4.0968	-	-	-	-	6.8863	-	-	-	-
4.0592	-	-	-	-	6.4541	-	-	-	-
4.0101	-	-	-	-	6.0202	-	-	-	-
3.8817	-	-	-	-	5.1360	-	-	-	-
3.8460	-	-	-	-	4.7726	-	-	-	-
3.8275	-	-	-	-	4.4821	-	-	-	-
3.7575	-	-	-	-	3.9619	-	-	-	-
3.6920	-	-	-	-	3.4722	-	-	-	-
3.6950	-	-	-	-	3.2854	-	-	-	-
3.6929	-	-	-	-	3.0985	-	-	-	-
3.6640	-	-	-	-	2.8173	-	-	-	-
3.6640	-	-	-	-	2.8173	-	-	-	-
3.6640	-	-	-	-	2.8173	-	-	-	-
3.6640	-	-	-	-	2.8173	-	-	-	-
3.6640	-	-	-	-	2.8173	-	-	-	-
3.7030	-	-	-	-	1.5690	-	-	-	-
3.7030	-	-	-	-	1.5690	-	-	-	-
3.7030	-	-	-	-	1.5690	-	-	-	-
3.7030	-	-	-	-	1.5690	-	-	-	-
3.7030	-	-	-	-	1.5690	-	-	-	-
3.6980	-	-	3.6980	-	1.4860	-	-	1.4860	-
3.6980	-	-	-	-	1.4860	-	-	-	-
3.6980	-	-	-	-	1.4860	-	-	-	-
3.6980	-	-	-	-	1.4860	-	-	-	-
3.6980	-	-	-	-	1.4860	-	-	-	-
3.6970	-	-	-	-	1.4690	-	-	-	-
	-	-	3.6980	-		-	-	1.4860	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.6104	-	-	-	-	0.5615	-	-	-	-
0.6103	-	-	-	-	0.5614	-	-	-	-
0.5707	-	-	-	-	0.5250	-	-	-	-
0.5202	-	-	-	-	0.4786	-	-	-	-
0.4283	-	-	-	-	0.3941	-	-	-	-
0.3872	-	-	-	-	0.3563	-	-	-	-
0.3601	-	-	-	-	0.3313	-	-	-	-
0.2914	-	-	-	-	0.2681	-	-	-	-
0.2321	-	-	-	-	0.2135	-	-	-	-
0.2095	-	-	-	-	0.1928	-	-	-	-
0.1885	-	-	-	-	0.1734	-	-	-	-
0.1597	-	-	-	-	0.1469	-	-	-	-
0.1597	-	-	-	-	0.1469	-	-	-	-
0.1597	-	-	-	-	0.1469	-	-	-	-
0.1597	-	-	-	-	0.1469	-	-	-	-
0.1597	-	-	-	-	0.1469	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0230	-	-	-	-	0.0230	-	-	-	-
0.0160	-	-	0.0160	-	0.0160	-	-	0.0160	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
	-	-	0.0160	-		-	-	0.0160	-

CO2	Weighted -	Weighted -	Weighted -	Weighted -	SOX	Weighted -	Weighted -	Weighted -	Weighted -
	Grubbing	Grading	Drainage	Paving		Grubbing	Grading	Drainage	Paving
518.8933	-	-	-	-	0.0049	-	-	-	-
513.6254	-	-	-	-	0.0049	-	-	-	-
508.3574	-	-	-	-	0.0049	-	-	-	-
500.4555	-	-	-	-	0.0049	-	-	-	-
492.5536	-	-	-	-	0.0049	-	-	-	-
484.6516	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
474.1157	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.1533	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	0.0220	-	0.0043	-	-	0.0043	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0220	-		-	-	0.0043	-

Tractors/Loaders/Backhoes	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.5822	-	-	-	-
	2015	0.5693	-	-	-	-
	2016	0.5380	-	-	-	-
	2017	0.5005	-	-	-	-
	2018	0.4204	-	-	-	-
	2019	0.3678	-	-	-	-
	2020	0.3310	-	-	-	-
	2021	0.2959	-	-	-	-
	2022	0.2602	-	-	-	-
	2023	0.2391	-	-	-	-
	2024	0.2274	-	-	-	-
	2025	0.2087	-	-	-	-
	2026	0.2087	-	-	-	-
	2027	0.2087	-	-	-	-
	2028	0.2087	-	-	-	-
	2029	0.2087	-	-	-	-
	2030	0.2720	-	-	-	-
	2031	0.2720	-	-	-	-
	2032	0.2720	-	-	-	-
	2033	0.2720	-	-	-	-
	2034	0.2720	-	-	-	-
	2035	0.2580	-	-	0.2580	-
	2036	0.2580	-	-	-	-
	2037	0.2580	-	-	-	-
	2038	0.2580	-	-	-	-
	2039	0.2580	-	-	-	-
	2040	0.2540	-	-	-	-
Tractors/Loaders/Backhoes Total			-	-	0.2580	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.8272	-	-	-	-	5.5808	-	-	-	-
3.8320	-	-	-	-	5.4221	-	-	-	-
3.8115	-	-	-	-	5.1424	-	-	-	-
3.7818	-	-	-	-	4.8087	-	-	-	-
3.6916	-	-	-	-	4.1544	-	-	-	-
3.6378	-	-	-	-	3.6926	-	-	-	-
3.6015	-	-	-	-	3.3257	-	-	-	-
3.5707	-	-	-	-	2.9950	-	-	-	-
3.5355	-	-	-	-	2.6472	-	-	-	-
3.5250	-	-	-	-	2.4261	-	-	-	-
3.5318	-	-	-	-	2.2880	-	-	-	-
3.5224	-	-	-	-	2.1092	-	-	-	-
3.5224	-	-	-	-	2.1092	-	-	-	-
3.5224	-	-	-	-	2.1092	-	-	-	-
3.5224	-	-	-	-	2.1092	-	-	-	-
3.5224	-	-	-	-	2.1092	-	-	-	-
3.7050	-	-	-	-	1.6240	-	-	-	-
3.7050	-	-	-	-	1.6240	-	-	-	-
3.7050	-	-	-	-	1.6240	-	-	-	-
3.7050	-	-	-	-	1.6240	-	-	-	-
3.7050	-	-	-	-	1.6240	-	-	-	-
3.7030	-	-	3.7030	-	1.5210	-	-	1.5210	-
3.7030	-	-	-	-	1.5210	-	-	-	-
3.7030	-	-	-	-	1.5210	-	-	-	-
3.7030	-	-	-	-	1.5210	-	-	-	-
3.7030	-	-	-	-	1.5210	-	-	-	-
3.7030	-	-	-	-	1.4850	-	-	-	-
	-	-	3.7030	-		-	-	1.5210	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4384	-	-	-	-	0.4033	-	-	-	-
0.4244	-	-	-	-	0.3904	-	-	-	-
0.3959	-	-	-	-	0.3643	-	-	-	-
0.3616	-	-	-	-	0.3327	-	-	-	-
0.2943	-	-	-	-	0.2708	-	-	-	-
0.2465	-	-	-	-	0.2268	-	-	-	-
0.2103	-	-	-	-	0.1935	-	-	-	-
0.1766	-	-	-	-	0.1625	-	-	-	-
0.1424	-	-	-	-	0.1310	-	-	-	-
0.1198	-	-	-	-	0.1102	-	-	-	-
0.1050	-	-	-	-	0.0966	-	-	-	-
0.0855	-	-	-	-	0.0786	-	-	-	-
0.0855	-	-	-	-	0.0786	-	-	-	-
0.0855	-	-	-	-	0.0786	-	-	-	-
0.0855	-	-	-	-	0.0786	-	-	-	-
0.0855	-	-	-	-	0.0786	-	-	-	-
0.0300	-	-	-	-	0.0300	-	-	-	-
0.0300	-	-	-	-	0.0300	-	-	-	-
0.0300	-	-	-	-	0.0300	-	-	-	-
0.0300	-	-	-	-	0.0300	-	-	-	-
0.0300	-	-	-	-	0.0300	-	-	-	-
0.0200	-	-	0.0200	-	0.0200	-	-	0.0200	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0200	-	-	-	-	0.0200	-	-	-	-
0.0160	-	-	-	-	0.0160	-	-	-	-
	-	-	0.0200	-		-	-	0.0200	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
523.0168	-	-	-	-	0.0049	-	-	-	-
517.3652	-	-	-	-	0.0049	-	-	-	-
511.3456	-	-	-	-	0.0049	-	-	-	-
502.7952	-	-	-	-	0.0049	-	-	-	-
494.1237	-	-	-	-	0.0049	-	-	-	-
485.8548	-	-	-	-	0.0049	-	-	-	-
475.1543	-	-	-	-	0.0049	-	-	-	-
475.3621	-	-	-	-	0.0049	-	-	-	-
475.8975	-	-	-	-	0.0049	-	-	-	-
476.4307	-	-	-	-	0.0049	-	-	-	-
476.7313	-	-	-	-	0.0049	-	-	-	-
477.1880	-	-	-	-	0.0049	-	-	-	-
477.1880	-	-	-	-	0.0049	-	-	-	-
477.1880	-	-	-	-	0.0049	-	-	-	-
477.1880	-	-	-	-	0.0049	-	-	-	-
477.1880	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1546	-	-	-	-	0.0043	-	-	-	-
0.1545	-	-	-	-	0.0043	-	-	-	-
0.1542	-	-	-	-	0.0043	-	-	-	-
0.1541	-	-	-	-	0.0043	-	-	-	-
0.1538	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1541	-	-	-	-	0.0043	-	-	-	-
0.1542	-	-	-	-	0.0043	-	-	-	-
0.1543	-	-	-	-	0.0043	-	-	-	-
0.1543	-	-	-	-	0.0043	-	-	-	-
0.1543	-	-	-	-	0.0043	-	-	-	-
0.1543	-	-	-	-	0.0043	-	-	-	-
0.1543	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0240	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	0.0230	-	0.0043	-	-	0.0043	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0220	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0230	-		-	-	0.0043	-

Trenchers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.8181	-	-	-	-
	2015	0.8171	-	-	-	-
	2016	0.7880	-	-	-	-
	2017	0.7615	-	-	-	-
	2018	0.6581	-	-	-	-
	2019	0.6314	-	-	-	-
	2020	0.6102	-	-	-	-
	2021	0.5560	-	-	-	-
	2022	0.5290	-	-	-	-
	2023	0.5040	-	-	-	-
	2024	0.4943	-	-	-	-
	2025	0.4565	-	-	-	-
	2026	0.4565	-	-	-	-
	2027	0.4565	-	-	-	-
	2028	0.4565	-	-	-	-
	2029	0.4565	-	-	-	-
	2030	0.4090	-	-	-	-
	2031	0.4090	-	-	-	-
	2032	0.4090	-	-	-	-
	2033	0.4090	-	-	-	-
	2034	0.4090	-	-	-	-
	2035	0.3320	-	-	0.3320	-
	2036	0.3320	-	-	-	-
	2037	0.3320	-	-	-	-
	2038	0.3320	-	-	-	-
	2039	0.3320	-	-	-	-
	2040	0.2930	-	-	-	-
Trenchers Total			-	-	0.3320	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.9988	-	-	-	-	7.2172	-	-	-	-
4.0143	-	-	-	-	7.1786	-	-	-	-
3.9882	-	-	-	-	6.9022	-	-	-	-
3.9683	-	-	-	-	6.6788	-	-	-	-
3.8549	-	-	-	-	5.9153	-	-	-	-
3.8368	-	-	-	-	5.6951	-	-	-	-
3.8327	-	-	-	-	5.5195	-	-	-	-
3.7891	-	-	-	-	5.1059	-	-	-	-
3.7784	-	-	-	-	4.9135	-	-	-	-
3.7684	-	-	-	-	4.7005	-	-	-	-
3.7685	-	-	-	-	4.5932	-	-	-	-
3.7344	-	-	-	-	4.2790	-	-	-	-
3.7344	-	-	-	-	4.2790	-	-	-	-
3.7344	-	-	-	-	4.2790	-	-	-	-
3.7344	-	-	-	-	4.2790	-	-	-	-
3.7344	-	-	-	-	4.2790	-	-	-	-
3.7430	-	-	-	-	2.5590	-	-	-	-
3.7430	-	-	-	-	2.5590	-	-	-	-
3.7430	-	-	-	-	2.5590	-	-	-	-
3.7430	-	-	-	-	2.5590	-	-	-	-
3.7430	-	-	-	-	2.5590	-	-	-	-
3.7130	-	-	3.7130	-	2.0490	-	-	2.0490	-
3.7130	-	-	-	-	2.0490	-	-	-	-
3.7130	-	-	-	-	2.0490	-	-	-	-
3.7130	-	-	-	-	2.0490	-	-	-	-
3.7130	-	-	-	-	2.0490	-	-	-	-
3.6990	-	-	-	-	1.7670	-	-	-	-
	-	-	3.7130	-		-	-	2.0490	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5629	-	-	-	-	0.5179	-	-	-	-
0.5616	-	-	-	-	0.5167	-	-	-	-
0.5413	-	-	-	-	0.4980	-	-	-	-
0.5232	-	-	-	-	0.4813	-	-	-	-
0.4500	-	-	-	-	0.4140	-	-	-	-
0.4306	-	-	-	-	0.3961	-	-	-	-
0.4132	-	-	-	-	0.3802	-	-	-	-
0.3707	-	-	-	-	0.3411	-	-	-	-
0.3481	-	-	-	-	0.3203	-	-	-	-
0.3261	-	-	-	-	0.3000	-	-	-	-
0.3178	-	-	-	-	0.2924	-	-	-	-
0.2850	-	-	-	-	0.2622	-	-	-	-
0.2850	-	-	-	-	0.2622	-	-	-	-
0.2850	-	-	-	-	0.2622	-	-	-	-
0.2850	-	-	-	-	0.2622	-	-	-	-
0.2850	-	-	-	-	0.2622	-	-	-	-
0.1320	-	-	-	-	0.1320	-	-	-	-
0.1320	-	-	-	-	0.1320	-	-	-	-
0.1320	-	-	-	-	0.1320	-	-	-	-
0.1320	-	-	-	-	0.1320	-	-	-	-
0.1320	-	-	-	-	0.1320	-	-	-	-
0.0760	-	-	0.0760	-	0.0760	-	-	0.0760	-
0.0760	-	-	-	-	0.0760	-	-	-	-
0.0760	-	-	-	-	0.0760	-	-	-	-
0.0760	-	-	-	-	0.0760	-	-	-	-
0.0760	-	-	-	-	0.0760	-	-	-	-
0.0470	-	-	-	-	0.0470	-	-	-	-
	-	-	0.0760	-		-	-	0.0760	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
520.7658	-	-	-	-	0.0049	-	-	-	-
515.3955	-	-	-	-	0.0049	-	-	-	-
509.9027	-	-	-	-	0.0049	-	-	-	-
501.9916	-	-	-	-	0.0049	-	-	-	-
493.7150	-	-	-	-	0.0049	-	-	-	-
485.3635	-	-	-	-	0.0049	-	-	-	-
475.1265	-	-	-	-	0.0049	-	-	-	-
475.2870	-	-	-	-	0.0049	-	-	-	-
475.3262	-	-	-	-	0.0049	-	-	-	-
475.6903	-	-	-	-	0.0049	-	-	-	-
475.6324	-	-	-	-	0.0049	-	-	-	-
475.9014	-	-	-	-	0.0049	-	-	-	-
475.9014	-	-	-	-	0.0049	-	-	-	-
475.9014	-	-	-	-	0.0049	-	-	-	-
475.9014	-	-	-	-	0.0049	-	-	-	-
475.9014	-	-	-	-	0.0049	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	568.3000	-	0.0060	-	-	0.0060	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
	-	-	568.3000	-		-	-	0.0060	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1538	-	-	-	-	0.0043	-	-	-	-
0.1538	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1536	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1537	-	-	-	-	0.0043	-	-	-	-
0.1538	-	-	-	-	0.0043	-	-	-	-
0.1538	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.1539	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0360	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	0.0300	-	0.0043	-	-	0.0043	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0300	-	-	-	-	0.0043	-	-	-	-
0.0260	-	-	-	-	0.0043	-	-	-	-
	-	-	0.0300	-		-	-	0.0043	-

Welders			Weighted -	Weighted -	Weighted -	Weighted -
	ROG		Grubbing	Grading	Drainage	Paving
	2014	1.9000	-	-	-	-
	2015	1.7150	-	-	-	-
	2016	1.5400	-	-	-	-
	2017	1.3720	-	-	-	-
	2018	1.2100	-	-	-	-
	2019	1.0550	-	-	-	-
	2020	0.9370	-	-	-	-
	2021	0.8290	-	-	-	-
	2022	0.7580	-	-	-	-
	2023	0.6970	-	-	-	-
	2024	0.6460	-	-	-	-
	2025	0.6020	-	-	-	-
	2026	0.6020	-	-	-	-
	2027	0.6020	-	-	-	-
	2028	0.6020	-	-	-	-
	2029	0.6020	-	-	-	-
	2030	0.4490	-	-	-	-
	2031	0.4490	-	-	-	-
	2032	0.4490	-	-	-	-
	2033	0.4490	-	-	-	-
	2034	0.4490	-	-	-	-
	2035	0.4060	-	-	0.4060	-
	2036	0.4060	-	-	-	-
	2037	0.4060	-	-	-	-
	2038	0.4060	-	-	-	-
	2039	0.4060	-	-	-	-
	2040	0.4020	-	-	-	-
Welders Total			-	-	0.4060	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.7490	-	-	-	-	5.3080	-	-	-	-
5.5620	-	-	-	-	5.1130	-	-	-	-
5.3950	-	-	-	-	4.9360	-	-	-	-
5.2390	-	-	-	-	4.7680	-	-	-	-
5.0920	-	-	-	-	4.6070	-	-	-	-
4.9500	-	-	-	-	4.4490	-	-	-	-
4.8400	-	-	-	-	4.3040	-	-	-	-
4.7080	-	-	-	-	4.1330	-	-	-	-
4.6450	-	-	-	-	4.0070	-	-	-	-
4.5960	-	-	-	-	3.8910	-	-	-	-
4.5570	-	-	-	-	3.7820	-	-	-	-
4.5240	-	-	-	-	3.6760	-	-	-	-
4.5240	-	-	-	-	3.6760	-	-	-	-
4.5240	-	-	-	-	3.6760	-	-	-	-
4.5240	-	-	-	-	3.6760	-	-	-	-
4.5240	-	-	-	-	3.6760	-	-	-	-
4.3870	-	-	-	-	3.2730	-	-	-	-
4.3870	-	-	-	-	3.2730	-	-	-	-
4.3870	-	-	-	-	3.2730	-	-	-	-
4.3870	-	-	-	-	3.2730	-	-	-	-
4.3870	-	-	-	-	3.2730	-	-	-	-
4.3490	-	-	4.3490	-	3.1470	-	-	3.1470	-
4.3490	-	-	-	-	3.1470	-	-	-	-
4.3490	-	-	-	-	3.1470	-	-	-	-
4.3490	-	-	-	-	3.1470	-	-	-	-
4.3490	-	-	-	-	3.1470	-	-	-	-
4.3360	-	-	-	-	3.0930	-	-	-	-
	-	-	4.3490	-		-	-	3.1470	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4730	-	-	-	-	0.4730	-	-	-	-
0.4300	-	-	-	-	0.4300	-	-	-	-
0.3890	-	-	-	-	0.3890	-	-	-	-
0.3500	-	-	-	-	0.3500	-	-	-	-
0.3110	-	-	-	-	0.3110	-	-	-	-
0.2730	-	-	-	-	0.2730	-	-	-	-
0.2380	-	-	-	-	0.2380	-	-	-	-
0.2030	-	-	-	-	0.2030	-	-	-	-
0.1750	-	-	-	-	0.1750	-	-	-	-
0.1510	-	-	-	-	0.1510	-	-	-	-
0.1300	-	-	-	-	0.1300	-	-	-	-
0.1120	-	-	-	-	0.1120	-	-	-	-
0.1120	-	-	-	-	0.1120	-	-	-	-
0.1120	-	-	-	-	0.1120	-	-	-	-
0.1120	-	-	-	-	0.1120	-	-	-	-
0.1120	-	-	-	-	0.1120	-	-	-	-
0.0450	-	-	-	-	0.0450	-	-	-	-
0.0450	-	-	-	-	0.0450	-	-	-	-
0.0450	-	-	-	-	0.0450	-	-	-	-
0.0450	-	-	-	-	0.0450	-	-	-	-
0.0450	-	-	-	-	0.0450	-	-	-	-
0.0220	-	-	0.0220	-	0.0220	-	-	0.0220	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0220	-	-	-	-	0.0220	-	-	-	-
0.0150	-	-	-	-	0.0150	-	-	-	-
	-	-	0.0220	-		-	-	0.0220	-

[illegible]

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1710	-	-	-	-	0.0048	-	-	-	-
0.1540	-	-	-	-	0.0048	-	-	-	-
0.1380	-	-	-	-	0.0048	-	-	-	-
0.1230	-	-	-	-	0.0048	-	-	-	-
0.1090	-	-	-	-	0.0048	-	-	-	-
0.0950	-	-	-	-	0.0048	-	-	-	-
0.0840	-	-	-	-	0.0048	-	-	-	-
0.0740	-	-	-	-	0.0048	-	-	-	-
0.0680	-	-	-	-	0.0048	-	-	-	-
0.0620	-	-	-	-	0.0048	-	-	-	-
0.0580	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0540	-	-	-	-	0.0048	-	-	-	-
0.0400	-	-	-	-	0.0048	-	-	-	-
0.0400	-	-	-	-	0.0048	-	-	-	-
0.0400	-	-	-	-	0.0048	-	-	-	-
0.0400	-	-	-	-	0.0048	-	-	-	-
0.0400	-	-	-	-	0.0048	-	-	-	-
0.0360	-	-	0.0360	-	0.0048	-	-	0.0048	-
0.0360	-	-	-	-	0.0048	-	-	-	-
0.0360	-	-	-	-	0.0048	-	-	-	-
0.0360	-	-	-	-	0.0048	-	-	-	-
0.0360	-	-	-	-	0.0048	-	-	-	-
0.0360	-	-	-	-	0.0048	-	-	-	-
	-	-	0.0360	-		-	-	0.0048	-

Off-road Equipment Tier 4 Emission Factors

HP Bin		Emission Factor (g/bhp-hr)				
Low HP	High HP	ROG	CO	NOx	PM10	PM2.5
0	11	0.30	6.00	5.32	0.30	0.28
11	25	0.30	4.90	5.32	0.30	0.28
25	50	0.19	4.10	3.33	0.02	0.02
50	75	0.19	3.70	3.33	0.02	0.02
75	100	0.15	3.70	0.30	0.02	0.01
100	175	0.15	3.70	0.30	0.02	0.01
175	300	0.15	2.60	0.30	0.02	0.01
300	600	0.15	2.60	0.30	0.02	0.01
600	750	0.15	2.60	0.30	0.02	0.01
750	1200	0.15	2.60	2.60	0.03	0.03
1200	9999	0.15	2.60	2.60	0.03	0.03

Note:

1. Tier 4 Emission Factors are converted from EPA Non-road Diesel Engine Standards. Available at www.arb.ca.gov/msprog/ordiesel/documents/Off-Road_Diesel_Std.xls
2. Assume PM2.5 is 92% of PM10.

92 % of PM2.5 in PM10 (from CEIDARS)
 95 % of NOx in NMHC+NOx (from http://www.arb.ca.gov/msprog/moyer/guidelines/2005_Carl_Moyer_Guidelines_Part4.pdf)
 1.07 VOC/NMHC

Default Horsepower and Load Factor

OFFROAD Equipment Type	Horsepower	Load Factor
Aerial Lifts	63	0.31
Air Compressors	78	0.48
Bore/Drill Rigs	221	0.5
Cement and Mortar Mixers	9	0.56
Concrete/Industrial Saws	81	0.73
Cranes	231	0.29
Crawler Tractors	212	0.43
Crushing/Proc. Equipment	85	0.78
Excavators	158	0.38
Forklifts	89	0.2
Generator Sets	84	0.74
Graders	187	0.41
Off-Highway Tractors	124	0.44
Off-Highway Trucks	402	0.38
Other Construction Equipment	172	0.42
Other General Industrial Equipment	88	0.34
Other Material Handling Equipment	168	0.4
Pavers	130	0.42
Paving Equipment	132	0.36
Plate Compactors	8	0.43
Pressure Washers	13	0.3
Pumps	84	0.74
Rollers	80	0.38
Rough Terrain Forklifts	100	0.4
Rubber Tired Dozers	247	0.4
Rubber Tired Loaders	203	0.36
Scrapers	367	0.48
Signal Boards	6	0.82
Skid Steer Loaders	65	0.37
Surfacing Equipment	263	0.3
Sweepers/Scrubbers	64	0.46
Tractors/Loaders/Backhoes	97	0.37
Trenchers	78	0.5
Welders	46	0.45

Default Horsepower and Load Factor from CalEEMod2016 Appendix D: Table 3.3

Sacramento Valley Air Basin Fleet Average Emission Factors (Diesel)

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.261	3.233	4.096	0.005	0.158	0.145	574.665	0.170	0.005
Aerial Lifts	25	0.261	3.233	4.096	0.005	0.158	0.145	574.665	0.170	0.005
Aerial Lifts	50	0.261	3.233	4.096	0.005	0.158	0.145	574.665	0.170	0.005
Aerial Lifts	120	0.202	3.220	3.373	0.005	0.161	0.148	516.703	0.153	0.004
Aerial Lifts	500	0.236	0.983	4.602	0.005	0.101	0.093	516.638	0.153	0.004
Aerial Lifts	750	0.299	1.178	3.761	0.005	0.109	0.109	568.299	0.027	0.004
Air Compressors										
	15	0.891	3.723	5.445	0.008	0.341	0.341	568.300	0.080	0.005
Air Compressors										
	25	0.960	2.780	5.000	0.007	0.291	0.291	568.299	0.086	0.005
Air Compressors										
	50	2.076	6.181	5.421	0.007	0.505	0.505	568.299	0.187	0.005
Air Compressors										
	120	0.901	3.880	5.608	0.006	0.495	0.495	568.299	0.081	0.004
Air Compressors										
	175	0.621	3.227	4.973	0.006	0.272	0.272	568.299	0.056	0.004
Air Compressors										
	250	0.405	1.237	4.399	0.006	0.134	0.134	568.299	0.036	0.004
Air Compressors										
	500	0.373	1.249	3.855	0.005	0.125	0.125	568.299	0.033	0.004
Air Compressors										
	750	0.378	1.249	3.991	0.005	0.128	0.128	568.299	0.034	0.004
Air Compressors										
	1000	0.445	1.493	5.512	0.005	0.157	0.157	568.300	0.040	0.004
Bore/Drill Rigs										
	15	0.834	4.691	5.332	0.006	0.382	0.351	591.442	0.175	0.005
Bore/Drill Rigs										
	25	0.834	4.691	5.332	0.006	0.382	0.351	591.442	0.175	0.005
Bore/Drill Rigs										
	50	0.834	4.691	5.332	0.006	0.382	0.351	591.442	0.175	0.005
Bore/Drill Rigs										
	120	0.319	3.327	4.195	0.005	0.249	0.229	501.365	0.148	0.004
Bore/Drill Rigs										
	175	0.308	3.040	4.066	0.005	0.186	0.171	524.052	0.155	0.004
Bore/Drill Rigs										
	250	0.217	1.174	3.525	0.005	0.105	0.097	512.336	0.151	0.004
Bore/Drill Rigs										
	500	0.202	1.239	3.186	0.005	0.101	0.093	506.154	0.150	0.004
Bore/Drill Rigs										
	750	0.157	1.087	2.373	0.005	0.081	0.074	525.240	0.155	0.004
Bore/Drill Rigs										
	1000	0.105	0.951	2.984	0.005	0.058	0.054	516.600	0.153	0.004
Cement and Mortar Mixers										
	15	0.666	3.469	4.191	0.008	0.177	0.177	568.299	0.060	0.005
Cement and Mortar Mixers										
	25	0.837	2.570	4.793	0.007	0.253	0.253	568.299	0.075	0.005
Concrete/Industrial Saws										
	25	0.685	2.339	4.332	0.007	0.164	0.164	568.299	0.061	0.005
Concrete/Industrial Saws										
	50	1.626	5.313	5.172	0.007	0.424	0.424	568.299	0.146	0.005
Concrete/Industrial Saws										
	120	0.749	3.675	5.160	0.006	0.412	0.412	568.299	0.067	0.004
Concrete/Industrial Saws										
	175	0.517	3.080	4.531	0.006	0.228	0.228	568.299	0.046	0.004
Cranes										
	50	2.115	7.126	6.093	0.005	0.607	0.559	567.006	0.168	0.005
Cranes										
	120	1.245	4.923	10.302	0.005	0.765	0.704	514.029	0.152	0.004
Cranes										
	175	0.793	3.932	8.471	0.005	0.457	0.421	519.511	0.154	0.004
Cranes										
	250	0.661	2.726	7.860	0.005	0.360	0.331	517.683	0.153	0.004
Cranes										
	500	0.483	4.177	6.264	0.005	0.260	0.239	516.578	0.153	0.004
Cranes										
	750	0.280	1.635	4.327	0.005	0.151	0.139	515.607	0.152	0.004
Cranes										
	9999	0.120	0.948	2.281	0.005	0.054	0.050	516.638	0.153	0.004
Crawler Tractors										
	50	2.521	8.047	6.396	0.005	0.743	0.684	564.564	0.167	0.005
Crawler Tractors										
	120	0.884	4.168	7.524	0.005	0.629	0.578	522.119	0.154	0.004
Crawler Tractors										
	175	0.629	3.459	6.875	0.005	0.374	0.344	516.404	0.153	0.004
Crawler Tractors										
	250	0.454	1.838	6.238	0.005	0.241	0.222	518.036	0.153	0.004
Crawler Tractors										
	500	0.412	2.911	5.616	0.005	0.217	0.200	520.515	0.154	0.004
Crawler Tractors										
	750	0.347	1.675	4.895	0.005	0.179	0.164	517.861	0.153	0.004
Crawler Tractors										
	1000	0.475	2.080	7.426	0.005	0.218	0.201	520.005	0.154	0.004
Crushing/Proc. Equipment										
	50	2.012	6.212	5.399	0.007	0.494	0.494	568.299	0.181	0.005
Crushing/Proc. Equipment										
	120	0.877	3.898	5.468	0.006	0.481	0.481	568.299	0.079	0.004
Crushing/Proc. Equipment										
	175	0.612	3.256	4.823	0.006	0.265	0.265	568.299	0.055	0.004
Crushing/Proc. Equipment										
	250	0.405	1.228	4.239	0.006	0.130	0.130	568.299	0.036	0.004
Crushing/Proc. Equipment										
	500	0.377	1.230	3.702	0.005	0.121	0.121	568.299	0.034	0.004
Crushing/Proc. Equipment										
	750	0.378	1.218	3.844	0.005	0.123	0.123	568.299	0.034	0.004
Crushing/Proc. Equipment										
	9999	0.456	1.460	5.391	0.005	0.155	0.155	568.299	0.041	0.004
Dumpers/Tenders										
	25	0.705	2.364	4.433	0.007	0.200	0.200	568.300	0.063	0.005
Excavators										
	25	0.825	4.844	4.965	0.005	0.380	0.350	575.267	0.170	0.005
Excavators										
	50	0.825	4.844	4.965	0.005	0.380	0.350	575.267	0.170	0.005

Sacramento Valley Air Basin Fleet Average Emission Factors (Diesel)

2014

Excavators	120	0.513	3.663	5.131	0.005	0.382	0.352	511.306	0.151	0.004
Excavators	175	0.390	3.154	4.657	0.005	0.229	0.211	516.907	0.153	0.004
Excavators	250	0.294	1.346	4.374	0.005	0.139	0.128	517.323	0.153	0.004
Excavators	500	0.233	1.327	3.353	0.005	0.108	0.099	515.215	0.152	0.004
Excavators	750	0.239	1.347	3.541	0.005	0.114	0.105	511.945	0.151	0.004
Forklifts	50	2.114	7.321	6.006	0.005	0.656	0.604	575.112	0.170	0.005
Forklifts	120	0.795	4.079	6.848	0.005	0.574	0.528	516.062	0.153	0.004
Forklifts	175	0.578	3.521	6.352	0.005	0.345	0.318	516.694	0.153	0.004
Forklifts	250	0.615	2.501	7.276	0.005	0.330	0.304	518.028	0.153	0.004
Forklifts	500	0.541	4.252	6.353	0.005	0.289	0.266	518.345	0.153	0.004
Generator Sets	15	0.783	3.723	5.369	0.008	0.298	0.298	568.299	0.070	0.005
Generator Sets	25	0.821	2.780	5.000	0.007	0.272	0.272	568.299	0.074	0.005
Generator Sets	50	1.427	4.683	5.048	0.007	0.389	0.389	568.299	0.128	0.005
Generator Sets	120	0.721	3.532	5.147	0.006	0.385	0.385	568.299	0.065	0.004
Generator Sets	175	0.486	2.945	4.565	0.006	0.212	0.212	568.299	0.043	0.004
Generator Sets	250	0.311	1.130	4.025	0.006	0.111	0.111	568.300	0.028	0.004
Generator Sets	500	0.279	1.157	3.603	0.005	0.104	0.104	568.299	0.025	0.004
Generator Sets	750	0.289	1.157	3.724	0.005	0.106	0.106	568.299	0.026	0.004
Generator Sets	9999	0.389	1.377	5.150	0.005	0.138	0.138	568.299	0.035	0.004
Graders	50	3.094	9.065	6.550	0.005	0.867	0.798	539.122	0.159	0.005
Graders	120	1.269	4.920	9.986	0.005	0.832	0.765	515.382	0.152	0.004
Graders	175	0.847	3.951	8.702	0.005	0.488	0.449	527.834	0.156	0.004
Graders	250	0.390	1.462	5.740	0.005	0.185	0.171	522.330	0.154	0.004
Graders	500	0.314	1.791	3.714	0.005	0.143	0.131	517.377	0.153	0.004
Graders	750	0.437	1.483	3.876	0.005	0.138	0.138	568.299	0.039	0.004
Off-Highway Tractors	120	0.698	3.972	6.281	0.005	0.513	0.472	520.824	0.154	0.004
Off-Highway Tractors	175	0.424	3.265	5.025	0.005	0.258	0.237	518.164	0.153	0.004
Off-Highway Tractors	250	0.405	1.628	5.661	0.005	0.203	0.187	514.370	0.152	0.004
Off-Highway Tractors	750	0.267	1.334	4.007	0.005	0.133	0.122	516.904	0.153	0.004
Off-Highway Tractors	1000	0.085	0.947	2.279	0.005	0.054	0.050	516.638	0.153	0.004
Off-Highway Trucks	175	0.513	3.473	5.219	0.005	0.292	0.269	514.057	0.152	0.004
Off-Highway Trucks	250	0.483	1.932	5.441	0.005	0.236	0.217	512.833	0.152	0.004
Off-Highway Trucks	500	0.393	2.075	4.686	0.005	0.180	0.165	521.057	0.154	0.004
Off-Highway Trucks	750	0.485	2.953	5.578	0.005	0.231	0.212	521.230	0.154	0.004
Off-Highway Trucks	1000	0.415	1.779	6.365	0.005	0.187	0.172	516.939	0.153	0.004
Other Construction Equipment	15	1.301	5.602	5.565	0.005	0.502	0.462	578.959	0.171	0.005
Other Construction Equipment	25	1.301	5.602	5.565	0.005	0.502	0.462	578.959	0.171	0.005
Other Construction Equipment	50	1.301	5.602	5.565	0.005	0.502	0.462	578.959	0.171	0.005
Other Construction Equipment	120	0.729	3.906	6.633	0.005	0.518	0.476	515.285	0.152	0.004
Other Construction Equipment	175	0.567	3.385	6.372	0.005	0.333	0.307	514.552	0.152	0.004
Other Construction Equipment	500	0.330	2.476	4.561	0.005	0.168	0.155	520.944	0.154	0.004
Other General Industrial Equipment	15	1.521	6.288	5.584	0.005	0.544	0.500	575.871	0.170	0.005
Other General Industrial Equipment	25	1.521	6.288	5.584	0.005	0.544	0.500	575.871	0.170	0.005
Other General Industrial Equipment	50	1.521	6.288	5.584	0.005	0.544	0.500	575.871	0.170	0.005
Other General Industrial Equipment	120	0.789	4.090	6.723	0.005	0.574	0.528	514.389	0.152	0.004
Other General Industrial Equipment	175	0.523	3.469	5.792	0.005	0.312	0.287	516.414	0.153	0.004
Other General Industrial Equipment	250	0.488	2.054	6.153	0.005	0.255	0.234	517.916	0.153	0.004
Other General Industrial Equipment	500	0.355	2.499	4.565	0.005	0.172	0.159	517.595	0.153	0.004
Other General Industrial Equipment	750	0.256	1.489	3.622	0.005	0.115	0.106	518.180	0.153	0.004

Sacramento Valley Air Basin Fleet Average Emission Factors (Diesel)

2014

Other General Industrial Equipment										
	1000	0.346	1.080	6.379	0.005	0.167	0.153	516.638	0.153	0.004
Other Material Handling Equipment										
	50	1.695	6.590	5.751	0.005	0.575	0.529	573.170	0.169	0.005
Other Material Handling Equipment										
	120	0.558	3.779	5.372	0.005	0.412	0.379	518.316	0.153	0.004
Other Material Handling Equipment										
	175	0.528	3.431	5.798	0.005	0.313	0.288	516.818	0.153	0.004
Other Material Handling Equipment										
	250	0.475	1.936	6.173	0.005	0.242	0.223	516.011	0.153	0.004
Other Material Handling Equipment										
	500	0.331	1.927	4.357	0.005	0.169	0.155	514.714	0.152	0.004
Other Material Handling Equipment										
	9999	0.141	0.978	3.436	0.005	0.067	0.061	516.638	0.153	0.004
Pavers	25	1.898	6.381	5.717	0.005	0.595	0.547	577.016	0.171	0.005
Pavers	50	1.898	6.381	5.717	0.005	0.595	0.547	577.016	0.171	0.005
Pavers	120	0.683	3.773	6.199	0.005	0.483	0.444	514.377	0.152	0.004
Pavers	175	0.502	3.115	5.736	0.005	0.287	0.264	516.745	0.153	0.004
Pavers	250	0.208	1.023	4.140	0.005	0.105	0.097	518.723	0.153	0.004
Pavers	500	0.180	1.005	3.047	0.005	0.101	0.093	512.191	0.151	0.004
Paving Equipment	25	1.053	4.952	5.184	0.005	0.437	0.402	569.482	0.168	0.005
Paving Equipment	50	1.053	4.952	5.184	0.005	0.437	0.402	569.482	0.168	0.005
Paving Equipment	120	0.677	3.837	6.370	0.005	0.486	0.447	518.076	0.153	0.004
Paving Equipment	175	0.415	3.097	5.216	0.005	0.249	0.229	515.034	0.152	0.004
Paving Equipment	250	0.310	1.370	4.782	0.005	0.158	0.146	516.900	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.783	3.723	5.369	0.008	0.298	0.298	568.299	0.070	0.005
Pressure Washers	25	0.821	2.780	5.000	0.007	0.272	0.272	568.299	0.074	0.005
Pressure Washers	50	1.096	3.951	4.873	0.007	0.332	0.332	568.299	0.098	0.005
Pressure Washers	120	0.634	3.367	4.912	0.006	0.332	0.332	568.299	0.057	0.004
Pressure Washers	175	0.469	2.923	4.513	0.006	0.206	0.206	568.299	0.042	0.004
Pressure Washers	250	0.137	0.986	1.047	0.006	0.014	0.014	568.299	0.012	0.004
Pumps	15	0.891	3.723	5.445	0.008	0.341	0.341	568.299	0.080	0.005
Pumps	25	0.960	2.780	5.000	0.007	0.291	0.291	568.299	0.086	0.005
Pumps	50	1.538	4.929	5.107	0.007	0.409	0.409	568.299	0.138	0.005
Pumps	120	0.751	3.587	5.226	0.006	0.403	0.403	568.299	0.067	0.004
Pumps	175	0.508	2.989	4.635	0.006	0.222	0.222	568.299	0.045	0.004
Pumps	250	0.326	1.149	4.090	0.006	0.115	0.115	568.299	0.029	0.004
Pumps	500	0.294	1.181	3.648	0.005	0.108	0.108	568.299	0.026	0.004
Pumps	750	0.303	1.181	3.770	0.005	0.110	0.110	568.299	0.027	0.004
Pumps	9999	0.399	1.406	5.210	0.005	0.141	0.141	568.299	0.036	0.004
Rollers	15	1.308	5.243	5.393	0.005	0.484	0.445	575.795	0.170	0.005
Rollers	25	1.308	5.243	5.393	0.005	0.484	0.445	575.795	0.170	0.005
Rollers	50	1.308	5.243	5.393	0.005	0.484	0.445	575.795	0.170	0.005
Rollers	120	0.695	3.809	6.390	0.005	0.476	0.438	518.787	0.153	0.004
Rollers	175	0.368	2.998	4.724	0.005	0.219	0.202	516.591	0.153	0.004
Rollers	250	0.381	1.760	5.403	0.005	0.191	0.176	517.811	0.153	0.004
Rollers	500	0.378	3.318	5.183	0.005	0.202	0.185	522.052	0.154	0.004
Rough Terrain Forklifts	50	1.182	4.887	5.226	0.005	0.436	0.401	575.353	0.170	0.005
Rough Terrain Forklifts	120	0.351	3.367	4.467	0.005	0.261	0.240	517.260	0.153	0.004
Rough Terrain Forklifts	175	0.221	2.852	3.594	0.005	0.140	0.128	516.091	0.153	0.004
Rough Terrain Forklifts	250	0.186	1.212	2.984	0.005	0.087	0.080	517.766	0.153	0.004
Rough Terrain Forklifts	500	0.170	0.954	3.500	0.005	0.076	0.070	511.657	0.151	0.004
Rubber Tired Dozers	175	0.961	4.226	9.834	0.005	0.563	0.518	518.335	0.153	0.004
Rubber Tired Dozers	250	0.721	2.712	7.972	0.005	0.393	0.361	520.011	0.154	0.004
Rubber Tired Dozers	500	0.707	6.165	8.058	0.005	0.376	0.346	524.676	0.155	0.004
Rubber Tired Dozers	750	0.513	2.756	7.147	0.005	0.258	0.237	517.790	0.153	0.004
Rubber Tired Dozers	1000	0.691	3.096	6.849	0.005	0.236	0.236	568.300	0.062	0.004
Rubber Tired Loaders	25	2.115	7.770	6.103	0.005	0.676	0.622	573.522	0.170	0.005
Rubber Tired Loaders	50	2.115	7.770	6.103	0.005	0.676	0.622	573.522	0.170	0.005
Rubber Tired Loaders	120	0.868	4.268	7.129	0.005	0.619	0.569	510.010	0.151	0.004
Rubber Tired Loaders	175	0.605	3.585	6.272	0.005	0.350	0.322	515.769	0.152	0.004
Rubber Tired Loaders	250	0.407	1.486	5.495	0.005	0.187	0.172	514.217	0.152	0.004

Sacramento Valley Air Basin Fleet Average Emission Factors (Diesel)

2014

Rubber Tired Loaders										
	500	0.421	2.407	5.194	0.005	0.196	0.180	512.510	0.152	0.004
Rubber Tired Loaders										
	750	0.406	1.946	4.810	0.005	0.190	0.175	499.695	0.148	0.004
Rubber Tired Loaders										
	1000	0.414	1.457	6.692	0.005	0.195	0.179	515.307	0.152	0.004
Scrapers	120	0.719	4.100	7.065	0.005	0.526	0.484	529.945	0.157	0.004
Scrapers	175	0.718	3.807	7.907	0.005	0.419	0.385	524.171	0.155	0.004
Scrapers	250	0.742	3.061	8.815	0.005	0.403	0.371	512.853	0.152	0.004
Scrapers	500	0.479	3.898	6.233	0.005	0.251	0.231	517.361	0.153	0.004
Scrapers	750	0.369	2.846	5.012	0.005	0.190	0.174	517.394	0.153	0.004
Signal Boards										
	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards										
	50	1.625	5.231	5.139	0.007	0.422	0.422	568.299	0.146	0.005
Signal Boards										
	120	0.759	3.658	5.186	0.006	0.414	0.414	568.299	0.068	0.004
Signal Boards										
	175	0.520	3.058	4.582	0.006	0.228	0.228	568.299	0.046	0.004
Signal Boards										
	250	0.408	1.402	4.857	0.007	0.141	0.141	686.695	0.036	0.004
Skid Steer Loaders										
	25	0.664	4.016	4.541	0.005	0.286	0.263	577.076	0.171	0.005
Skid Steer Loaders										
	50	0.664	4.016	4.541	0.005	0.286	0.263	577.076	0.171	0.005
Skid Steer Loaders										
	120	0.304	3.338	4.013	0.005	0.235	0.216	517.062	0.153	0.004
Surfacing Equipment										
	50	1.141	4.877	5.425	0.006	0.434	0.400	582.725	0.172	0.005
Surfacing Equipment										
	120	0.559	3.580	5.520	0.005	0.391	0.360	516.338	0.153	0.004
Surfacing Equipment										
	175	0.472	3.012	5.711	0.005	0.273	0.251	515.820	0.152	0.004
Surfacing Equipment										
	250	0.306	1.434	5.102	0.005	0.149	0.137	521.452	0.154	0.004
Surfacing Equipment										
	500	0.237	1.501	3.895	0.005	0.126	0.116	513.616	0.152	0.004
Surfacing Equipment										
	750	0.174	1.020	3.284	0.005	0.103	0.095	516.321	0.153	0.004
Sweepers/Scrubbers										
	15	1.767	6.592	5.752	0.005	0.603	0.555	574.943	0.170	0.005
Sweepers/Scrubbers										
	25	1.767	6.592	5.752	0.005	0.603	0.555	574.943	0.170	0.005
Sweepers/Scrubbers										
	50	1.767	6.592	5.752	0.005	0.603	0.555	574.943	0.170	0.005
Sweepers/Scrubbers										
	120	0.833	4.071	6.934	0.005	0.610	0.562	518.893	0.153	0.004
Sweepers/Scrubbers										
	175	0.875	4.042	9.108	0.005	0.503	0.463	517.806	0.153	0.004
Sweepers/Scrubbers										
	250	0.505	2.066	6.704	0.005	0.265	0.244	514.527	0.152	0.004
Tractors/Loaders/Bac khoes										
	25	1.336	5.772	5.369	0.005	0.488	0.449	564.042	0.167	0.005
Tractors/Loaders/Bac khoes										
	50	1.336	5.772	5.369	0.005	0.488	0.449	564.042	0.167	0.005
Tractors/Loaders/Bac khoes										
	120	0.582	3.827	5.581	0.005	0.438	0.403	523.017	0.155	0.004
Tractors/Loaders/Bac khoes										
	175	0.423	3.239	4.938	0.005	0.248	0.229	513.890	0.152	0.004
Tractors/Loaders/Bac khoes										
	250	0.327	1.376	4.922	0.005	0.159	0.146	515.175	0.152	0.004
Tractors/Loaders/Bac khoes										
	500	0.312	1.878	4.488	0.005	0.152	0.140	517.124	0.153	0.004
Tractors/Loaders/Bac khoes										
	750	0.305	1.833	4.243	0.005	0.154	0.141	511.337	0.151	0.004
Trenchers	15	1.268	5.293	5.455	0.005	0.501	0.461	577.728	0.171	0.005
Trenchers	25	1.268	5.293	5.455	0.005	0.501	0.461	577.728	0.171	0.005
Trenchers	50	1.268	5.293	5.455	0.005	0.501	0.461	577.728	0.171	0.005
Trenchers	120	0.818	3.999	7.217	0.005	0.563	0.518	520.766	0.154	0.004
Trenchers	175	0.693	3.668	7.699	0.005	0.395	0.364	512.148	0.151	0.004
Trenchers	250	0.497	2.070	6.484	0.005	0.258	0.237	517.719	0.153	0.004
Trenchers	500	0.306	2.035	4.370	0.005	0.161	0.148	513.744	0.152	0.004
Trenchers	750	0.118	0.964	1.825	0.005	0.061	0.056	519.658	0.154	0.004
Welders	15	0.891	3.723	5.445	0.008	0.341	0.341	568.300	0.080	0.005
Welders	25	0.960	2.780	5.000	0.007	0.291	0.291	568.299	0.086	0.005
Welders	50	1.900	5.749	5.308	0.007	0.473	0.473	568.300	0.171	0.005
Welders	120	0.849	3.774	5.481	0.006	0.464	0.464	568.299	0.076	0.004
Welders	175	0.581	3.141	4.862	0.006	0.255	0.255	568.299	0.052	0.004
Welders	250	0.376	1.207	4.297	0.006	0.128	0.128	568.299	0.034	0.004
Welders	500	0.343	1.227	3.788	0.005	0.119	0.119	568.299	0.031	0.004
Water Trucks										
	175	0.513	3.473	5.219	0.005	0.292	0.269	514.057	0.152	0.004
Water Trucks										
	250	0.483	1.932	5.441	0.005	0.236	0.217	512.833	0.152	0.004
Water Trucks										
	500	0.393	2.075	4.686	0.005	0.180	0.165	521.057	0.154	0.004
Water Trucks										
	750	0.485	2.953	5.578	0.005	0.231	0.212	521.230	0.154	0.004
Water Trucks										
	1000	0.415	1.779	6.365	0.005	0.187	0.172	516.939	0.153	0.004

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.248	3.233	3.933	0.005	0.136	0.125	568.831	0.170	0.005
Aerial Lifts	25	0.248	3.233	3.933	0.005	0.136	0.125	568.831	0.170	0.005
Aerial Lifts	50	0.248	3.233	3.933	0.005	0.136	0.125	568.831	0.170	0.005
Aerial Lifts	120	0.191	3.218	3.113	0.005	0.143	0.132	511.457	0.153	0.004
Aerial Lifts	500	0.239	0.988	4.621	0.005	0.102	0.094	511.392	0.153	0.004
Aerial Lifts	750	0.278	1.130	3.380	0.005	0.098	0.098	568.299	0.025	0.004
Air Compressors	15	0.840	3.658	5.196	0.008	0.311	0.311	568.299	0.075	0.005
Air Compressors	25	0.894	2.666	4.890	0.007	0.270	0.270	568.299	0.080	0.005
Air Compressors	50	1.868	5.968	5.223	0.007	0.459	0.459	568.299	0.168	0.005
Air Compressors	120	0.821	3.840	5.190	0.006	0.446	0.446	568.299	0.074	0.004
Air Compressors	175	0.571	3.218	4.504	0.006	0.245	0.245	568.299	0.051	0.004
Air Compressors	250	0.381	1.207	3.967	0.006	0.121	0.121	568.299	0.034	0.004
Air Compressors	500	0.354	1.198	3.455	0.005	0.113	0.113	568.300	0.032	0.004
Air Compressors	750	0.358	1.198	3.586	0.005	0.116	0.116	568.299	0.032	0.004
Air Compressors	1000	0.409	1.370	5.157	0.005	0.142	0.142	568.299	0.036	0.004
Bore/Drill Rigs	15	0.847	4.735	5.303	0.006	0.379	0.349	585.171	0.175	0.005
Bore/Drill Rigs	25	0.847	4.735	5.303	0.006	0.379	0.349	585.171	0.175	0.005
Bore/Drill Rigs	50	0.847	4.735	5.303	0.006	0.379	0.349	585.171	0.175	0.005
Bore/Drill Rigs	120	0.318	3.335	4.028	0.005	0.239	0.220	496.949	0.148	0.004
Bore/Drill Rigs	175	0.302	3.035	3.904	0.005	0.176	0.162	517.207	0.154	0.004
Bore/Drill Rigs	250	0.213	1.178	3.325	0.005	0.100	0.092	506.505	0.151	0.004
Bore/Drill Rigs	500	0.199	1.256	3.003	0.005	0.096	0.088	499.902	0.149	0.004
Bore/Drill Rigs	750	0.162	1.105	2.376	0.005	0.081	0.074	520.473	0.155	0.004
Bore/Drill Rigs	1000	0.109	0.956	2.994	0.005	0.059	0.054	511.253	0.153	0.004
Cement and Mortar Mixers	15	0.663	3.469	4.168	0.008	0.171	0.171	568.300	0.059	0.005
Cement and Mortar Mixers	25	0.811	2.531	4.712	0.007	0.240	0.240	568.299	0.073	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	50	1.470	5.165	4.989	0.007	0.386	0.386	568.299	0.132	0.005
Concrete/Industrial Saws	120	0.683	3.647	4.789	0.006	0.372	0.372	568.300	0.061	0.004
Concrete/Industrial Saws	175	0.475	3.077	4.112	0.006	0.207	0.207	568.299	0.042	0.004
Cranes	50	2.087	7.125	6.075	0.005	0.601	0.553	561.224	0.168	0.005
Cranes	120	1.214	4.884	10.060	0.005	0.747	0.687	508.837	0.152	0.004
Cranes	175	0.782	3.918	8.325	0.005	0.450	0.414	514.260	0.154	0.004
Cranes	250	0.642	2.653	7.622	0.005	0.348	0.320	512.448	0.153	0.004
Cranes	500	0.475	4.110	6.124	0.005	0.253	0.233	511.197	0.153	0.004
Cranes	750	0.286	1.643	4.312	0.005	0.152	0.140	510.334	0.152	0.004
Cranes	9999	0.131	0.957	2.295	0.005	0.055	0.051	511.392	0.153	0.004
Crawler Tractors	50	2.513	8.076	6.377	0.005	0.741	0.682	558.888	0.167	0.005
Crawler Tractors	120	0.885	4.189	7.494	0.005	0.630	0.580	516.843	0.154	0.004
Crawler Tractors	175	0.632	3.479	6.849	0.005	0.376	0.346	511.306	0.153	0.004
Crawler Tractors	250	0.451	1.816	6.143	0.005	0.237	0.218	512.897	0.153	0.004
Crawler Tractors	500	0.408	2.845	5.483	0.005	0.212	0.195	515.373	0.154	0.004
Crawler Tractors	750	0.351	1.664	4.883	0.005	0.179	0.165	512.540	0.153	0.004
Crawler Tractors	1000	0.479	2.088	7.463	0.005	0.220	0.202	514.830	0.154	0.004
Crushing/Proc. Equipment	50	1.796	5.996	5.195	0.007	0.446	0.446	568.299	0.162	0.005
Crushing/Proc. Equipment	120	0.797	3.859	5.040	0.006	0.430	0.430	568.299	0.071	0.004
Crushing/Proc. Equipment	175	0.562	3.247	4.343	0.006	0.237	0.237	568.299	0.050	0.004
Crushing/Proc. Equipment	250	0.382	1.201	3.801	0.006	0.117	0.117	568.299	0.034	0.004
Crushing/Proc. Equipment	500	0.358	1.184	3.304	0.005	0.109	0.109	568.299	0.032	0.004
Crushing/Proc. Equipment	750	0.358	1.176	3.422	0.005	0.111	0.111	568.299	0.032	0.004
Crushing/Proc. Equipment	9999	0.422	1.343	5.019	0.005	0.140	0.140	568.299	0.038	0.004
Dumpers/Tenders	25	0.696	2.350	4.402	0.007	0.187	0.187	568.299	0.062	0.005
Excavators	25	0.833	4.925	4.918	0.005	0.375	0.345	569.512	0.170	0.005
Excavators	50	0.833	4.925	4.918	0.005	0.375	0.345	569.512	0.170	0.005

Excavators	120	0.507	3.679	5.019	0.005	0.374	0.344	506.173	0.151	0.004
Excavators	175	0.384	3.168	4.481	0.005	0.221	0.204	511.687	0.153	0.004
Excavators	250	0.289	1.331	4.182	0.005	0.133	0.122	512.056	0.153	0.004
Excavators	500	0.232	1.317	3.214	0.005	0.104	0.096	509.868	0.152	0.004
Excavators	750	0.242	1.354	3.473	0.005	0.113	0.104	506.682	0.151	0.004
Forklifts	50	2.073	7.300	5.931	0.005	0.643	0.591	569.274	0.170	0.005
Forklifts	120	0.768	4.063	6.601	0.005	0.555	0.510	510.823	0.153	0.004
Forklifts	175	0.566	3.520	6.135	0.005	0.335	0.308	511.448	0.153	0.004
Forklifts	250	0.565	2.325	6.697	0.005	0.298	0.274	512.769	0.153	0.004
Forklifts	500	0.454	3.300	5.332	0.005	0.237	0.218	513.083	0.153	0.004
Generator Sets	15	0.747	3.658	5.141	0.008	0.280	0.280	568.299	0.067	0.005
Generator Sets	25	0.793	2.666	4.890	0.007	0.256	0.256	568.299	0.071	0.005
Generator Sets	50	1.281	4.538	4.858	0.007	0.353	0.353	568.299	0.115	0.005
Generator Sets	120	0.651	3.499	4.769	0.006	0.347	0.347	568.299	0.058	0.004
Generator Sets	175	0.440	2.938	4.138	0.006	0.191	0.191	568.299	0.039	0.004
Generator Sets	250	0.287	1.104	3.633	0.006	0.100	0.100	568.300	0.025	0.004
Generator Sets	500	0.258	1.114	3.231	0.005	0.094	0.094	568.299	0.023	0.004
Generator Sets	750	0.267	1.114	3.347	0.005	0.096	0.096	568.299	0.024	0.004
Generator Sets	9999	0.351	1.269	4.822	0.005	0.124	0.124	568.299	0.031	0.004
Graders	50	3.119	9.144	6.570	0.005	0.874	0.804	533.681	0.159	0.005
Graders	120	1.239	4.884	9.738	0.005	0.813	0.748	509.597	0.152	0.004
Graders	175	0.844	3.958	8.637	0.005	0.486	0.447	522.218	0.156	0.004
Graders	250	0.396	1.466	5.728	0.005	0.186	0.171	517.128	0.154	0.004
Graders	500	0.326	1.791	3.721	0.005	0.144	0.133	512.098	0.153	0.004
Graders	750	0.414	1.420	3.501	0.005	0.124	0.124	568.299	0.037	0.004
Off-Highway Tractors	120	0.674	3.965	6.067	0.005	0.494	0.455	515.320	0.154	0.004
Off-Highway Tractors	175	0.402	3.264	4.724	0.005	0.239	0.220	512.608	0.153	0.004
Off-Highway Tractors	250	0.400	1.605	5.528	0.005	0.199	0.183	509.190	0.152	0.004
Off-Highway Tractors	750	0.262	1.172	3.874	0.005	0.126	0.116	511.081	0.153	0.004
Off-Highway Tractors	1000	0.096	0.960	2.300	0.005	0.056	0.051	511.392	0.153	0.004
Off-Highway Trucks	175	0.508	3.489	5.104	0.005	0.284	0.262	508.701	0.152	0.004
Off-Highway Trucks	250	0.473	1.900	5.242	0.005	0.227	0.209	507.809	0.152	0.004
Off-Highway Trucks	500	0.385	2.037	4.528	0.005	0.173	0.159	515.842	0.154	0.004
Off-Highway Trucks	750	0.452	2.620	5.124	0.005	0.209	0.192	514.644	0.154	0.004
Off-Highway Trucks	1000	0.411	1.772	6.280	0.005	0.185	0.170	511.137	0.153	0.004
Other Construction Equipment	15	1.309	5.681	5.564	0.005	0.503	0.463	573.020	0.171	0.005
Other Construction Equipment	25	1.309	5.681	5.564	0.005	0.503	0.463	573.020	0.171	0.005
Other Construction Equipment	50	1.309	5.681	5.564	0.005	0.503	0.463	573.020	0.171	0.005
Other Construction Equipment	120	0.723	3.916	6.536	0.005	0.512	0.471	510.171	0.152	0.004
Other Construction Equipment	175	0.557	3.382	6.231	0.005	0.326	0.300	509.307	0.152	0.004
Other Construction Equipment	500	0.324	2.407	4.415	0.005	0.163	0.150	515.195	0.154	0.004
Other General Industrial Equipment	15	1.495	6.325	5.524	0.005	0.532	0.490	570.024	0.170	0.005
Other General Industrial Equipment	25	1.495	6.325	5.524	0.005	0.532	0.490	570.024	0.170	0.005
Other General Industrial Equipment	50	1.495	6.325	5.524	0.005	0.532	0.490	570.024	0.170	0.005
Other General Industrial Equipment	120	0.761	4.081	6.502	0.005	0.553	0.509	509.166	0.152	0.004
Other General Industrial Equipment	175	0.495	3.454	5.397	0.005	0.294	0.270	511.171	0.153	0.004
Other General Industrial Equipment	250	0.452	1.926	5.643	0.005	0.230	0.211	512.658	0.153	0.004
Other General Industrial Equipment	500	0.353	2.436	4.425	0.005	0.167	0.154	512.340	0.153	0.004
Other General Industrial Equipment	750	0.251	1.491	3.365	0.005	0.109	0.100	512.919	0.153	0.004

Other General Industrial Equipment	1000	0.355	1.094	6.448	0.005	0.171	0.158	511.392	0.153	0.004
Other Material Handling Equipment	50	1.733	6.756	5.799	0.005	0.586	0.539	567.351	0.169	0.005
Other Material Handling Equipment	120	0.528	3.758	4.983	0.005	0.383	0.352	513.054	0.153	0.004
Other Material Handling Equipment	175	0.525	3.433	5.645	0.005	0.306	0.282	511.571	0.153	0.004
Other Material Handling Equipment	250	0.423	1.742	5.532	0.005	0.207	0.191	510.772	0.153	0.004
Other Material Handling Equipment	500	0.333	1.918	4.272	0.005	0.166	0.152	509.489	0.152	0.004
Other Material Handling Equipment	9999	0.148	0.984	3.458	0.005	0.068	0.063	511.392	0.153	0.004
Pavers	25	1.853	6.340	5.637	0.005	0.579	0.533	571.086	0.171	0.005
Pavers	50	1.853	6.340	5.637	0.005	0.579	0.533	571.086	0.171	0.005
Pavers	120	0.680	3.788	6.141	0.005	0.479	0.441	509.377	0.152	0.004
Pavers	175	0.489	3.115	5.537	0.005	0.277	0.255	511.646	0.153	0.004
Pavers	250	0.214	1.031	4.161	0.005	0.107	0.098	513.468	0.153	0.004
Pavers	500	0.176	0.978	2.917	0.005	0.097	0.089	506.097	0.151	0.004
Paving Equipment	25	0.981	4.869	5.028	0.005	0.407	0.374	563.553	0.168	0.005
Paving Equipment	50	0.981	4.869	5.028	0.005	0.407	0.374	563.553	0.168	0.005
Paving Equipment	120	0.661	3.833	6.145	0.005	0.471	0.433	513.167	0.153	0.004
Paving Equipment	175	0.411	3.104	4.966	0.005	0.242	0.223	509.894	0.152	0.004
Paving Equipment	250	0.315	1.379	4.772	0.005	0.159	0.146	511.654	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.747	3.657	5.141	0.008	0.280	0.280	568.299	0.067	0.005
Pressure Washers	25	0.793	2.666	4.890	0.007	0.256	0.256	568.299	0.071	0.005
Pressure Washers	50	0.976	3.833	4.685	0.007	0.300	0.300	568.299	0.088	0.005
Pressure Washers	120	0.567	3.336	4.551	0.006	0.297	0.297	568.299	0.051	0.004
Pressure Washers	175	0.427	2.917	4.115	0.006	0.187	0.187	568.299	0.038	0.004
Pressure Washers	250	0.121	0.986	0.690	0.006	0.010	0.010	568.299	0.010	0.004
Pumps	15	0.840	3.658	5.196	0.008	0.311	0.311	568.299	0.075	0.005
Pumps	25	0.894	2.666	4.890	0.007	0.270	0.270	568.299	0.080	0.005
Pumps	50	1.384	4.775	4.916	0.007	0.371	0.371	568.300	0.124	0.005
Pumps	120	0.679	3.554	4.842	0.006	0.364	0.364	568.300	0.061	0.004
Pumps	175	0.461	2.983	4.202	0.006	0.200	0.200	568.299	0.041	0.004
Pumps	250	0.302	1.122	3.693	0.006	0.104	0.104	568.299	0.027	0.004
Pumps	500	0.273	1.134	3.272	0.005	0.097	0.097	568.299	0.024	0.004
Pumps	750	0.281	1.134	3.389	0.005	0.099	0.099	568.299	0.025	0.004
Pumps	9999	0.363	1.293	4.878	0.005	0.127	0.127	568.299	0.032	0.004
Rollers	15	1.311	5.290	5.365	0.005	0.481	0.443	569.921	0.170	0.005
Rollers	25	1.311	5.290	5.365	0.005	0.481	0.443	569.921	0.170	0.005
Rollers	50	1.311	5.290	5.365	0.005	0.481	0.443	569.921	0.170	0.005
Rollers	120	0.683	3.809	6.272	0.005	0.467	0.430	513.505	0.153	0.004
Rollers	175	0.364	3.006	4.630	0.005	0.216	0.198	511.394	0.153	0.004
Rollers	250	0.347	1.650	4.932	0.005	0.171	0.157	512.823	0.153	0.004
Rollers	500	0.371	3.245	5.031	0.005	0.195	0.179	517.285	0.154	0.004
Rough Terrain Forklifts	50	1.189	4.933	5.190	0.005	0.431	0.397	569.488	0.170	0.005
Rough Terrain Forklifts	120	0.338	3.366	4.280	0.005	0.247	0.228	512.086	0.153	0.004
Rough Terrain Forklifts	175	0.217	2.859	3.420	0.005	0.133	0.122	510.854	0.153	0.004
Rough Terrain Forklifts	250	0.140	1.012	2.463	0.005	0.058	0.054	512.164	0.153	0.004
Rough Terrain Forklifts	500	0.174	0.958	3.521	0.005	0.077	0.071	506.435	0.151	0.004
Rubber Tired Dozers	175	0.965	4.238	9.844	0.005	0.564	0.519	513.055	0.153	0.004
Rubber Tired Dozers	250	0.728	2.720	7.984	0.005	0.394	0.362	514.736	0.154	0.004
Rubber Tired Dozers	500	0.708	6.102	7.997	0.005	0.373	0.343	519.147	0.155	0.004
Rubber Tired Dozers	750	0.518	2.761	7.158	0.005	0.259	0.238	512.525	0.153	0.004
Rubber Tired Dozers	1000	0.661	2.901	6.556	0.005	0.222	0.222	568.299	0.059	0.004
Rubber Tired Loaders	25	2.108	7.834	6.112	0.005	0.675	0.621	567.672	0.170	0.005
Rubber Tired Loaders	50	2.108	7.834	6.112	0.005	0.675	0.621	567.672	0.170	0.005
Rubber Tired Loaders	120	0.856	4.274	7.012	0.005	0.606	0.558	505.023	0.151	0.004
Rubber Tired Loaders	175	0.595	3.588	6.097	0.005	0.341	0.313	510.468	0.152	0.004
Rubber Tired Loaders	250	0.406	1.480	5.369	0.005	0.183	0.169	508.913	0.152	0.004

Rubber Tired Loaders	500	0.415	2.332	5.020	0.005	0.190	0.174	506.372	0.151	0.004
Rubber Tired Loaders	750	0.395	1.789	4.556	0.005	0.179	0.165	495.310	0.148	0.004
Rubber Tired Loaders	1000	0.420	1.462	6.713	0.005	0.197	0.181	510.045	0.152	0.004
Scrapers	120	0.731	4.137	7.105	0.005	0.535	0.492	524.560	0.157	0.004
Scrapers	175	0.714	3.809	7.765	0.005	0.415	0.382	518.829	0.155	0.004
Scrapers	250	0.730	3.008	8.663	0.005	0.395	0.364	507.570	0.152	0.004
Scrapers	500	0.472	3.788	6.086	0.005	0.246	0.226	511.947	0.153	0.004
Scrapers	750	0.360	2.685	4.839	0.005	0.182	0.167	512.084	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.461	5.068	4.943	0.007	0.382	0.382	568.299	0.131	0.005
Signal Boards	120	0.687	3.624	4.791	0.006	0.371	0.371	568.299	0.062	0.004
Signal Boards	175	0.474	3.052	4.136	0.006	0.205	0.205	568.299	0.042	0.004
Signal Boards	250	0.380	1.371	4.365	0.007	0.127	0.127	686.695	0.034	0.004
Skid Steer Loaders	25	0.639	4.004	4.436	0.005	0.267	0.246	571.420	0.171	0.005
Skid Steer Loaders	50	0.639	4.004	4.436	0.005	0.267	0.246	571.420	0.171	0.005
Skid Steer Loaders	120	0.294	3.338	3.811	0.005	0.220	0.203	511.595	0.153	0.004
Surfacing Equipment	50	1.028	4.692	5.255	0.006	0.402	0.370	576.771	0.172	0.005
Surfacing Equipment	120	0.548	3.575	5.374	0.005	0.378	0.348	510.142	0.152	0.004
Surfacing Equipment	175	0.477	3.027	5.733	0.005	0.276	0.254	510.548	0.152	0.004
Surfacing Equipment	250	0.310	1.442	5.112	0.005	0.151	0.139	516.058	0.154	0.004
Surfacing Equipment	500	0.241	1.513	3.900	0.005	0.127	0.116	508.399	0.152	0.004
Surfacing Equipment	750	0.178	1.024	3.287	0.005	0.104	0.096	511.116	0.153	0.004
Sweepers/Scrubbers	15	1.808	6.754	5.772	0.005	0.611	0.562	569.106	0.170	0.005
Sweepers/Scrubbers	25	1.808	6.754	5.772	0.005	0.611	0.562	569.106	0.170	0.005
Sweepers/Scrubbers	50	1.808	6.754	5.772	0.005	0.611	0.562	569.106	0.170	0.005
Sweepers/Scrubbers	120	0.833	4.097	6.886	0.005	0.610	0.561	513.625	0.153	0.004
Sweepers/Scrubbers	175	0.839	3.982	8.697	0.005	0.479	0.441	512.549	0.153	0.004
Sweepers/Scrubbers	250	0.513	2.078	6.745	0.005	0.268	0.246	509.304	0.152	0.004
Tractors/Loaders/Backhoes	25	1.307	5.791	5.320	0.005	0.477	0.439	558.709	0.167	0.005
Tractors/Loaders/Backhoes	50	1.307	5.791	5.320	0.005	0.477	0.439	558.709	0.167	0.005
Tractors/Loaders/Backhoes	120	0.569	3.832	5.422	0.005	0.424	0.390	517.365	0.155	0.004
Tractors/Loaders/Backhoes	175	0.421	3.256	4.836	0.005	0.244	0.225	508.682	0.152	0.004
Tractors/Loaders/Backhoes	250	0.326	1.374	4.783	0.005	0.155	0.143	509.627	0.152	0.004
Tractors/Loaders/Backhoes	500	0.312	1.884	4.348	0.005	0.149	0.137	511.869	0.153	0.004
Tractors/Loaders/Backhoes	750	0.308	1.823	4.185	0.005	0.152	0.140	506.147	0.151	0.004
Trenchers	15	1.259	5.323	5.406	0.005	0.493	0.454	571.667	0.171	0.005
Trenchers	25	1.259	5.323	5.406	0.005	0.493	0.454	571.667	0.171	0.005
Trenchers	50	1.259	5.323	5.406	0.005	0.493	0.454	571.667	0.171	0.005
Trenchers	120	0.817	4.014	7.179	0.005	0.562	0.517	515.396	0.154	0.004
Trenchers	175	0.697	3.684	7.674	0.005	0.396	0.364	506.943	0.151	0.004
Trenchers	250	0.502	2.080	6.510	0.005	0.260	0.239	512.433	0.153	0.004
Trenchers	500	0.311	2.051	4.383	0.005	0.163	0.150	508.330	0.152	0.004
Trenchers	750	0.114	0.965	1.623	0.005	0.053	0.049	514.400	0.154	0.004
Welders	15	0.840	3.658	5.196	0.008	0.311	0.311	568.299	0.075	0.005
Welders	25	0.894	2.666	4.890	0.007	0.270	0.270	568.299	0.080	0.005
Welders	50	1.715	5.562	5.113	0.007	0.430	0.430	568.300	0.154	0.005
Welders	120	0.772	3.738	5.077	0.006	0.419	0.419	568.299	0.069	0.004
Welders	175	0.532	3.133	4.408	0.006	0.230	0.230	568.299	0.048	0.004
Welders	250	0.352	1.178	3.880	0.006	0.116	0.116	568.299	0.031	0.004
Welders	500	0.324	1.176	3.398	0.005	0.108	0.108	568.299	0.029	0.004
Water Trucks	175	0.508	3.489	5.104	0.005	0.284	0.262	508.701	0.152	0.004
Water Trucks	250	0.473	1.900	5.242	0.005	0.227	0.209	507.809	0.152	0.004
Water Trucks	500	0.385	2.037	4.528	0.005	0.173	0.159	515.842	0.154	0.004
Water Trucks	750	0.452	2.620	5.124	0.005	0.209	0.192	514.644	0.154	0.004
Water Trucks	1000	0.411	1.772	6.280	0.005	0.185	0.170	511.137	0.153	0.004

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.228	3.197	3.676	0.005	0.105	0.096	562.996	0.170	0.005
Aerial Lifts	25	0.228	3.197	3.676	0.005	0.105	0.096	562.996	0.170	0.005
Aerial Lifts	50	0.228	3.197	3.676	0.005	0.105	0.096	562.996	0.170	0.005
Aerial Lifts	120	0.166	3.201	2.722	0.005	0.112	0.103	506.211	0.153	0.004
Aerial Lifts	500	0.243	0.992	4.639	0.005	0.103	0.095	506.147	0.153	0.004
Aerial Lifts	750	0.257	1.089	3.015	0.005	0.088	0.088	568.299	0.023	0.004
Air Compressors										
	15	0.809	3.622	5.023	0.008	0.289	0.289	568.299	0.073	0.005
Air Compressors										
	25	0.855	2.604	4.803	0.007	0.255	0.255	568.299	0.077	0.005
Air Compressors										
	50	1.670	5.779	5.042	0.007	0.415	0.415	568.299	0.150	0.005
Air Compressors										
	120	0.744	3.804	4.790	0.006	0.397	0.397	568.299	0.067	0.004
Air Compressors										
	175	0.522	3.211	4.052	0.006	0.219	0.219	568.299	0.047	0.004
Air Compressors										
	250	0.359	1.182	3.553	0.006	0.109	0.109	568.299	0.032	0.004
Air Compressors										
	500	0.337	1.155	3.080	0.005	0.102	0.102	568.299	0.030	0.004
Air Compressors										
	750	0.340	1.155	3.201	0.005	0.104	0.104	568.299	0.030	0.004
Air Compressors										
	1000	0.383	1.295	4.854	0.005	0.131	0.131	568.299	0.034	0.004
Bore/Drill Rigs										
	15	0.869	4.797	5.298	0.006	0.383	0.352	579.326	0.175	0.005
Bore/Drill Rigs										
	25	0.869	4.797	5.298	0.006	0.383	0.352	579.326	0.175	0.005
Bore/Drill Rigs										
	50	0.869	4.797	5.298	0.006	0.383	0.352	579.326	0.175	0.005
Bore/Drill Rigs										
	120	0.307	3.326	3.821	0.005	0.221	0.204	491.655	0.148	0.004
Bore/Drill Rigs										
	175	0.286	3.023	3.616	0.005	0.162	0.149	511.433	0.154	0.004
Bore/Drill Rigs										
	250	0.193	1.133	2.902	0.005	0.085	0.078	502.128	0.152	0.004
Bore/Drill Rigs										
	500	0.171	1.133	2.510	0.005	0.077	0.071	494.761	0.149	0.004
Bore/Drill Rigs										
	750	0.153	1.120	2.166	0.005	0.072	0.066	514.883	0.155	0.004
Bore/Drill Rigs										
	1000	0.115	0.964	3.008	0.005	0.059	0.055	506.000	0.153	0.004
Cement and Mortar Mixers										
	15	0.662	3.469	4.153	0.008	0.167	0.167	568.300	0.059	0.005
Cement and Mortar Mixers										
	25	0.788	2.496	4.636	0.007	0.227	0.227	568.299	0.071	0.005
Concrete/Industrial Saws										
	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws										
	50	1.322	5.029	4.818	0.007	0.350	0.350	568.300	0.119	0.005
Concrete/Industrial Saws										
	120	0.620	3.620	4.432	0.006	0.333	0.333	568.300	0.055	0.004
Concrete/Industrial Saws										
	175	0.435	3.074	3.708	0.006	0.186	0.186	568.299	0.039	0.004
Cranes										
	50	2.130	7.268	6.110	0.005	0.610	0.561	555.441	0.168	0.005
Cranes										
	120	1.154	4.797	9.608	0.005	0.710	0.653	503.599	0.152	0.004
Cranes										
	175	0.744	3.862	7.887	0.005	0.427	0.393	508.952	0.154	0.004
Cranes										
	250	0.623	2.582	7.381	0.005	0.335	0.308	507.155	0.153	0.004
Cranes										
	500	0.443	3.834	5.649	0.005	0.233	0.215	506.088	0.153	0.004
Cranes										
	750	0.292	1.650	4.314	0.005	0.153	0.141	505.070	0.152	0.004
Cranes										
	9999	0.142	0.966	2.309	0.005	0.057	0.052	506.147	0.153	0.004
Crawler Tractors										
	50	2.519	8.104	6.317	0.005	0.733	0.674	553.214	0.167	0.005
Crawler Tractors										
	120	0.869	4.185	7.346	0.005	0.619	0.570	511.268	0.154	0.004
Crawler Tractors										
	175	0.624	3.482	6.721	0.005	0.371	0.341	506.034	0.153	0.004
Crawler Tractors										
	250	0.449	1.803	6.047	0.005	0.233	0.215	507.355	0.153	0.004
Crawler Tractors										
	500	0.398	2.744	5.279	0.005	0.205	0.188	510.339	0.154	0.004
Crawler Tractors										
	750	0.346	1.621	4.724	0.005	0.174	0.160	507.253	0.153	0.004
Crawler Tractors										
	1000	0.483	2.094	7.499	0.005	0.222	0.204	509.667	0.154	0.004
Crushing/Proc. Equipment										
	50	1.593	5.801	5.006	0.007	0.399	0.399	568.299	0.143	0.005
Crushing/Proc. Equipment										
	120	0.720	3.823	4.631	0.006	0.379	0.379	568.299	0.065	0.004
Crushing/Proc. Equipment										
	175	0.513	3.241	3.883	0.006	0.210	0.210	568.299	0.046	0.004
Crushing/Proc. Equipment										
	250	0.360	1.178	3.381	0.006	0.105	0.105	568.299	0.032	0.004
Crushing/Proc. Equipment										
	500	0.340	1.146	2.928	0.005	0.098	0.098	568.299	0.030	0.004
Crushing/Proc. Equipment										
	750	0.339	1.140	3.021	0.005	0.099	0.099	568.299	0.030	0.004
Crushing/Proc. Equipment										
	9999	0.397	1.274	4.700	0.005	0.127	0.127	568.299	0.035	0.004
Dumpers/Tenders										
	25	0.690	2.342	4.378	0.007	0.175	0.175	568.299	0.062	0.005
Excavators										
	25	0.815	4.942	4.824	0.005	0.359	0.330	563.803	0.170	0.005
Excavators										
	50	0.815	4.942	4.824	0.005	0.359	0.330	563.803	0.170	0.005

Excavators	120	0.476	3.661	4.708	0.005	0.344	0.317	500.966	0.151	0.004
Excavators	175	0.358	3.158	4.081	0.005	0.201	0.185	506.495	0.153	0.004
Excavators	250	0.262	1.277	3.667	0.005	0.116	0.107	506.544	0.153	0.004
Excavators	500	0.213	1.233	2.815	0.005	0.091	0.083	504.290	0.152	0.004
Excavators	750	0.242	1.349	3.358	0.005	0.110	0.101	501.660	0.151	0.004
Forklifts	50	1.864	6.935	5.662	0.005	0.583	0.537	563.435	0.170	0.005
Forklifts	120	0.723	4.023	6.222	0.005	0.520	0.479	505.583	0.153	0.004
Forklifts	175	0.530	3.473	5.675	0.005	0.310	0.285	506.203	0.153	0.004
Forklifts	250	0.539	2.226	6.353	0.005	0.280	0.258	507.510	0.153	0.004
Forklifts	500	0.353	2.572	4.042	0.005	0.174	0.160	507.821	0.153	0.004
Generator Sets	15	0.720	3.622	4.978	0.008	0.264	0.264	568.299	0.065	0.005
Generator Sets	25	0.773	2.604	4.803	0.007	0.244	0.244	568.299	0.069	0.005
Generator Sets	50	1.146	4.410	4.685	0.007	0.318	0.318	568.299	0.103	0.005
Generator Sets	120	0.583	3.469	4.410	0.006	0.309	0.309	568.299	0.052	0.004
Generator Sets	175	0.396	2.934	3.731	0.006	0.170	0.170	568.299	0.035	0.004
Generator Sets	250	0.265	1.081	3.259	0.006	0.090	0.090	568.299	0.023	0.004
Generator Sets	500	0.239	1.077	2.882	0.005	0.084	0.084	568.299	0.021	0.004
Generator Sets	750	0.247	1.077	2.989	0.005	0.086	0.086	568.300	0.022	0.004
Generator Sets	9999	0.324	1.204	4.542	0.005	0.113	0.113	568.299	0.029	0.004
Graders	50	3.085	9.106	6.520	0.005	0.864	0.795	528.244	0.159	0.005
Graders	120	1.193	4.829	9.415	0.005	0.780	0.718	503.161	0.152	0.004
Graders	175	0.810	3.916	8.250	0.005	0.464	0.426	516.131	0.156	0.004
Graders	250	0.398	1.459	5.663	0.005	0.184	0.169	511.696	0.154	0.004
Graders	500	0.334	1.774	3.686	0.005	0.144	0.133	506.506	0.153	0.004
Graders	750	0.393	1.367	3.154	0.005	0.112	0.112	568.299	0.035	0.004
Off-Highway Tractors	120	0.625	3.925	5.647	0.005	0.454	0.418	509.447	0.154	0.004
Off-Highway Tractors	175	0.391	3.278	4.511	0.005	0.229	0.211	507.629	0.153	0.004
Off-Highway Tractors	250	0.359	1.472	4.930	0.005	0.171	0.157	504.123	0.152	0.004
Off-Highway Tractors	750	0.252	1.143	3.573	0.005	0.117	0.108	505.762	0.153	0.004
Off-Highway Tractors	1000	0.107	0.973	2.320	0.005	0.057	0.053	506.147	0.153	0.004
Off-Highway Trucks	175	0.473	3.459	4.647	0.005	0.258	0.237	503.552	0.152	0.004
Off-Highway Trucks	250	0.446	1.824	4.826	0.005	0.208	0.191	502.473	0.152	0.004
Off-Highway Trucks	500	0.351	1.885	4.048	0.005	0.153	0.141	509.860	0.154	0.004
Off-Highway Trucks	750	0.418	2.436	4.642	0.005	0.187	0.172	508.392	0.153	0.004
Off-Highway Trucks	1000	0.393	1.707	6.035	0.005	0.175	0.161	505.722	0.153	0.004
Other Construction Equipment	15	1.281	5.677	5.499	0.005	0.492	0.453	566.978	0.171	0.005
Other Construction Equipment	25	1.281	5.677	5.499	0.005	0.492	0.453	566.978	0.171	0.005
Other Construction Equipment	50	1.281	5.677	5.499	0.005	0.492	0.453	566.978	0.171	0.005
Other Construction Equipment	120	0.703	3.909	6.325	0.005	0.496	0.456	505.349	0.152	0.004
Other Construction Equipment	175	0.524	3.357	5.818	0.005	0.306	0.282	503.964	0.152	0.004
Other Construction Equipment	500	0.308	2.285	4.090	0.005	0.151	0.139	509.706	0.154	0.004
Other General Industrial Equipment	15	1.421	6.259	5.407	0.005	0.507	0.466	564.178	0.170	0.005
Other General Industrial Equipment	25	1.421	6.259	5.407	0.005	0.507	0.466	564.178	0.170	0.005
Other General Industrial Equipment	50	1.421	6.259	5.407	0.005	0.507	0.466	564.178	0.170	0.005
Other General Industrial Equipment	120	0.716	4.045	6.144	0.005	0.518	0.476	503.944	0.152	0.004
Other General Industrial Equipment	175	0.470	3.437	5.055	0.005	0.276	0.254	505.928	0.153	0.004
Other General Industrial Equipment	250	0.437	1.867	5.407	0.005	0.217	0.200	507.400	0.153	0.004
Other General Industrial Equipment	500	0.342	2.367	4.150	0.005	0.159	0.146	507.085	0.153	0.004
Other General Industrial Equipment	750	0.243	1.491	3.102	0.005	0.100	0.092	507.658	0.153	0.004

Other General Industrial Equipment										
	1000	0.242	1.045	4.746	0.005	0.112	0.103	506.147	0.153	0.004
Other Material Handling Equipment										
	50	1.765	6.892	5.802	0.005	0.593	0.546	561.532	0.169	0.005
Other Material Handling Equipment										
	120	0.514	3.766	4.798	0.005	0.367	0.338	507.792	0.153	0.004
Other Material Handling Equipment										
	175	0.489	3.418	5.212	0.005	0.280	0.257	506.324	0.153	0.004
Other Material Handling Equipment										
	250	0.398	1.643	5.196	0.005	0.189	0.174	505.534	0.153	0.004
Other Material Handling Equipment										
	500	0.323	1.871	4.053	0.005	0.156	0.143	504.263	0.152	0.004
Other Material Handling Equipment										
	9999	0.159	0.997	3.489	0.005	0.070	0.065	506.147	0.153	0.004
Pavers	25	1.827	6.340	5.579	0.005	0.569	0.523	565.234	0.171	0.005
Pavers	50	1.827	6.340	5.579	0.005	0.569	0.523	565.234	0.171	0.005
Pavers	120	0.650	3.769	5.886	0.005	0.457	0.420	503.780	0.152	0.004
Pavers	175	0.433	3.080	4.874	0.005	0.242	0.223	506.540	0.153	0.004
Pavers	250	0.214	1.036	4.024	0.005	0.104	0.096	508.070	0.153	0.004
Pavers	500	0.180	0.983	2.885	0.005	0.096	0.089	500.936	0.151	0.004
Paving Equipment	25	0.991	4.937	4.985	0.005	0.404	0.371	557.706	0.168	0.005
Paving Equipment	50	0.991	4.937	4.985	0.005	0.404	0.371	557.706	0.168	0.005
Paving Equipment	120	0.623	3.796	5.733	0.005	0.438	0.403	507.910	0.153	0.004
Paving Equipment	175	0.372	3.081	4.322	0.005	0.215	0.197	504.820	0.152	0.004
Paving Equipment	250	0.297	1.331	4.428	0.005	0.148	0.136	506.197	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.720	3.622	4.978	0.008	0.264	0.264	568.299	0.065	0.005
Pressure Washers	25	0.773	2.604	4.803	0.007	0.244	0.244	568.299	0.069	0.005
Pressure Washers	50	0.865	3.729	4.515	0.007	0.269	0.269	568.299	0.078	0.005
Pressure Washers	120	0.504	3.308	4.209	0.006	0.264	0.264	568.299	0.045	0.004
Pressure Washers	175	0.386	2.913	3.726	0.006	0.168	0.168	568.299	0.034	0.004
Pressure Washers	250	0.107	0.986	0.399	0.006	0.009	0.009	568.299	0.009	0.004
Pumps	15	0.809	3.622	5.023	0.008	0.289	0.289	568.299	0.073	0.005
Pumps	25	0.855	2.604	4.803	0.007	0.255	0.255	568.299	0.077	0.005
Pumps	50	1.240	4.640	4.742	0.007	0.335	0.335	568.299	0.111	0.005
Pumps	120	0.610	3.523	4.478	0.006	0.325	0.325	568.299	0.055	0.004
Pumps	175	0.417	2.978	3.789	0.006	0.179	0.179	568.299	0.037	0.004
Pumps	250	0.280	1.099	3.313	0.006	0.094	0.094	568.299	0.025	0.004
Pumps	500	0.254	1.093	2.919	0.005	0.088	0.088	568.299	0.022	0.004
Pumps	750	0.262	1.093	3.028	0.005	0.089	0.089	568.299	0.023	0.004
Pumps	9999	0.335	1.223	4.596	0.005	0.116	0.116	568.300	0.030	0.004
Rollers	15	1.259	5.231	5.236	0.005	0.459	0.423	563.972	0.170	0.005
Rollers	25	1.259	5.231	5.236	0.005	0.459	0.423	563.972	0.170	0.005
Rollers	50	1.259	5.231	5.236	0.005	0.459	0.423	563.972	0.170	0.005
Rollers	120	0.628	3.755	5.806	0.005	0.428	0.393	508.199	0.153	0.004
Rollers	175	0.338	2.993	4.239	0.005	0.197	0.181	505.904	0.153	0.004
Rollers	250	0.308	1.507	4.395	0.005	0.150	0.138	507.694	0.153	0.004
Rollers	500	0.334	2.956	4.456	0.005	0.173	0.159	513.415	0.155	0.004
Rough Terrain Forklifts	50	1.159	4.918	5.099	0.005	0.415	0.382	563.360	0.170	0.005
Rough Terrain Forklifts	120	0.302	3.342	3.840	0.005	0.213	0.196	507.066	0.153	0.004
Rough Terrain Forklifts	175	0.209	2.865	3.209	0.005	0.124	0.115	505.596	0.153	0.004
Rough Terrain Forklifts	250	0.144	1.018	2.468	0.005	0.059	0.054	506.896	0.153	0.004
Rough Terrain Forklifts	500	0.178	0.962	3.542	0.005	0.078	0.072	501.213	0.151	0.004
Rubber Tired Dozers	175	0.968	4.249	9.853	0.005	0.566	0.521	507.774	0.153	0.004
Rubber Tired Dozers	250	0.736	2.729	7.995	0.005	0.395	0.364	509.462	0.154	0.004
Rubber Tired Dozers	500	0.688	5.828	7.710	0.005	0.359	0.330	513.311	0.155	0.004
Rubber Tired Dozers	750	0.523	2.765	7.168	0.005	0.260	0.239	507.260	0.153	0.004
Rubber Tired Dozers	1000	0.631	2.723	6.277	0.005	0.208	0.208	568.300	0.057	0.004
Rubber Tired Loaders	25	2.055	7.791	6.053	0.005	0.660	0.607	561.903	0.170	0.005
Rubber Tired Loaders	50	2.055	7.791	6.053	0.005	0.660	0.607	561.903	0.170	0.005
Rubber Tired Loaders	120	0.803	4.212	6.583	0.005	0.565	0.520	499.594	0.151	0.004
Rubber Tired Loaders	175	0.565	3.562	5.726	0.005	0.319	0.294	505.131	0.152	0.004
Rubber Tired Loaders	250	0.393	1.452	5.115	0.005	0.175	0.161	503.654	0.152	0.004

Rubber Tired Loaders										
	500	0.391	2.155	4.627	0.005	0.174	0.160	500.431	0.151	0.004
Rubber Tired Loaders										
	750	0.373	1.703	4.172	0.005	0.164	0.151	491.918	0.148	0.004
Rubber Tired Loaders										
	1000	0.425	1.464	6.724	0.005	0.198	0.182	504.780	0.152	0.004
Scrapers	120	0.742	4.173	7.143	0.005	0.543	0.500	519.167	0.157	0.004
Scrapers	175	0.688	3.781	7.384	0.005	0.397	0.365	513.436	0.155	0.004
Scrapers	250	0.684	2.840	8.109	0.005	0.367	0.338	502.255	0.152	0.004
Scrapers	500	0.452	3.606	5.757	0.005	0.232	0.214	506.350	0.153	0.004
Scrapers	750	0.340	2.482	4.484	0.005	0.168	0.154	506.638	0.153	0.004
Signal Boards										
	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards										
	50	1.306	4.921	4.761	0.007	0.343	0.343	568.299	0.117	0.005
Signal Boards										
	120	0.618	3.594	4.414	0.006	0.330	0.330	568.299	0.055	0.004
Signal Boards										
	175	0.430	3.047	3.708	0.006	0.183	0.183	568.299	0.038	0.004
Signal Boards										
	250	0.354	1.344	3.894	0.007	0.114	0.114	686.695	0.031	0.004
Skid Steer Loaders										
	25	0.599	3.957	4.268	0.005	0.241	0.221	565.228	0.171	0.005
Skid Steer Loaders										
	50	0.599	3.957	4.268	0.005	0.241	0.221	565.228	0.171	0.005
Skid Steer Loaders										
	120	0.273	3.328	3.534	0.005	0.197	0.182	506.297	0.153	0.004
Surfacing Equipment										
	50	1.045	4.763	5.273	0.006	0.406	0.374	570.815	0.172	0.005
Surfacing Equipment										
	120	0.522	3.550	5.051	0.005	0.349	0.321	505.087	0.152	0.004
Surfacing Equipment										
	175	0.458	3.006	5.458	0.005	0.265	0.244	504.558	0.152	0.004
Surfacing Equipment										
	250	0.307	1.429	5.048	0.005	0.148	0.137	510.706	0.154	0.004
Surfacing Equipment										
	500	0.217	1.425	3.468	0.005	0.111	0.102	502.471	0.152	0.004
Surfacing Equipment										
	750	0.162	1.000	2.880	0.005	0.093	0.085	506.967	0.153	0.004
Sweepers/Scrubbers										
	15	1.781	6.785	5.726	0.005	0.603	0.555	563.269	0.170	0.005
Sweepers/Scrubbers										
	25	1.781	6.785	5.726	0.005	0.603	0.555	563.269	0.170	0.005
Sweepers/Scrubbers										
	50	1.781	6.785	5.726	0.005	0.603	0.555	563.269	0.170	0.005
Sweepers/Scrubbers										
	120	0.783	4.059	6.454	0.005	0.571	0.525	508.357	0.153	0.004
Sweepers/Scrubbers										
	175	0.746	3.839	7.787	0.005	0.419	0.385	507.292	0.153	0.004
Sweepers/Scrubbers										
	250	0.521	2.089	6.782	0.005	0.270	0.248	504.080	0.152	0.004
Tractors/Loaders/Backhoes										
	25	1.250	5.741	5.214	0.005	0.455	0.418	553.400	0.167	0.005
Tractors/Loaders/Backhoes										
	50	1.250	5.741	5.214	0.005	0.455	0.418	553.400	0.167	0.005
Tractors/Loaders/Backhoes										
	120	0.538	3.811	5.142	0.005	0.396	0.364	511.346	0.154	0.004
Tractors/Loaders/Backhoes										
	175	0.389	3.232	4.379	0.005	0.222	0.204	502.629	0.152	0.004
Tractors/Loaders/Backhoes										
	250	0.311	1.347	4.426	0.005	0.145	0.133	504.401	0.152	0.004
Tractors/Loaders/Backhoes										
	500	0.284	1.786	3.787	0.005	0.131	0.121	505.270	0.152	0.004
Tractors/Loaders/Backhoes										
	750	0.300	1.674	4.022	0.005	0.144	0.133	500.955	0.151	0.004
Trenchers	15	1.219	5.285	5.298	0.005	0.475	0.437	565.994	0.171	0.005
Trenchers	25	1.219	5.285	5.298	0.005	0.475	0.437	565.994	0.171	0.005
Trenchers	50	1.219	5.285	5.298	0.005	0.475	0.437	565.994	0.171	0.005
Trenchers	120	0.788	3.988	6.902	0.005	0.541	0.498	509.903	0.154	0.004
Trenchers	175	0.583	3.507	6.503	0.005	0.328	0.302	501.781	0.151	0.004
Trenchers	250	0.487	2.030	6.312	0.005	0.251	0.231	507.145	0.153	0.004
Trenchers	500	0.296	1.966	4.099	0.005	0.150	0.138	504.410	0.152	0.004
Trenchers	750	0.120	0.971	1.630	0.005	0.054	0.050	509.143	0.154	0.004
Welders	15	0.809	3.622	5.023	0.008	0.289	0.289	568.299	0.073	0.005
Welders	25	0.855	2.604	4.803	0.007	0.255	0.255	568.299	0.077	0.005
Welders	50	1.540	5.395	4.936	0.007	0.389	0.389	568.299	0.138	0.005
Welders	120	0.699	3.705	4.692	0.006	0.375	0.375	568.300	0.063	0.004
Welders	175	0.486	3.128	3.973	0.006	0.206	0.206	568.299	0.043	0.004
Welders	250	0.330	1.153	3.481	0.006	0.104	0.104	568.299	0.029	0.004
Welders	500	0.306	1.134	3.032	0.005	0.097	0.097	568.299	0.027	0.004
Water Trucks										
	175	0.473	3.459	4.647	0.005	0.258	0.237	503.552	0.152	0.004
Water Trucks										
	250	0.446	1.824	4.826	0.005	0.208	0.191	502.473	0.152	0.004
Water Trucks										
	500	0.351	1.885	4.048	0.005	0.153	0.141	509.860	0.154	0.004
Water Trucks										
	750	0.418	2.436	4.642	0.005	0.187	0.172	508.392	0.153	0.004
Water Trucks										
	1000	0.393	1.707	6.035	0.005	0.175	0.161	505.722	0.153	0.004

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.209	3.169	3.470	0.005	0.079	0.073	554.245	0.170	0.005
Aerial Lifts	25	0.209	3.169	3.470	0.005	0.079	0.073	554.245	0.170	0.005
Aerial Lifts	50	0.209	3.169	3.470	0.005	0.079	0.073	554.245	0.170	0.005
Aerial Lifts	120	0.143	3.184	2.364	0.005	0.083	0.077	498.343	0.153	0.004
Aerial Lifts	500	0.246	0.997	4.658	0.005	0.105	0.096	498.280	0.153	0.004
Aerial Lifts	750	0.239	1.059	2.680	0.005	0.079	0.079	568.299	0.021	0.004
Air Compressors										
	15	0.786	3.599	4.887	0.008	0.272	0.272	568.299	0.070	0.005
Air Compressors										
	25	0.830	2.564	4.729	0.007	0.243	0.243	568.299	0.074	0.005
Air Compressors										
	50	1.481	5.604	4.871	0.007	0.371	0.371	568.299	0.133	0.005
Air Compressors										
	120	0.671	3.772	4.412	0.006	0.350	0.350	568.299	0.060	0.004
Air Compressors										
	175	0.477	3.207	3.627	0.006	0.194	0.194	568.299	0.043	0.004
Air Compressors										
	250	0.339	1.162	3.163	0.006	0.098	0.098	568.299	0.030	0.004
Air Compressors										
	500	0.321	1.123	2.755	0.005	0.092	0.092	568.299	0.029	0.004
Air Compressors										
	750	0.323	1.123	2.845	0.005	0.094	0.094	568.299	0.029	0.004
Air Compressors										
	1000	0.362	1.246	4.583	0.005	0.121	0.121	568.299	0.032	0.004
Bore/Drill Rigs										
	15	0.804	4.652	5.063	0.006	0.351	0.323	563.917	0.173	0.005
Bore/Drill Rigs										
	25	0.804	4.652	5.063	0.006	0.351	0.323	563.917	0.173	0.005
Bore/Drill Rigs										
	50	0.804	4.652	5.063	0.006	0.351	0.323	563.917	0.173	0.005
Bore/Drill Rigs										
	120	0.298	3.331	3.685	0.005	0.211	0.194	485.322	0.149	0.004
Bore/Drill Rigs										
	175	0.245	3.001	2.982	0.005	0.131	0.121	503.770	0.154	0.004
Bore/Drill Rigs										
	250	0.174	1.102	2.522	0.005	0.073	0.067	494.138	0.151	0.004
Bore/Drill Rigs										
	500	0.166	1.119	2.367	0.005	0.072	0.067	489.461	0.150	0.004
Bore/Drill Rigs										
	750	0.155	1.137	2.157	0.005	0.072	0.066	505.125	0.155	0.004
Bore/Drill Rigs										
	1000	0.121	0.971	3.021	0.005	0.060	0.055	498.123	0.153	0.004
Cement and Mortar Mixers										
	15	0.661	3.469	4.145	0.008	0.165	0.165	568.299	0.059	0.005
Cement and Mortar Mixers										
	25	0.767	2.466	4.567	0.007	0.216	0.216	568.299	0.069	0.005
Concrete/Industrial Saws										
	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws										
	50	1.175	4.894	4.652	0.007	0.313	0.313	568.299	0.106	0.005
Concrete/Industrial Saws										
	120	0.557	3.595	4.086	0.006	0.294	0.294	568.299	0.050	0.004
Concrete/Industrial Saws										
	175	0.395	3.073	3.316	0.006	0.165	0.165	568.299	0.035	0.004
Cranes										
	50	2.173	7.408	6.145	0.005	0.620	0.570	546.782	0.168	0.005
Cranes										
	120	1.097	4.710	9.154	0.005	0.678	0.624	495.753	0.152	0.004
Cranes										
	175	0.696	3.787	7.360	0.005	0.397	0.366	501.093	0.154	0.004
Cranes										
	250	0.561	2.385	6.655	0.005	0.297	0.273	499.372	0.153	0.004
Cranes										
	500	0.410	3.547	5.232	0.005	0.212	0.195	498.439	0.153	0.004
Cranes										
	750	0.287	1.633	4.158	0.005	0.147	0.135	497.187	0.152	0.004
Cranes										
	9999	0.152	0.974	2.322	0.005	0.058	0.053	498.280	0.153	0.004
Crawler Tractors										
	50	2.459	8.006	6.208	0.005	0.712	0.655	544.676	0.167	0.005
Crawler Tractors										
	120	0.849	4.176	7.141	0.005	0.604	0.555	503.279	0.154	0.004
Crawler Tractors										
	175	0.614	3.483	6.552	0.005	0.364	0.335	498.125	0.153	0.004
Crawler Tractors										
	250	0.430	1.742	5.760	0.005	0.220	0.202	499.832	0.153	0.004
Crawler Tractors										
	500	0.385	2.635	5.029	0.005	0.195	0.179	502.422	0.154	0.004
Crawler Tractors										
	750	0.324	1.522	4.361	0.005	0.160	0.147	499.105	0.153	0.004
Crawler Tractors										
	1000	0.486	2.100	7.532	0.005	0.223	0.206	501.878	0.154	0.004
Crushing/Proc. Equipment										
	50	1.402	5.623	4.827	0.007	0.354	0.354	568.299	0.126	0.005
Crushing/Proc. Equipment										
	120	0.647	3.791	4.244	0.006	0.330	0.330	568.299	0.058	0.004
Crushing/Proc. Equipment										
	175	0.468	3.236	3.450	0.006	0.185	0.185	568.299	0.042	0.004
Crushing/Proc. Equipment										
	250	0.340	1.160	2.987	0.006	0.094	0.094	568.299	0.030	0.004
Crushing/Proc. Equipment										
	500	0.324	1.118	2.602	0.005	0.088	0.088	568.299	0.029	0.004
Crushing/Proc. Equipment										
	750	0.323	1.114	2.664	0.005	0.088	0.088	568.299	0.029	0.004
Crushing/Proc. Equipment										
	9999	0.378	1.231	4.423	0.005	0.117	0.117	568.299	0.034	0.004
Dumpers/Tenders										
	25	0.687	2.340	4.362	0.007	0.171	0.171	568.299	0.062	0.005
Excavators										
	25	0.771	4.889	4.678	0.005	0.332	0.305	554.910	0.170	0.005
Excavators										
	50	0.771	4.889	4.678	0.005	0.332	0.305	554.910	0.170	0.005

Excavators	120	0.440	3.639	4.380	0.005	0.310	0.286	493.409	0.151	0.004
Excavators	175	0.334	3.151	3.700	0.005	0.182	0.168	498.522	0.153	0.004
Excavators	250	0.247	1.249	3.319	0.005	0.105	0.097	498.436	0.153	0.004
Excavators	500	0.200	1.199	2.507	0.005	0.081	0.075	496.810	0.152	0.004
Excavators	750	0.210	1.228	2.719	0.005	0.090	0.083	494.550	0.152	0.004
Forklifts	50	1.703	6.673	5.450	0.005	0.536	0.493	554.677	0.170	0.005
Forklifts	120	0.672	3.979	5.818	0.005	0.480	0.442	497.725	0.153	0.004
Forklifts	175	0.508	3.452	5.362	0.005	0.294	0.270	498.334	0.153	0.004
Forklifts	250	0.496	2.092	5.751	0.005	0.252	0.232	499.621	0.153	0.004
Forklifts	500	0.338	2.508	3.780	0.005	0.161	0.148	499.927	0.153	0.004
Generator Sets	15	0.699	3.599	4.847	0.008	0.250	0.250	568.299	0.063	0.005
Generator Sets	25	0.757	2.564	4.729	0.007	0.233	0.233	568.299	0.068	0.005
Generator Sets	50	1.017	4.292	4.522	0.007	0.285	0.285	568.299	0.091	0.005
Generator Sets	120	0.520	3.442	4.072	0.006	0.274	0.274	568.299	0.046	0.004
Generator Sets	175	0.356	2.931	3.347	0.006	0.151	0.151	568.299	0.032	0.004
Generator Sets	250	0.245	1.063	2.910	0.006	0.081	0.081	568.299	0.022	0.004
Generator Sets	500	0.224	1.048	2.579	0.005	0.076	0.076	568.299	0.020	0.004
Generator Sets	750	0.230	1.048	2.660	0.005	0.077	0.077	568.299	0.020	0.004
Generator Sets	9999	0.301	1.161	4.293	0.005	0.104	0.104	568.299	0.027	0.004
Graders	50	3.007	8.978	6.423	0.005	0.843	0.776	520.075	0.159	0.005
Graders	120	1.164	4.810	9.191	0.005	0.759	0.698	495.919	0.152	0.004
Graders	175	0.757	3.845	7.663	0.005	0.430	0.396	506.748	0.155	0.004
Graders	250	0.396	1.449	5.525	0.005	0.180	0.166	503.802	0.154	0.004
Graders	500	0.334	1.707	3.557	0.005	0.139	0.128	498.600	0.153	0.004
Graders	750	0.372	1.323	2.835	0.005	0.100	0.100	568.299	0.033	0.004
Off-Highway Tractors	120	0.586	3.901	5.317	0.005	0.423	0.389	501.245	0.154	0.004
Off-Highway Tractors	175	0.356	3.259	4.026	0.005	0.205	0.189	499.245	0.153	0.004
Off-Highway Tractors	250	0.328	1.403	4.382	0.005	0.151	0.139	496.498	0.152	0.004
Off-Highway Tractors	750	0.248	1.145	3.324	0.005	0.112	0.103	497.618	0.153	0.004
Off-Highway Tractors	1000	0.118	0.985	2.340	0.005	0.059	0.054	498.280	0.153	0.004
Off-Highway Trucks	175	0.441	3.436	4.236	0.005	0.233	0.215	495.924	0.152	0.004
Off-Highway Trucks	250	0.417	1.753	4.368	0.005	0.189	0.174	494.794	0.152	0.004
Off-Highway Trucks	500	0.325	1.748	3.668	0.005	0.136	0.125	501.437	0.154	0.004
Off-Highway Trucks	750	0.394	2.356	4.257	0.005	0.170	0.157	500.199	0.153	0.004
Off-Highway Trucks	1000	0.362	1.546	5.653	0.005	0.159	0.146	497.115	0.152	0.004
Other Construction Equipment	15	1.244	5.655	5.421	0.005	0.477	0.439	558.001	0.171	0.005
Other Construction Equipment	25	1.244	5.655	5.421	0.005	0.477	0.439	558.001	0.171	0.005
Other Construction Equipment	50	1.244	5.655	5.421	0.005	0.477	0.439	558.001	0.171	0.005
Other Construction Equipment	120	0.676	3.885	6.070	0.005	0.475	0.437	497.383	0.152	0.004
Other Construction Equipment	175	0.500	3.338	5.494	0.005	0.290	0.267	495.931	0.152	0.004
Other Construction Equipment	500	0.290	2.121	3.777	0.005	0.138	0.127	501.130	0.154	0.004
Other General Industrial Equipment	15	1.349	6.179	5.277	0.005	0.479	0.441	555.408	0.170	0.005
Other General Industrial Equipment	25	1.349	6.179	5.277	0.005	0.479	0.441	555.408	0.170	0.005
Other General Industrial Equipment	50	1.349	6.179	5.277	0.005	0.479	0.441	555.408	0.170	0.005
Other General Industrial Equipment	120	0.660	3.998	5.721	0.005	0.471	0.433	496.111	0.152	0.004
Other General Industrial Equipment	175	0.437	3.399	4.534	0.005	0.250	0.230	498.064	0.153	0.004
Other General Industrial Equipment	250	0.411	1.780	5.022	0.005	0.199	0.183	499.513	0.153	0.004
Other General Industrial Equipment	500	0.334	2.365	3.949	0.005	0.152	0.140	499.203	0.153	0.004
Other General Industrial Equipment	750	0.219	1.480	2.592	0.005	0.086	0.079	499.767	0.153	0.004

Other General Industrial Equipment	1000	0.251	1.057	4.787	0.005	0.115	0.105	498.280	0.153	0.004
Other Material Handling Equipment	50	1.615	6.635	5.574	0.005	0.546	0.502	552.804	0.169	0.005
Other Material Handling Equipment	120	0.488	3.758	4.561	0.005	0.341	0.314	499.899	0.153	0.004
Other Material Handling Equipment	175	0.427	3.351	4.488	0.005	0.238	0.219	498.454	0.153	0.004
Other Material Handling Equipment	250	0.359	1.512	4.705	0.005	0.163	0.150	497.676	0.153	0.004
Other Material Handling Equipment	500	0.325	1.863	3.971	0.005	0.154	0.141	496.425	0.152	0.004
Other Material Handling Equipment	9999	0.169	1.010	3.520	0.005	0.072	0.067	498.280	0.153	0.004
Pavers	25	1.731	6.199	5.437	0.005	0.540	0.497	556.453	0.171	0.005
Pavers	50	1.731	6.199	5.437	0.005	0.540	0.497	556.453	0.171	0.005
Pavers	120	0.625	3.759	5.692	0.005	0.437	0.402	495.925	0.152	0.004
Pavers	175	0.389	3.063	4.353	0.005	0.214	0.197	498.967	0.153	0.004
Pavers	250	0.208	1.037	3.809	0.005	0.100	0.092	499.562	0.153	0.004
Pavers	500	0.168	0.979	2.487	0.005	0.087	0.081	491.784	0.151	0.004
Paving Equipment	25	0.926	4.804	4.728	0.005	0.359	0.331	548.648	0.168	0.005
Paving Equipment	50	0.926	4.804	4.728	0.005	0.359	0.331	548.648	0.168	0.005
Paving Equipment	120	0.563	3.741	5.207	0.005	0.391	0.359	500.165	0.153	0.004
Paving Equipment	175	0.343	3.073	3.896	0.005	0.195	0.179	497.148	0.152	0.004
Paving Equipment	250	0.288	1.333	4.121	0.005	0.142	0.130	498.732	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.699	3.599	4.847	0.008	0.250	0.250	568.299	0.063	0.005
Pressure Washers	25	0.757	2.564	4.729	0.007	0.233	0.233	568.299	0.068	0.005
Pressure Washers	50	0.760	3.632	4.355	0.007	0.240	0.240	568.299	0.068	0.005
Pressure Washers	120	0.444	3.283	3.888	0.006	0.233	0.233	568.300	0.040	0.004
Pressure Washers	175	0.346	2.910	3.349	0.006	0.149	0.149	568.299	0.031	0.004
Pressure Washers	250	0.102	0.986	0.317	0.006	0.009	0.009	568.299	0.009	0.004
Pumps	15	0.786	3.599	4.887	0.008	0.272	0.272	568.299	0.070	0.005
Pumps	25	0.830	2.564	4.729	0.007	0.243	0.243	568.299	0.074	0.005
Pumps	50	1.104	4.514	4.578	0.007	0.301	0.301	568.299	0.099	0.005
Pumps	120	0.546	3.495	4.134	0.006	0.287	0.287	568.299	0.049	0.004
Pumps	175	0.376	2.975	3.400	0.006	0.159	0.159	568.299	0.033	0.004
Pumps	250	0.260	1.080	2.958	0.006	0.084	0.084	568.299	0.023	0.004
Pumps	500	0.239	1.062	2.613	0.005	0.079	0.079	568.299	0.021	0.004
Pumps	750	0.244	1.062	2.695	0.005	0.080	0.080	568.299	0.022	0.004
Pumps	9999	0.313	1.177	4.343	0.005	0.106	0.106	568.299	0.028	0.004
Rollers	15	1.198	5.147	5.098	0.005	0.436	0.401	555.020	0.170	0.005
Rollers	25	1.198	5.147	5.098	0.005	0.436	0.401	555.020	0.170	0.005
Rollers	50	1.198	5.147	5.098	0.005	0.436	0.401	555.020	0.170	0.005
Rollers	120	0.580	3.713	5.411	0.005	0.392	0.361	500.153	0.153	0.004
Rollers	175	0.314	2.981	3.874	0.005	0.180	0.166	497.909	0.153	0.004
Rollers	250	0.274	1.408	3.921	0.005	0.129	0.119	499.702	0.153	0.004
Rollers	500	0.297	2.685	3.840	0.005	0.150	0.138	505.832	0.155	0.004
Rough Terrain Forklifts	50	1.108	4.833	4.903	0.005	0.382	0.352	554.623	0.170	0.005
Rough Terrain Forklifts	120	0.271	3.318	3.418	0.005	0.182	0.167	499.168	0.153	0.004
Rough Terrain Forklifts	175	0.194	2.866	2.902	0.005	0.112	0.103	497.777	0.153	0.004
Rough Terrain Forklifts	250	0.148	1.024	2.474	0.005	0.059	0.054	499.001	0.153	0.004
Rough Terrain Forklifts	500	0.182	0.966	3.568	0.005	0.079	0.073	493.336	0.151	0.004
Rubber Tired Dozers	175	0.903	4.149	9.129	0.005	0.525	0.483	499.410	0.153	0.004
Rubber Tired Dozers	250	0.707	2.655	7.671	0.005	0.376	0.345	501.548	0.154	0.004
Rubber Tired Dozers	500	0.662	5.526	7.333	0.005	0.341	0.313	505.849	0.155	0.004
Rubber Tired Dozers	750	0.526	2.767	7.172	0.005	0.260	0.239	499.367	0.153	0.004
Rubber Tired Dozers	1000	0.602	2.560	6.013	0.005	0.195	0.195	568.299	0.054	0.004
Rubber Tired Loaders	25	1.957	7.660	5.954	0.005	0.633	0.582	553.583	0.170	0.005
Rubber Tired Loaders	50	1.957	7.660	5.954	0.005	0.633	0.582	553.583	0.170	0.005
Rubber Tired Loaders	120	0.757	4.171	6.236	0.005	0.530	0.487	491.853	0.151	0.004
Rubber Tired Loaders	175	0.522	3.518	5.195	0.005	0.290	0.266	497.353	0.152	0.004
Rubber Tired Loaders	250	0.373	1.417	4.755	0.005	0.162	0.149	495.950	0.152	0.004

Rubber Tired Loaders										
	500	0.369	2.060	4.253	0.005	0.160	0.148	492.276	0.151	0.004
Rubber Tired Loaders										
	750	0.367	1.700	4.050	0.005	0.160	0.147	484.366	0.148	0.004
Rubber Tired Loaders										
	1000	0.415	1.456	6.553	0.005	0.192	0.177	496.897	0.152	0.004
Scrapers	120	0.754	4.207	7.179	0.005	0.551	0.507	511.112	0.157	0.004
Scrapers	175	0.629	3.705	6.671	0.005	0.359	0.331	505.331	0.155	0.004
Scrapers	250	0.627	2.647	7.399	0.005	0.333	0.306	494.523	0.152	0.004
Scrapers	500	0.425	3.337	5.340	0.005	0.214	0.197	498.457	0.153	0.004
Scrapers	750	0.325	2.295	4.216	0.005	0.156	0.143	498.693	0.153	0.004
Signal Boards										
	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards										
	50	1.158	4.785	4.590	0.007	0.306	0.306	568.299	0.104	0.005
Signal Boards										
	120	0.553	3.566	4.059	0.006	0.290	0.290	568.299	0.049	0.004
Signal Boards										
	175	0.388	3.044	3.305	0.006	0.161	0.161	568.299	0.035	0.004
Signal Boards										
	250	0.330	1.323	3.452	0.007	0.101	0.101	686.695	0.029	0.004
Skid Steer Loaders										
	25	0.568	3.919	4.113	0.005	0.218	0.200	556.714	0.171	0.005
Skid Steer Loaders										
	50	0.568	3.919	4.113	0.005	0.218	0.200	556.714	0.171	0.005
Skid Steer Loaders										
	120	0.255	3.319	3.286	0.005	0.177	0.163	498.326	0.153	0.004
Surfacing Equipment										
	50	0.928	4.603	5.064	0.006	0.365	0.336	564.477	0.173	0.005
Surfacing Equipment										
	120	0.508	3.556	4.942	0.005	0.337	0.310	498.360	0.153	0.004
Surfacing Equipment										
	175	0.455	3.003	5.393	0.005	0.264	0.243	496.274	0.152	0.004
Surfacing Equipment										
	250	0.274	1.343	4.468	0.005	0.129	0.119	501.847	0.154	0.004
Surfacing Equipment										
	500	0.204	1.396	3.106	0.005	0.103	0.094	496.885	0.152	0.004
Surfacing Equipment										
	750	0.160	1.003	2.770	0.005	0.090	0.083	499.712	0.153	0.004
Sweepers/Scrubbers										
	15	1.712	6.719	5.626	0.005	0.582	0.535	554.513	0.170	0.005
Sweepers/Scrubbers										
	25	1.712	6.719	5.626	0.005	0.582	0.535	554.513	0.170	0.005
Sweepers/Scrubbers										
	50	1.712	6.719	5.626	0.005	0.582	0.535	554.513	0.170	0.005
Sweepers/Scrubbers										
	120	0.721	4.010	6.020	0.005	0.520	0.479	500.456	0.153	0.004
Sweepers/Scrubbers										
	175	0.711	3.784	7.424	0.005	0.395	0.363	499.407	0.153	0.004
Sweepers/Scrubbers										
	250	0.513	2.090	6.509	0.005	0.264	0.243	496.244	0.152	0.004
Tractors/Loaders/Backhoes										
	25	1.194	5.689	5.110	0.005	0.433	0.399	544.929	0.167	0.005
Tractors/Loaders/Backhoes										
	50	1.194	5.689	5.110	0.005	0.433	0.399	544.929	0.167	0.005
Tractors/Loaders/Backhoes										
	120	0.501	3.782	4.809	0.005	0.362	0.333	502.795	0.154	0.004
Tractors/Loaders/Backhoes										
	175	0.354	3.200	3.879	0.005	0.197	0.182	493.912	0.151	0.004
Tractors/Loaders/Backhoes										
	250	0.291	1.304	4.041	0.005	0.132	0.121	496.845	0.152	0.004
Tractors/Loaders/Backhoes										
	500	0.272	1.739	3.490	0.005	0.122	0.112	497.113	0.152	0.004
Tractors/Loaders/Backhoes										
	750	0.296	1.646	3.862	0.005	0.139	0.128	492.953	0.151	0.004
Trenchers	15	1.149	5.197	5.166	0.005	0.449	0.413	557.460	0.171	0.005
Trenchers	25	1.149	5.197	5.166	0.005	0.449	0.413	557.460	0.171	0.005
Trenchers	50	1.149	5.197	5.166	0.005	0.449	0.413	557.460	0.171	0.005
Trenchers	120	0.762	3.968	6.679	0.005	0.523	0.481	501.992	0.154	0.004
Trenchers	175	0.536	3.434	5.927	0.005	0.300	0.276	493.764	0.151	0.004
Trenchers	250	0.486	2.037	6.194	0.005	0.250	0.230	499.228	0.153	0.004
Trenchers	500	0.265	1.966	3.442	0.005	0.129	0.119	497.020	0.152	0.004
Trenchers	750	0.114	0.972	1.430	0.005	0.046	0.042	501.183	0.154	0.004
Welders	15	0.786	3.599	4.887	0.008	0.272	0.272	568.299	0.070	0.005
Welders	25	0.830	2.564	4.729	0.007	0.243	0.243	568.299	0.074	0.005
Welders	50	1.372	5.239	4.768	0.007	0.350	0.350	568.299	0.123	0.005
Welders	120	0.630	3.675	4.328	0.006	0.332	0.332	568.299	0.056	0.004
Welders	175	0.442	3.124	3.562	0.006	0.183	0.183	568.299	0.039	0.004
Welders	250	0.310	1.133	3.105	0.006	0.094	0.094	568.299	0.028	0.004
Welders	500	0.290	1.102	2.713	0.005	0.088	0.088	568.299	0.026	0.004
Water Trucks										
	175	0.441	3.436	4.236	0.005	0.233	0.215	495.924	0.152	0.004
Water Trucks										
	250	0.417	1.753	4.368	0.005	0.189	0.174	494.794	0.152	0.004
Water Trucks										
	500	0.325	1.748	3.668	0.005	0.136	0.125	501.437	0.154	0.004
Water Trucks										
	750	0.394	2.356	4.257	0.005	0.170	0.157	500.199	0.153	0.004
Water Trucks										
	1000	0.362	1.546	5.653	0.005	0.159	0.146	497.115	0.152	0.004

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.182	3.116	3.210	0.005	0.054	0.050	545.494	0.170	0.005
Aerial Lifts	25	0.182	3.116	3.210	0.005	0.054	0.050	545.494	0.170	0.005
Aerial Lifts	50	0.182	3.116	3.210	0.005	0.054	0.050	545.494	0.170	0.005
Aerial Lifts	120	0.122	3.167	2.064	0.005	0.057	0.053	490.474	0.153	0.004
Aerial Lifts	500	0.062	0.937	0.634	0.005	0.009	0.008	490.412	0.153	0.004
Aerial Lifts	750	0.225	1.037	2.385	0.005	0.071	0.071	568.299	0.020	0.004
Air Compressor s	15	0.766	3.580	4.762	0.008	0.256	0.256	568.299	0.069	0.005
Air Compressor s	25	0.807	2.531	4.661	0.007	0.232	0.232	568.300	0.072	0.005
Air Compressor s	50	1.300	5.439	4.707	0.007	0.329	0.329	568.299	0.117	0.005
Air Compressor s	120	0.603	3.744	4.050	0.006	0.304	0.304	568.300	0.054	0.004
Air Compressor s	175	0.435	3.205	3.228	0.006	0.170	0.170	568.299	0.039	0.004
Air Compressor s	250	0.321	1.146	2.797	0.006	0.087	0.087	568.300	0.029	0.004
Air Compressor s	500	0.307	1.101	2.465	0.005	0.083	0.083	568.299	0.027	0.004
Air Compressor s	750	0.309	1.101	2.533	0.005	0.084	0.084	568.299	0.027	0.004
Air Compressor s	1000	0.343	1.210	4.325	0.005	0.111	0.111	568.299	0.030	0.004
Bore/Drill Rigs	15	0.767	4.569	4.869	0.006	0.329	0.303	554.204	0.173	0.005
Bore/Drill Rigs	25	0.767	4.569	4.869	0.006	0.329	0.303	554.204	0.173	0.005
Bore/Drill Rigs	50	0.767	4.569	4.869	0.006	0.329	0.303	554.204	0.173	0.005
Bore/Drill Rigs	120	0.269	3.323	3.400	0.005	0.184	0.170	479.672	0.149	0.004
Bore/Drill Rigs	175	0.203	2.961	2.357	0.005	0.103	0.095	495.073	0.154	0.004
Bore/Drill Rigs	250	0.155	1.073	2.153	0.005	0.061	0.056	484.561	0.151	0.004
Bore/Drill Rigs	500	0.135	1.032	1.746	0.005	0.052	0.048	485.689	0.151	0.004
Bore/Drill Rigs	750	0.126	1.006	1.679	0.005	0.055	0.050	489.730	0.153	0.004
Bore/Drill Rigs	1000	0.125	0.978	3.032	0.005	0.060	0.056	490.243	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.163	0.163	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.749	2.440	4.504	0.007	0.205	0.205	568.299	0.067	0.005
Concrete/In dustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/In dustrial Saws	50	1.032	4.766	4.492	0.007	0.277	0.277	568.299	0.093	0.005
Concrete/In dustrial Saws	120	0.498	3.571	3.754	0.006	0.256	0.256	568.299	0.044	0.004
Concrete/In dustrial Saws	175	0.359	3.072	2.945	0.006	0.145	0.145	568.299	0.032	0.004
Cranes	50	2.072	7.247	6.004	0.005	0.624	0.574	538.122	0.168	0.005
Cranes	120	0.932	4.452	7.931	0.005	0.583	0.536	488.117	0.152	0.004
Cranes	175	0.621	3.666	6.557	0.005	0.351	0.323	493.045	0.154	0.004
Cranes	250	0.483	2.134	5.773	0.005	0.250	0.230	491.407	0.153	0.004
Cranes	500	0.370	3.187	4.634	0.005	0.187	0.172	490.891	0.153	0.004
Cranes	750	0.271	1.613	3.769	0.005	0.137	0.126	489.054	0.152	0.004
Cranes	9999	0.162	0.983	2.335	0.005	0.059	0.054	490.412	0.153	0.004
Crawler Tractors	50	2.446	8.009	6.163	0.005	0.704	0.648	536.141	0.167	0.005
Crawler Tractors	120	0.798	4.123	6.723	0.005	0.566	0.521	494.922	0.154	0.004
Crawler Tractors	175	0.555	3.421	5.859	0.005	0.326	0.299	490.000	0.153	0.004
Crawler Tractors	250	0.398	1.654	5.290	0.005	0.200	0.184	491.606	0.153	0.004
Crawler Tractors	500	0.344	2.382	4.373	0.005	0.169	0.156	493.510	0.154	0.004
Crawler Tractors	750	0.296	1.445	3.834	0.005	0.142	0.130	491.266	0.153	0.004
Crawler Tractors	1000	0.489	2.105	7.564	0.005	0.225	0.207	494.105	0.154	0.004
Crushing/Pr oc. Equipment	50	1.225	5.461	4.657	0.007	0.310	0.310	568.299	0.110	0.005
Crushing/Pr oc. Equipment	120	0.580	3.763	3.881	0.006	0.284	0.284	568.299	0.052	0.004
Crushing/Pr oc. Equipment	175	0.427	3.234	3.049	0.006	0.161	0.161	568.299	0.038	0.004
Crushing/Pr oc. Equipment	250	0.322	1.146	2.622	0.006	0.083	0.083	568.299	0.029	0.004
Crushing/Pr oc. Equipment	500	0.309	1.099	2.312	0.005	0.079	0.079	568.299	0.027	0.004
Crushing/Pr oc. Equipment	750	0.308	1.097	2.358	0.005	0.079	0.079	568.299	0.027	0.004
Crushing/Pr oc. Equipment	9999	0.361	1.198	4.168	0.005	0.107	0.107	568.299	0.032	0.004
Dumpers/Te nders	25	0.686	2.339	4.350	0.007	0.169	0.169	568.299	0.061	0.005
Excavators	25	0.687	4.700	4.395	0.005	0.284	0.261	545.347	0.170	0.005
Excavators	50	0.687	4.700	4.395	0.005	0.284	0.261	545.347	0.170	0.005

Excavators	120	0.368	3.562	3.764	0.005	0.251	0.230	486.056	0.151	0.004
Excavators	175	0.273	3.093	2.924	0.005	0.142	0.130	490.673	0.153	0.004
Excavators	250	0.202	1.152	2.594	0.005	0.079	0.073	490.257	0.153	0.004
Excavators	500	0.175	1.140	2.050	0.005	0.066	0.061	489.103	0.152	0.004
Excavators	750	0.189	1.224	2.266	0.005	0.076	0.070	487.653	0.152	0.004
Forklifts	50	1.393	6.103	5.052	0.005	0.447	0.411	545.919	0.170	0.005
Forklifts	120	0.567	3.858	5.015	0.005	0.400	0.368	489.866	0.153	0.004
Forklifts	175	0.427	3.336	4.430	0.005	0.241	0.222	490.466	0.153	0.004
Forklifts	250	0.425	1.835	4.938	0.005	0.207	0.191	491.733	0.153	0.004
Forklifts	500	0.282	1.878	3.019	0.005	0.125	0.115	492.034	0.153	0.004
Generator Sets	15	0.679	3.580	4.728	0.008	0.237	0.237	568.299	0.061	0.005
Generator Sets	25	0.744	2.531	4.661	0.007	0.224	0.224	568.299	0.067	0.005
Generator Sets	50	0.895	4.182	4.366	0.007	0.253	0.253	568.299	0.080	0.005
Generator Sets	120	0.461	3.418	3.752	0.006	0.239	0.239	568.299	0.041	0.004
Generator Sets	175	0.319	2.930	2.989	0.006	0.133	0.133	568.299	0.028	0.004
Generator Sets	250	0.226	1.048	2.582	0.006	0.072	0.072	568.299	0.020	0.004
Generator Sets	500	0.211	1.028	2.310	0.005	0.069	0.069	568.299	0.019	0.004
Generator Sets	750	0.215	1.028	2.370	0.005	0.070	0.070	568.299	0.019	0.004
Generator Sets	9999	0.280	1.128	4.058	0.005	0.095	0.095	568.299	0.025	0.004
Graders	50	2.809	8.626	6.180	0.005	0.790	0.726	511.910	0.159	0.005
Graders	120	1.075	4.697	8.520	0.005	0.697	0.641	487.698	0.152	0.004
Graders	175	0.661	3.710	6.605	0.005	0.371	0.342	497.377	0.155	0.004
Graders	250	0.384	1.416	5.271	0.005	0.171	0.158	495.431	0.154	0.004
Graders	500	0.324	1.564	3.345	0.005	0.130	0.119	490.576	0.153	0.004
Graders	750	0.353	1.286	2.543	0.005	0.090	0.090	568.299	0.031	0.004
Off-Highway Tractors	120	0.522	3.832	4.787	0.005	0.373	0.343	492.871	0.153	0.004
Off-Highway Tractors	175	0.315	3.219	3.498	0.005	0.176	0.162	491.313	0.153	0.004
Off-Highway Tractors	250	0.272	1.295	3.454	0.005	0.119	0.109	488.677	0.152	0.004
Off-Highway Tractors	750	0.196	1.119	2.166	0.005	0.081	0.074	490.182	0.153	0.004
Off-Highway Tractors	1000	0.129	0.998	2.359	0.005	0.060	0.055	490.412	0.153	0.004
Off-Highway Trucks	175	0.383	3.383	3.543	0.005	0.192	0.177	488.044	0.152	0.004
Off-Highway Trucks	250	0.341	1.543	3.451	0.005	0.141	0.130	487.635	0.152	0.004
Off-Highway Trucks	500	0.287	1.560	3.090	0.005	0.113	0.104	493.506	0.154	0.004
Off-Highway Trucks	750	0.348	2.176	3.691	0.005	0.143	0.132	492.114	0.153	0.004
Off-Highway Trucks	1000	0.297	1.357	4.858	0.005	0.127	0.116	487.790	0.152	0.004
Other Construction Equipment	15	1.169	5.541	5.272	0.005	0.449	0.413	548.939	0.171	0.005
Other Construction Equipment	25	1.169	5.541	5.272	0.005	0.449	0.413	548.939	0.171	0.005
Other Construction Equipment	50	1.169	5.541	5.272	0.005	0.449	0.413	548.939	0.171	0.005
Other Construction Equipment	120	0.598	3.799	5.441	0.005	0.417	0.383	490.018	0.153	0.004
Other Construction Equipment	175	0.436	3.263	4.755	0.005	0.250	0.230	487.986	0.152	0.004
Other Construction Equipment	500	0.251	1.813	3.167	0.005	0.115	0.105	493.360	0.154	0.004
Other General Industrial Equipment	15	1.154	5.827	4.979	0.005	0.414	0.381	546.639	0.170	0.005
Other General Industrial Equipment	25	1.154	5.827	4.979	0.005	0.414	0.381	546.639	0.170	0.005
Other General Industrial Equipment	50	1.154	5.827	4.979	0.005	0.414	0.381	546.639	0.170	0.005
Other General Industrial Equipment	120	0.557	3.876	4.955	0.005	0.392	0.360	488.278	0.152	0.004
Other General Industrial Equipment	175	0.318	3.237	3.237	0.005	0.172	0.158	490.200	0.153	0.004
Other General Industrial Equipment	250	0.303	1.455	3.648	0.005	0.135	0.124	491.626	0.153	0.004
Other General Industrial Equipment	500	0.254	1.583	2.907	0.005	0.104	0.095	491.321	0.153	0.004
Other General Industrial Equipment	750	0.217	1.483	2.419	0.005	0.083	0.076	491.876	0.153	0.004

Other General Industrial Equipment	1000	0.257	1.066	4.810	0.005	0.116	0.107	490.412	0.153	0.004
Other Material Handling Equipment	50	1.289	6.061	5.182	0.005	0.457	0.420	544.075	0.169	0.005
Other Material Handling Equipment	120	0.407	3.675	3.944	0.005	0.271	0.249	492.006	0.153	0.004
Other Material Handling Equipment	175	0.327	3.218	3.332	0.005	0.173	0.159	490.583	0.153	0.004
Other Material Handling Equipment	250	0.316	1.388	4.092	0.005	0.135	0.124	489.817	0.153	0.004
Other Material Handling Equipment	500	0.296	1.633	3.524	0.005	0.134	0.123	488.587	0.152	0.004
Other Material Handling Equipment	9999	0.180	1.023	3.551	0.005	0.074	0.068	490.412	0.153	0.004
Pavers	25	1.539	5.849	5.121	0.005	0.478	0.440	547.079	0.170	0.005
Pavers	50	1.539	5.849	5.121	0.005	0.478	0.440	547.079	0.170	0.005
Pavers	120	0.536	3.660	5.019	0.005	0.375	0.345	488.181	0.152	0.004
Pavers	175	0.339	3.039	3.747	0.005	0.183	0.168	491.322	0.153	0.004
Pavers	250	0.198	1.034	3.474	0.005	0.092	0.085	491.543	0.153	0.004
Pavers	500	0.164	0.981	2.320	0.005	0.083	0.076	484.277	0.151	0.004
Paving Equipment	25	0.737	4.416	4.312	0.005	0.286	0.263	540.612	0.168	0.005
Paving Equipment	50	0.737	4.416	4.312	0.005	0.286	0.263	540.612	0.168	0.005
Paving Equipment	120	0.449	3.607	4.270	0.005	0.302	0.278	492.118	0.153	0.004
Paving Equipment	175	0.284	3.026	3.172	0.005	0.155	0.143	489.202	0.152	0.004
Paving Equipment	250	0.258	1.281	3.587	0.005	0.123	0.113	490.683	0.153	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.300	0.059	0.005
Pressure Washers	15	0.679	3.580	4.728	0.008	0.237	0.237	568.299	0.061	0.005
Pressure Washers	25	0.744	2.531	4.661	0.007	0.224	0.224	568.299	0.067	0.005
Pressure Washers	50	0.661	3.542	4.202	0.007	0.212	0.212	568.299	0.059	0.005
Pressure Washers	120	0.388	3.260	3.584	0.006	0.203	0.203	568.299	0.035	0.004
Pressure Washers	175	0.309	2.908	2.989	0.006	0.132	0.132	568.299	0.027	0.004
Pressure Washers	250	0.099	0.986	0.277	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.766	3.580	4.762	0.008	0.256	0.256	568.299	0.069	0.005
Pumps	25	0.807	2.531	4.661	0.007	0.232	0.232	568.299	0.072	0.005
Pumps	50	0.973	4.397	4.422	0.007	0.267	0.267	568.299	0.087	0.005
Pumps	120	0.485	3.471	3.808	0.006	0.252	0.252	568.299	0.043	0.004
Pumps	175	0.338	2.974	3.035	0.006	0.140	0.140	568.299	0.030	0.004
Pumps	250	0.242	1.065	2.624	0.006	0.075	0.075	568.299	0.021	0.004
Pumps	500	0.226	1.041	2.340	0.005	0.071	0.071	568.299	0.020	0.004
Pumps	750	0.230	1.041	2.401	0.005	0.072	0.072	568.299	0.020	0.004
Pumps	9999	0.293	1.144	4.105	0.005	0.098	0.098	568.299	0.026	0.004
Rollers	15	1.064	4.923	4.842	0.005	0.387	0.356	546.291	0.170	0.005
Rollers	25	1.064	4.923	4.842	0.005	0.387	0.356	546.291	0.170	0.005
Rollers	50	1.064	4.923	4.842	0.005	0.387	0.356	546.291	0.170	0.005
Rollers	120	0.481	3.610	4.650	0.005	0.320	0.294	492.212	0.153	0.004
Rollers	175	0.265	2.949	3.181	0.005	0.147	0.136	490.181	0.153	0.004
Rollers	250	0.211	1.243	2.995	0.005	0.094	0.086	491.664	0.153	0.004
Rollers	500	0.245	2.231	3.098	0.005	0.119	0.110	497.996	0.155	0.004
Rough Terrain Forklifts	50	1.070	4.768	4.735	0.005	0.359	0.330	545.869	0.170	0.005
Rough Terrain Forklifts	120	0.222	3.270	2.845	0.005	0.136	0.125	491.211	0.153	0.004
Rough Terrain Forklifts	175	0.164	2.842	2.342	0.005	0.088	0.081	489.987	0.153	0.004
Rough Terrain Forklifts	250	0.152	1.029	2.487	0.005	0.060	0.055	491.100	0.153	0.004
Rough Terrain Forklifts	500	0.145	0.958	2.701	0.005	0.060	0.055	485.954	0.151	0.004
Rubber Tired Dozers	175	0.802	3.990	8.021	0.005	0.461	0.424	491.492	0.153	0.004
Rubber Tired Dozers	250	0.669	2.512	7.208	0.005	0.350	0.322	493.634	0.154	0.004
Rubber Tired Dozers	500	0.598	4.982	6.502	0.005	0.300	0.276	498.186	0.155	0.004
Rubber Tired Dozers	750	0.506	2.759	6.727	0.005	0.248	0.228	491.473	0.153	0.004
Rubber Tired Dozers	1000	0.574	2.413	5.764	0.005	0.183	0.183	568.299	0.051	0.004
Rubber Tired Loaders	25	1.765	7.299	5.679	0.005	0.576	0.530	545.053	0.170	0.005
Rubber Tired Loaders	50	1.765	7.299	5.679	0.005	0.576	0.530	545.053	0.170	0.005
Rubber Tired Loaders	120	0.655	4.047	5.470	0.005	0.452	0.416	484.093	0.151	0.004
Rubber Tired Loaders	175	0.448	3.423	4.368	0.005	0.242	0.223	489.511	0.152	0.004
Rubber Tired Loaders	250	0.334	1.346	4.131	0.005	0.140	0.129	487.902	0.152	0.004

Rubber Tired Loaders	500	0.334	1.868	3.726	0.005	0.140	0.128	484.571	0.151	0.004
Rubber Tired Loaders	750	0.331	1.555	3.544	0.005	0.140	0.129	476.566	0.148	0.004
Rubber Tired Loaders	1000	0.336	1.213	5.673	0.005	0.154	0.142	488.404	0.152	0.004
Scrapers	120	0.740	4.204	7.036	0.005	0.543	0.499	502.829	0.157	0.004
Scrapers	175	0.539	3.568	5.641	0.005	0.303	0.279	497.340	0.155	0.004
Scrapers	250	0.557	2.407	6.563	0.005	0.290	0.267	486.991	0.152	0.004
Scrapers	500	0.369	2.828	4.568	0.005	0.180	0.166	490.773	0.153	0.004
Scrapers	750	0.294	1.965	3.746	0.005	0.135	0.124	490.578	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.018	4.657	4.427	0.007	0.270	0.270	568.299	0.091	0.005
Signal Boards	120	0.492	3.541	3.723	0.006	0.252	0.252	568.299	0.044	0.004
Signal Boards	175	0.351	3.043	2.930	0.006	0.141	0.141	568.299	0.031	0.004
Signal Boards	250	0.309	1.306	3.040	0.007	0.090	0.090	686.695	0.027	0.004
Skid Steer Loaders	25	0.487	3.787	3.890	0.005	0.178	0.164	547.558	0.171	0.005
Skid Steer Loaders	50	0.487	3.787	3.890	0.005	0.178	0.164	547.558	0.171	0.005
Skid Steer Loaders	120	0.216	3.282	2.860	0.005	0.140	0.129	490.094	0.153	0.004
Surfacing Equipment	50	0.779	4.353	4.820	0.006	0.320	0.294	555.736	0.173	0.005
Surfacing Equipment	120	0.414	3.489	4.284	0.005	0.269	0.247	491.317	0.153	0.004
Surfacing Equipment	175	0.375	2.976	4.475	0.005	0.215	0.198	488.441	0.152	0.004
Surfacing Equipment	250	0.241	1.234	3.989	0.005	0.113	0.104	494.139	0.154	0.004
Surfacing Equipment	500	0.157	1.226	2.204	0.005	0.076	0.070	487.872	0.152	0.004
Surfacing Equipment	750	0.143	0.993	2.269	0.005	0.078	0.072	488.860	0.152	0.004
Sweepers/S crubbers	15	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/S crubbers	25	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/S crubbers	50	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/S crubbers	120	0.600	3.882	5.136	0.005	0.428	0.394	492.554	0.153	0.004
Sweepers/S crubbers	175	0.589	3.588	6.071	0.005	0.320	0.294	491.521	0.153	0.004
Sweepers/S crubbers	250	0.350	1.605	4.302	0.005	0.169	0.156	488.409	0.152	0.004
Tractors/Loaders/Backhoes	25	0.992	5.310	4.764	0.005	0.363	0.334	536.112	0.167	0.005
Tractors/Loaders/Backhoes	50	0.992	5.310	4.764	0.005	0.363	0.334	536.112	0.167	0.005
Tractors/Loaders/Backhoes	120	0.420	3.692	4.154	0.005	0.294	0.271	494.124	0.154	0.004
Tractors/Loaders/Backhoes	175	0.297	3.137	3.168	0.005	0.160	0.147	485.775	0.151	0.004
Tractors/Loaders/Backhoes	250	0.259	1.242	3.460	0.005	0.112	0.103	489.456	0.152	0.004
Tractors/Loaders/Backhoes	500	0.222	1.445	2.669	0.005	0.092	0.085	486.294	0.151	0.004
Tractors/Loaders/Backhoes	750	0.271	1.601	3.402	0.005	0.124	0.114	485.010	0.151	0.004
Trenchers	15	1.039	5.018	4.960	0.005	0.409	0.377	548.361	0.171	0.005
Trenchers	25	1.039	5.018	4.960	0.005	0.409	0.377	548.361	0.171	0.005
Trenchers	50	1.039	5.018	4.960	0.005	0.409	0.377	548.361	0.171	0.005
Trenchers	120	0.658	3.855	5.915	0.005	0.450	0.414	493.715	0.154	0.004
Trenchers	175	0.470	3.331	5.127	0.005	0.261	0.240	485.925	0.151	0.004
Trenchers	250	0.419	1.849	5.296	0.005	0.212	0.195	491.565	0.153	0.004
Trenchers	500	0.256	1.974	3.211	0.005	0.121	0.112	489.628	0.152	0.004
Trenchers	750	0.094	0.966	1.025	0.005	0.029	0.026	494.643	0.154	0.004
Welders	15	0.766	3.580	4.762	0.008	0.256	0.256	568.300	0.069	0.005
Welders	25	0.807	2.531	4.661	0.007	0.232	0.232	568.299	0.072	0.005
Welders	50	1.210	5.092	4.607	0.007	0.311	0.311	568.299	0.109	0.005
Welders	120	0.564	3.648	3.980	0.006	0.290	0.290	568.299	0.050	0.004
Welders	175	0.402	3.123	3.176	0.006	0.162	0.162	568.299	0.036	0.004
Welders	250	0.292	1.118	2.751	0.006	0.084	0.084	568.299	0.026	0.004
Welders	500	0.277	1.080	2.430	0.005	0.080	0.080	568.299	0.025	0.004
Water Trucks	175	0.383	3.383	3.543	0.005	0.192	0.177	488.044	0.152	0.004
Water Trucks	250	0.341	1.543	3.451	0.005	0.141	0.130	487.635	0.152	0.004
Water Trucks	500	0.287	1.560	3.090	0.005	0.113	0.104	493.506	0.154	0.004
Water Trucks	750	0.348	2.176	3.691	0.005	0.143	0.132	492.114	0.153	0.004
Water Trucks	1000	0.297	1.357	4.858	0.005	0.127	0.116	487.790	0.152	0.004

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.172	3.115	3.079	0.005	0.042	0.038	536.743	0.170	0.005
Aerial Lifts	25	0.172	3.115	3.079	0.005	0.042	0.038	536.743	0.170	0.005
Aerial Lifts	50	0.172	3.115	3.079	0.005	0.042	0.038	536.743	0.170	0.005
Aerial Lifts	120	0.118	3.173	1.977	0.005	0.049	0.045	482.606	0.153	0.004
Aerial Lifts	500	0.066	0.941	0.636	0.005	0.009	0.008	482.545	0.153	0.004
Aerial Lifts	750	0.212	1.023	2.117	0.005	0.064	0.064	568.299	0.019	0.004
Air Compressors										
	15	0.748	3.562	4.647	0.008	0.241	0.241	568.299	0.067	0.005
Air Compressors										
	25	0.787	2.501	4.596	0.007	0.222	0.222	568.299	0.071	0.005
Air Compressors										
	50	1.129	5.283	4.546	0.007	0.287	0.287	568.299	0.101	0.005
Air Compressors										
	120	0.538	3.718	3.706	0.006	0.260	0.260	568.299	0.048	0.004
Air Compressors										
	175	0.401	3.204	2.874	0.006	0.150	0.150	568.299	0.036	0.004
Air Compressors										
	250	0.304	1.132	2.469	0.006	0.078	0.078	568.299	0.027	0.004
Air Compressors										
	500	0.293	1.086	2.193	0.005	0.075	0.075	568.299	0.026	0.004
Air Compressors										
	750	0.294	1.086	2.247	0.005	0.076	0.076	568.299	0.026	0.004
Air Compressors										
	1000	0.324	1.182	4.073	0.005	0.102	0.102	568.299	0.029	0.004
Bore/Drill Rigs										
	15	0.722	4.497	4.718	0.006	0.303	0.278	545.293	0.173	0.005
Bore/Drill Rigs										
	25	0.722	4.497	4.718	0.006	0.303	0.278	545.293	0.173	0.005
Bore/Drill Rigs										
	50	0.722	4.497	4.718	0.006	0.303	0.278	545.293	0.173	0.005
Bore/Drill Rigs										
	120	0.267	3.332	3.321	0.005	0.180	0.166	472.453	0.150	0.004
Bore/Drill Rigs										
	175	0.181	2.956	2.018	0.005	0.088	0.081	487.355	0.154	0.004
Bore/Drill Rigs										
	250	0.143	1.061	1.894	0.005	0.054	0.049	475.790	0.151	0.004
Bore/Drill Rigs										
	500	0.129	1.034	1.551	0.005	0.048	0.044	477.046	0.151	0.004
Bore/Drill Rigs										
	750	0.117	0.971	1.449	0.005	0.048	0.044	481.836	0.152	0.004
Bore/Drill Rigs										
	1000	0.129	0.983	3.041	0.005	0.061	0.056	482.359	0.153	0.004
Cement and Mortar Mixers										
	15	0.661	3.469	4.142	0.008	0.162	0.162	568.299	0.059	0.005
Cement and Mortar Mixers										
	25	0.735	2.417	4.469	0.007	0.196	0.196	568.299	0.066	0.005
Concrete/Industrial Saws										
	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws										
	50	0.899	4.645	4.338	0.007	0.242	0.242	568.299	0.081	0.005
Concrete/Industrial Saws										
	120	0.443	3.550	3.441	0.006	0.220	0.220	568.300	0.040	0.004
Concrete/Industrial Saws										
	175	0.330	3.072	2.618	0.006	0.128	0.128	568.299	0.029	0.004
Cranes										
	50	2.045	7.245	5.952	0.005	0.615	0.566	529.463	0.168	0.005
Cranes										
	120	0.803	4.265	6.958	0.005	0.501	0.460	480.325	0.152	0.004
Cranes										
	175	0.568	3.598	5.949	0.005	0.318	0.292	485.182	0.154	0.004
Cranes										
	250	0.427	1.941	5.084	0.005	0.216	0.198	483.462	0.153	0.004
Cranes										
	500	0.349	2.969	4.297	0.005	0.173	0.159	483.142	0.153	0.004
Cranes										
	750	0.252	1.446	3.428	0.005	0.124	0.114	481.119	0.152	0.004
Cranes										
	9999	0.172	0.991	2.349	0.005	0.060	0.055	482.545	0.153	0.004
Crawler Tractors										
	50	2.225	7.589	5.855	0.005	0.640	0.589	525.977	0.166	0.005
Crawler Tractors										
	120	0.757	4.088	6.393	0.005	0.535	0.492	486.991	0.154	0.004
Crawler Tractors										
	175	0.517	3.379	5.382	0.005	0.300	0.276	481.622	0.152	0.004
Crawler Tractors										
	250	0.380	1.604	4.972	0.005	0.188	0.173	483.449	0.153	0.004
Crawler Tractors										
	500	0.319	2.219	3.934	0.005	0.153	0.141	485.865	0.154	0.004
Crawler Tractors										
	750	0.266	1.356	3.343	0.005	0.123	0.113	483.388	0.153	0.004
Crawler Tractors										
	1000	0.460	2.020	7.212	0.005	0.211	0.194	486.255	0.154	0.004
Crushing/Proc. Equipment										
	50	1.064	5.316	4.495	0.007	0.269	0.269	568.299	0.096	0.005
Crushing/Proc. Equipment										
	120	0.519	3.739	3.544	0.006	0.241	0.241	568.299	0.046	0.004
Crushing/Proc. Equipment										
	175	0.394	3.233	2.700	0.006	0.141	0.141	568.299	0.035	0.004
Crushing/Proc. Equipment										
	250	0.304	1.134	2.300	0.006	0.074	0.074	568.299	0.027	0.004
Crushing/Proc. Equipment										
	500	0.295	1.087	2.046	0.005	0.071	0.071	568.299	0.026	0.004
Crushing/Proc. Equipment										
	750	0.294	1.085	2.085	0.005	0.071	0.071	568.299	0.026	0.004
Crushing/Proc. Equipment										
	9999	0.345	1.173	3.927	0.005	0.098	0.098	568.299	0.031	0.004
Dumpers/Tenders										
	25	0.686	2.339	4.341	0.007	0.167	0.167	568.299	0.061	0.005
Excavators										
	25	0.637	4.597	4.199	0.005	0.250	0.230	536.913	0.170	0.005
Excavators										
	50	0.637	4.597	4.199	0.005	0.250	0.230	536.913	0.170	0.005

Excavators	120	0.325	3.524	3.369	0.005	0.211	0.194	478.245	0.151	0.004
Excavators	175	0.246	3.082	2.533	0.005	0.122	0.112	482.684	0.153	0.004
Excavators	250	0.186	1.127	2.242	0.005	0.068	0.063	482.250	0.153	0.004
Excavators	500	0.162	1.114	1.780	0.005	0.058	0.053	481.236	0.152	0.004
Excavators	750	0.176	1.173	1.987	0.005	0.067	0.062	479.288	0.152	0.004
Forklifts	50	1.244	5.880	4.862	0.005	0.401	0.369	537.161	0.170	0.005
Forklifts	120	0.510	3.804	4.550	0.005	0.353	0.324	482.007	0.153	0.004
Forklifts	175	0.382	3.288	3.865	0.005	0.210	0.193	482.598	0.153	0.004
Forklifts	250	0.374	1.677	4.250	0.005	0.175	0.161	483.844	0.153	0.004
Forklifts	500	0.268	1.814	2.751	0.005	0.112	0.103	484.140	0.153	0.004
Generator Sets	15	0.662	3.562	4.617	0.008	0.224	0.224	568.299	0.059	0.005
Generator Sets	25	0.731	2.501	4.596	0.007	0.214	0.214	568.299	0.066	0.005
Generator Sets	50	0.779	4.076	4.215	0.007	0.222	0.222	568.299	0.070	0.005
Generator Sets	120	0.405	3.396	3.446	0.006	0.206	0.206	568.299	0.036	0.004
Generator Sets	175	0.290	2.929	2.669	0.006	0.118	0.118	568.299	0.026	0.004
Generator Sets	250	0.211	1.036	2.285	0.006	0.064	0.064	568.299	0.019	0.004
Generator Sets	500	0.199	1.015	2.056	0.005	0.062	0.062	568.299	0.018	0.004
Generator Sets	750	0.202	1.015	2.104	0.005	0.062	0.062	568.299	0.018	0.004
Generator Sets	9999	0.261	1.103	3.829	0.005	0.087	0.087	568.299	0.023	0.004
Graders	50	2.616	8.279	5.945	0.005	0.737	0.678	503.751	0.159	0.005
Graders	120	1.032	4.642	8.159	0.005	0.665	0.612	479.901	0.152	0.004
Graders	175	0.609	3.656	6.014	0.005	0.337	0.310	489.042	0.155	0.004
Graders	250	0.360	1.359	4.866	0.005	0.156	0.144	486.329	0.154	0.004
Graders	500	0.323	1.528	3.218	0.005	0.124	0.115	482.588	0.153	0.004
Graders	750	0.335	1.255	2.276	0.005	0.080	0.080	568.299	0.030	0.004
Off-Highway Tractors	120	0.473	3.795	4.421	0.005	0.331	0.305	484.269	0.153	0.004
Off-Highway Tractors	175	0.294	3.219	3.208	0.005	0.159	0.146	483.431	0.153	0.004
Off-Highway Tractors	250	0.239	1.218	2.914	0.005	0.098	0.090	481.275	0.152	0.004
Off-Highway Tractors	750	0.205	1.129	2.177	0.005	0.082	0.075	482.309	0.153	0.004
Off-Highway Tractors	1000	0.140	1.010	2.378	0.005	0.062	0.057	482.545	0.153	0.004
Off-Highway Trucks	175	0.323	3.326	2.825	0.005	0.149	0.138	480.362	0.152	0.004
Off-Highway Trucks	250	0.307	1.461	2.985	0.005	0.119	0.110	480.170	0.152	0.004
Off-Highway Trucks	500	0.264	1.483	2.669	0.005	0.097	0.089	485.383	0.154	0.004
Off-Highway Trucks	750	0.327	2.041	3.320	0.005	0.129	0.118	483.218	0.153	0.004
Off-Highway Trucks	1000	0.295	1.356	4.765	0.005	0.124	0.114	480.348	0.152	0.004
Other Construction Equipment	15	1.152	5.541	5.203	0.005	0.437	0.402	539.735	0.171	0.005
Other Construction Equipment	25	1.152	5.541	5.203	0.005	0.437	0.402	539.735	0.171	0.005
Other Construction Equipment	50	1.152	5.541	5.203	0.005	0.437	0.402	539.735	0.171	0.005
Other Construction Equipment	120	0.550	3.754	5.048	0.005	0.379	0.349	482.218	0.153	0.004
Other Construction Equipment	175	0.412	3.256	4.433	0.005	0.234	0.215	480.452	0.152	0.004
Other Construction Equipment	500	0.234	1.667	2.855	0.005	0.103	0.094	485.413	0.154	0.004
Other General Industrial Equipment	15	1.042	5.662	4.807	0.005	0.374	0.344	537.869	0.170	0.005
Other General Industrial Equipment	25	1.042	5.662	4.807	0.005	0.374	0.344	537.869	0.170	0.005
Other General Industrial Equipment	50	1.042	5.662	4.807	0.005	0.374	0.344	537.869	0.170	0.005
Other General Industrial Equipment	120	0.500	3.821	4.497	0.005	0.343	0.316	480.444	0.152	0.004
Other General Industrial Equipment	175	0.302	3.241	2.999	0.005	0.157	0.144	482.336	0.153	0.004
Other General Industrial Equipment	250	0.259	1.299	3.020	0.005	0.106	0.097	483.739	0.153	0.004
Other General Industrial Equipment	500	0.239	1.561	2.575	0.005	0.092	0.085	483.439	0.153	0.004
Other General Industrial Equipment	750	0.199	1.474	2.115	0.005	0.076	0.070	483.985	0.153	0.004

Other General Industrial Equipment	1000	0.264	1.076	4.834	0.005	0.117	0.108	482.545	0.153	0.004
Other Material Handling Equipment	50	1.275	6.139	5.179	0.005	0.452	0.416	535.347	0.169	0.005
Other Material Handling Equipment	120	0.360	3.636	3.566	0.005	0.231	0.212	484.113	0.153	0.004
Other Material Handling Equipment	175	0.280	3.185	2.774	0.005	0.139	0.128	482.713	0.153	0.004
Other Material Handling Equipment	250	0.300	1.341	3.817	0.005	0.123	0.113	481.959	0.153	0.004
Other Material Handling Equipment	500	0.291	1.620	3.371	0.005	0.128	0.118	480.748	0.152	0.004
Other Material Handling Equipment	9999	0.190	1.036	3.583	0.005	0.076	0.070	482.545	0.153	0.004
Pavers	25	1.418	5.657	4.916	0.005	0.436	0.401	538.325	0.170	0.005
Pavers	50	1.418	5.657	4.916	0.005	0.436	0.401	538.325	0.170	0.005
Pavers	120	0.496	3.622	4.670	0.005	0.346	0.318	480.251	0.152	0.004
Pavers	175	0.299	3.013	3.245	0.005	0.159	0.146	483.394	0.153	0.004
Pavers	250	0.187	1.032	3.111	0.005	0.084	0.077	483.574	0.153	0.004
Pavers	500	0.167	0.986	2.270	0.005	0.081	0.075	476.971	0.151	0.004
Paving Equipment	25	0.705	4.408	4.238	0.005	0.270	0.248	531.861	0.168	0.005
Paving Equipment	50	0.705	4.408	4.238	0.005	0.270	0.248	531.861	0.168	0.005
Paving Equipment	120	0.425	3.598	4.042	0.005	0.281	0.258	484.387	0.153	0.004
Paving Equipment	175	0.254	3.011	2.692	0.005	0.134	0.123	481.225	0.152	0.004
Paving Equipment	250	0.241	1.244	3.251	0.005	0.112	0.103	482.644	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.662	3.562	4.617	0.008	0.224	0.224	568.299	0.059	0.005
Pressure Washers	25	0.731	2.501	4.596	0.007	0.214	0.214	568.299	0.066	0.005
Pressure Washers	50	0.569	3.457	4.053	0.007	0.184	0.184	568.299	0.051	0.005
Pressure Washers	120	0.337	3.240	3.295	0.006	0.174	0.174	568.299	0.030	0.004
Pressure Washers	175	0.280	2.907	2.670	0.006	0.117	0.117	568.299	0.025	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.748	3.562	4.647	0.008	0.241	0.241	568.300	0.067	0.005
Pumps	25	0.787	2.501	4.596	0.007	0.222	0.222	568.300	0.071	0.005
Pumps	50	0.849	4.284	4.269	0.007	0.235	0.235	568.299	0.076	0.005
Pumps	120	0.429	3.449	3.497	0.006	0.217	0.217	568.299	0.038	0.004
Pumps	175	0.309	2.974	2.711	0.006	0.124	0.124	568.299	0.027	0.004
Pumps	250	0.226	1.052	2.323	0.006	0.067	0.067	568.299	0.020	0.004
Pumps	500	0.214	1.027	2.084	0.005	0.064	0.064	568.300	0.019	0.004
Pumps	750	0.217	1.027	2.133	0.005	0.065	0.065	568.299	0.019	0.004
Pumps	9999	0.273	1.118	3.873	0.005	0.089	0.089	568.299	0.024	0.004
Rollers	15	0.972	4.778	4.645	0.005	0.349	0.321	537.546	0.170	0.005
Rollers	25	0.972	4.778	4.645	0.005	0.349	0.321	537.546	0.170	0.005
Rollers	50	0.972	4.778	4.645	0.005	0.349	0.321	537.546	0.170	0.005
Rollers	120	0.423	3.557	4.179	0.005	0.275	0.253	484.336	0.153	0.004
Rollers	175	0.231	2.933	2.699	0.005	0.124	0.114	482.453	0.153	0.004
Rollers	250	0.211	1.249	2.883	0.005	0.092	0.084	483.777	0.153	0.004
Rollers	500	0.234	2.101	2.908	0.005	0.111	0.102	489.977	0.155	0.004
Rough Terrain Forklifts	50	1.009	4.674	4.557	0.005	0.328	0.302	537.329	0.170	0.005
Rough Terrain Forklifts	120	0.202	3.258	2.622	0.005	0.117	0.108	483.311	0.153	0.004
Rough Terrain Forklifts	175	0.149	2.841	2.058	0.005	0.075	0.069	482.119	0.153	0.004
Rough Terrain Forklifts	250	0.109	0.974	1.639	0.005	0.036	0.034	483.088	0.153	0.004
Rough Terrain Forklifts	500	0.116	0.950	1.961	0.005	0.043	0.040	477.254	0.151	0.004
Rubber Tired Dozers	175	0.759	3.949	7.520	0.005	0.433	0.398	483.559	0.153	0.004
Rubber Tired Dozers	250	0.651	2.459	6.929	0.005	0.338	0.311	485.172	0.154	0.004
Rubber Tired Dozers	500	0.572	4.743	6.143	0.005	0.283	0.260	490.383	0.155	0.004
Rubber Tired Dozers	750	0.455	2.598	6.122	0.005	0.218	0.201	483.579	0.153	0.004
Rubber Tired Dozers	1000	0.547	2.281	5.528	0.005	0.171	0.171	568.299	0.049	0.004
Rubber Tired Loaders	25	1.602	6.978	5.432	0.005	0.518	0.476	536.225	0.170	0.005
Rubber Tired Loaders	50	1.602	6.978	5.432	0.005	0.518	0.476	536.225	0.170	0.005
Rubber Tired Loaders	120	0.595	3.979	5.006	0.005	0.402	0.370	475.864	0.151	0.004
Rubber Tired Loaders	175	0.405	3.381	3.859	0.005	0.213	0.196	481.736	0.152	0.004
Rubber Tired Loaders	250	0.309	1.302	3.745	0.005	0.126	0.116	480.100	0.152	0.004

Rubber Tired Loaders										
	500	0.306	1.725	3.288	0.005	0.123	0.113	477.042	0.151	0.004
Rubber Tired Loaders										
	750	0.293	1.452	3.019	0.005	0.118	0.109	471.187	0.149	0.004
Rubber Tired Loaders										
	1000	0.323	1.208	5.459	0.005	0.146	0.135	480.523	0.152	0.004
Scrapers	120	0.718	4.197	6.841	0.005	0.526	0.483	494.100	0.156	0.004
Scrapers	175	0.510	3.533	5.264	0.005	0.283	0.261	489.255	0.155	0.004
Scrapers	250	0.501	2.233	5.831	0.005	0.257	0.236	479.032	0.152	0.004
Scrapers	500	0.343	2.595	4.156	0.005	0.163	0.150	482.732	0.153	0.004
Scrapers	750	0.277	1.829	3.431	0.005	0.123	0.113	482.596	0.153	0.004
Signal Boards										
	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards										
	50	0.887	4.538	4.272	0.007	0.236	0.236	568.300	0.080	0.005
Signal Boards										
	120	0.437	3.519	3.410	0.006	0.216	0.216	568.299	0.039	0.004
Signal Boards										
	175	0.321	3.043	2.601	0.006	0.125	0.125	568.299	0.029	0.004
Signal Boards										
	250	0.291	1.292	2.676	0.007	0.080	0.080	686.695	0.026	0.004
Skid Steer Loaders										
	25	0.446	3.740	3.750	0.005	0.154	0.141	539.267	0.171	0.005
Skid Steer Loaders										
	50	0.446	3.740	3.750	0.005	0.154	0.141	539.267	0.171	0.005
Skid Steer Loaders										
	120	0.199	3.277	2.656	0.005	0.122	0.112	482.384	0.153	0.004
Surfacing Equipment										
	50	0.643	4.100	4.420	0.006	0.250	0.230	547.046	0.173	0.005
Surfacing Equipment										
	120	0.355	3.449	3.823	0.005	0.226	0.208	484.076	0.153	0.004
Surfacing Equipment										
	175	0.357	2.972	4.239	0.005	0.204	0.187	479.672	0.152	0.004
Surfacing Equipment										
	250	0.217	1.216	3.400	0.005	0.101	0.093	486.842	0.154	0.004
Surfacing Equipment										
	500	0.146	1.214	1.899	0.005	0.068	0.063	481.897	0.153	0.004
Surfacing Equipment										
	750	0.142	0.994	2.179	0.005	0.076	0.070	480.166	0.152	0.004
Sweepers/Scrubbers										
	15	1.431	6.268	5.225	0.005	0.491	0.452	537.002	0.170	0.005
Sweepers/Scrubbers										
	25	1.431	6.268	5.225	0.005	0.491	0.452	537.002	0.170	0.005
Sweepers/Scrubbers										
	50	1.431	6.268	5.225	0.005	0.491	0.452	537.002	0.170	0.005
Sweepers/Scrubbers										
	120	0.550	3.846	4.773	0.005	0.387	0.356	484.652	0.153	0.004
Sweepers/Scrubbers										
	175	0.523	3.449	5.301	0.005	0.277	0.255	483.636	0.153	0.004
Sweepers/Scrubbers										
	250	0.235	1.230	2.866	0.005	0.099	0.091	480.574	0.152	0.004
Tractors/Loaders/Backhoes										
	25	0.920	5.203	4.609	0.005	0.330	0.304	527.684	0.167	0.005
Tractors/Loaders/Backhoes										
	50	0.920	5.203	4.609	0.005	0.330	0.304	527.684	0.167	0.005
Tractors/Loaders/Backhoes										
	120	0.368	3.638	3.693	0.005	0.247	0.227	485.855	0.154	0.004
Tractors/Loaders/Backhoes										
	175	0.270	3.122	2.784	0.005	0.140	0.129	477.915	0.151	0.004
Tractors/Loaders/Backhoes										
	250	0.245	1.220	3.147	0.005	0.102	0.094	481.421	0.152	0.004
Tractors/Loaders/Backhoes										
	500	0.206	1.389	2.345	0.005	0.082	0.075	479.083	0.152	0.004
Tractors/Loaders/Backhoes										
	750	0.262	1.603	3.120	0.005	0.117	0.107	478.922	0.152	0.004
Trenchers	15	0.955	4.892	4.785	0.005	0.377	0.347	539.104	0.171	0.005
Trenchers	25	0.955	4.892	4.785	0.005	0.377	0.347	539.104	0.171	0.005
Trenchers	50	0.955	4.892	4.785	0.005	0.377	0.347	539.104	0.171	0.005
Trenchers	120	0.631	3.837	5.695	0.005	0.431	0.396	485.364	0.154	0.004
Trenchers	175	0.460	3.342	4.960	0.005	0.255	0.234	478.129	0.151	0.004
Trenchers	250	0.405	1.810	5.047	0.005	0.203	0.187	484.117	0.153	0.004
Trenchers	500	0.254	1.987	3.128	0.005	0.118	0.109	482.165	0.153	0.004
Trenchers	750	0.078	0.956	0.707	0.005	0.015	0.014	484.542	0.153	0.004
Welders	15	0.748	3.562	4.647	0.008	0.241	0.241	568.299	0.067	0.005
Welders	25	0.787	2.501	4.596	0.007	0.222	0.222	568.299	0.071	0.005
Welders	50	1.055	4.950	4.449	0.007	0.273	0.273	568.299	0.095	0.005
Welders	120	0.503	3.623	3.648	0.006	0.250	0.250	568.299	0.045	0.004
Welders	175	0.370	3.122	2.832	0.006	0.143	0.143	568.300	0.033	0.004
Welders	250	0.276	1.104	2.432	0.006	0.075	0.075	568.299	0.024	0.004
Welders	500	0.264	1.065	2.163	0.005	0.072	0.072	568.300	0.023	0.004
Water Trucks										
	175	0.323	3.326	2.825	0.005	0.149	0.138	480.362	0.152	0.004
Water Trucks										
	250	0.307	1.461	2.985	0.005	0.119	0.110	480.170	0.152	0.004
Water Trucks										
	500	0.264	1.483	2.669	0.005	0.097	0.089	485.383	0.154	0.004
Water Trucks										
	750	0.327	2.041	3.320	0.005	0.129	0.118	483.218	0.153	0.004
Water Trucks										
	1000	0.295	1.356	4.765	0.005	0.124	0.114	480.348	0.152	0.004

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.168	3.099	2.955	0.005	0.031	0.028	525.074	0.170	0.005
Aerial Lifts	25	0.168	3.099	2.955	0.005	0.031	0.028	525.074	0.170	0.005
Aerial Lifts	50	0.168	3.099	2.955	0.005	0.031	0.028	525.074	0.170	0.005
Aerial Lifts	120	0.115	3.177	1.869	0.005	0.042	0.038	472.114	0.153	0.004
Aerial Lifts	500	0.069	0.946	0.638	0.005	0.009	0.008	472.055	0.153	0.004
Aerial Lifts	750	0.200	1.013	1.868	0.005	0.057	0.057	568.299	0.018	0.004
Air Compressor s	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Air Compressor s	25	0.769	2.473	4.538	0.007	0.212	0.212	568.300	0.069	0.005
Air Compressor s	50	1.001	5.164	4.397	0.007	0.250	0.250	568.299	0.090	0.005
Air Compressor s	120	0.489	3.698	3.400	0.006	0.224	0.224	568.299	0.044	0.004
Air Compressor s	175	0.374	3.203	2.558	0.006	0.133	0.133	568.299	0.033	0.004
Air Compressor s	250	0.288	1.121	2.172	0.006	0.069	0.069	568.299	0.026	0.004
Air Compressor s	500	0.279	1.076	1.935	0.005	0.067	0.067	568.299	0.025	0.004
Air Compressor s	750	0.280	1.076	1.982	0.005	0.067	0.067	568.299	0.025	0.004
Air Compressor s	1000	0.306	1.158	3.828	0.005	0.093	0.093	568.300	0.027	0.004
Bore/Drill Rigs	15	0.716	4.510	4.645	0.006	0.294	0.271	535.295	0.173	0.005
Bore/Drill Rigs	25	0.716	4.510	4.645	0.006	0.294	0.271	535.295	0.173	0.005
Bore/Drill Rigs	50	0.716	4.510	4.645	0.006	0.294	0.271	535.295	0.173	0.005
Bore/Drill Rigs	120	0.246	3.323	3.066	0.005	0.159	0.146	463.583	0.150	0.004
Bore/Drill Rigs	175	0.174	2.969	1.871	0.005	0.082	0.076	477.722	0.155	0.004
Bore/Drill Rigs	250	0.142	1.068	1.807	0.005	0.052	0.048	466.834	0.151	0.004
Bore/Drill Rigs	500	0.125	1.013	1.409	0.005	0.045	0.041	466.822	0.151	0.004
Bore/Drill Rigs	750	0.109	0.974	1.231	0.005	0.041	0.038	473.668	0.153	0.004
Bore/Drill Rigs	1000	0.133	0.988	3.050	0.005	0.061	0.056	471.849	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.723	2.397	4.442	0.007	0.187	0.187	568.299	0.065	0.005
Concrete/In dustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/In dustrial Saws	50	0.798	4.552	4.196	0.007	0.212	0.212	568.299	0.072	0.005
Concrete/In dustrial Saws	120	0.401	3.535	3.163	0.006	0.190	0.190	568.299	0.036	0.004
Concrete/In dustrial Saws	175	0.306	3.072	2.324	0.006	0.114	0.114	568.299	0.027	0.004
Cranes	50	2.084	7.376	5.985	0.005	0.624	0.574	517.926	0.168	0.005
Cranes	120	0.732	4.171	6.381	0.005	0.453	0.417	469.882	0.152	0.004
Cranes	175	0.537	3.562	5.570	0.005	0.298	0.274	474.594	0.154	0.004
Cranes	250	0.384	1.790	4.563	0.005	0.188	0.173	472.949	0.153	0.004
Cranes	500	0.321	2.660	3.862	0.005	0.155	0.142	472.558	0.153	0.004
Cranes	750	0.242	1.444	3.105	0.005	0.116	0.107	470.425	0.152	0.004
Cranes	9999	0.182	0.999	2.361	0.005	0.060	0.056	472.055	0.153	0.004
Crawler Tractors	50	2.053	7.300	5.643	0.005	0.591	0.544	515.679	0.167	0.005
Crawler Tractors	120	0.715	4.044	6.009	0.005	0.501	0.460	476.328	0.154	0.004
Crawler Tractors	175	0.476	3.340	4.872	0.005	0.272	0.250	471.015	0.152	0.004
Crawler Tractors	250	0.360	1.555	4.632	0.005	0.175	0.161	472.941	0.153	0.004
Crawler Tractors	500	0.301	2.088	3.622	0.005	0.141	0.130	475.234	0.154	0.004
Crawler Tractors	750	0.256	1.310	3.137	0.005	0.115	0.106	473.312	0.153	0.004
Crawler Tractors	1000	0.463	2.028	7.237	0.005	0.212	0.195	475.653	0.154	0.004
Crushing/Pr oc. Equipment	50	0.947	5.211	4.347	0.007	0.233	0.233	568.299	0.085	0.005
Crushing/Pr oc. Equipment	120	0.473	3.722	3.249	0.006	0.206	0.206	568.299	0.042	0.004
Crushing/Pr oc. Equipment	175	0.367	3.234	2.392	0.006	0.124	0.124	568.299	0.033	0.004
Crushing/Pr oc. Equipment	250	0.289	1.125	2.014	0.006	0.065	0.065	568.299	0.026	0.004
Crushing/Pr oc. Equipment	500	0.281	1.078	1.799	0.005	0.063	0.063	568.299	0.025	0.004
Crushing/Pr oc. Equipment	750	0.281	1.077	1.835	0.005	0.063	0.063	568.299	0.025	0.004
Crushing/Pr oc. Equipment	9999	0.329	1.153	3.699	0.005	0.089	0.089	568.299	0.029	0.004
Dumpers/Te nders	25	0.685	2.339	4.336	0.007	0.165	0.165	568.299	0.061	0.005
Excavators	25	0.593	4.500	4.031	0.005	0.222	0.204	525.368	0.170	0.005
Excavators	50	0.593	4.500	4.031	0.005	0.222	0.204	525.368	0.170	0.005

Excavators	120	0.299	3.505	3.090	0.005	0.185	0.170	468.055	0.151	0.004
Excavators	175	0.231	3.086	2.278	0.005	0.110	0.102	472.289	0.153	0.004
Excavators	250	0.177	1.118	2.027	0.005	0.061	0.057	471.883	0.153	0.004
Excavators	500	0.153	1.102	1.572	0.005	0.052	0.048	470.296	0.152	0.004
Excavators	750	0.170	1.145	1.797	0.005	0.061	0.056	468.871	0.152	0.004
Forklifts	50	1.124	5.706	4.686	0.005	0.360	0.331	525.483	0.170	0.005
Forklifts	120	0.459	3.760	4.133	0.005	0.308	0.283	471.529	0.153	0.004
Forklifts	175	0.338	3.249	3.320	0.005	0.180	0.165	472.106	0.153	0.004
Forklifts	250	0.293	1.442	3.241	0.005	0.126	0.116	473.326	0.153	0.004
Forklifts	500	0.251	1.478	2.440	0.005	0.097	0.089	473.615	0.153	0.004
Generator Sets	15	0.646	3.546	4.516	0.008	0.212	0.212	568.299	0.058	0.005
Generator Sets	25	0.721	2.473	4.538	0.007	0.205	0.205	568.299	0.065	0.005
Generator Sets	50	0.691	3.995	4.075	0.007	0.194	0.194	568.299	0.062	0.005
Generator Sets	120	0.364	3.380	3.173	0.006	0.179	0.179	568.299	0.032	0.004
Generator Sets	175	0.267	2.930	2.380	0.006	0.105	0.105	568.299	0.024	0.004
Generator Sets	250	0.198	1.026	2.016	0.006	0.057	0.057	568.299	0.017	0.004
Generator Sets	500	0.188	1.005	1.816	0.005	0.055	0.055	568.299	0.017	0.004
Generator Sets	750	0.191	1.005	1.858	0.005	0.056	0.056	568.299	0.017	0.004
Generator Sets	9999	0.242	1.082	3.608	0.005	0.079	0.079	568.300	0.021	0.004
Graders	50	2.516	8.134	5.825	0.005	0.709	0.652	492.862	0.159	0.005
Graders	120	0.976	4.561	7.725	0.005	0.622	0.572	469.337	0.152	0.004
Graders	175	0.567	3.621	5.530	0.005	0.309	0.284	478.040	0.155	0.004
Graders	250	0.352	1.342	4.678	0.005	0.150	0.138	475.304	0.154	0.004
Graders	500	0.322	1.526	3.107	0.005	0.121	0.111	471.980	0.153	0.004
Graders	750	0.319	1.229	2.031	0.005	0.072	0.072	568.299	0.028	0.004
Off-Highway Tractors	120	0.448	3.788	4.183	0.005	0.307	0.283	474.148	0.153	0.004
Off-Highway Tractors	175	0.271	3.215	2.890	0.005	0.140	0.129	472.917	0.153	0.004
Off-Highway Tractors	250	0.221	1.181	2.575	0.005	0.086	0.079	470.943	0.152	0.004
Off-Highway Tractors	750	0.201	1.131	2.047	0.005	0.076	0.070	471.815	0.153	0.004
Off-Highway Tractors	1000	0.150	1.022	2.396	0.005	0.063	0.058	472.055	0.153	0.004
Off-Highway Trucks	175	0.310	3.339	2.628	0.005	0.137	0.126	470.097	0.152	0.004
Off-Highway Trucks	250	0.275	1.391	2.507	0.005	0.098	0.090	470.168	0.152	0.004
Off-Highway Trucks	500	0.246	1.414	2.347	0.005	0.086	0.079	474.579	0.154	0.004
Off-Highway Trucks	750	0.312	2.027	3.058	0.005	0.120	0.110	472.750	0.153	0.004
Off-Highway Trucks	1000	0.303	1.372	4.794	0.005	0.125	0.115	469.889	0.152	0.004
Other Construction Equipment	15	1.072	5.404	5.036	0.005	0.405	0.373	527.966	0.171	0.005
Other Construction Equipment	25	1.072	5.404	5.036	0.005	0.405	0.373	527.966	0.171	0.005
Other Construction Equipment	50	1.072	5.404	5.036	0.005	0.405	0.373	527.966	0.171	0.005
Other Construction Equipment	120	0.519	3.732	4.771	0.005	0.354	0.325	472.216	0.153	0.004
Other Construction Equipment	175	0.388	3.235	4.112	0.005	0.217	0.200	469.984	0.152	0.004
Other Construction Equipment	500	0.224	1.634	2.637	0.005	0.096	0.088	475.233	0.154	0.004
Other General Industrial Equipment	15	0.946	5.504	4.622	0.005	0.334	0.307	526.176	0.170	0.005
Other General Industrial Equipment	25	0.946	5.504	4.622	0.005	0.334	0.307	526.176	0.170	0.005
Other General Industrial Equipment	50	0.946	5.504	4.622	0.005	0.334	0.307	526.176	0.170	0.005
Other General Industrial Equipment	120	0.446	3.771	4.061	0.005	0.296	0.272	470.000	0.152	0.004
Other General Industrial Equipment	175	0.268	3.229	2.575	0.005	0.135	0.124	471.850	0.153	0.004
Other General Industrial Equipment	250	0.237	1.239	2.668	0.005	0.090	0.083	473.223	0.153	0.004
Other General Industrial Equipment	500	0.208	1.344	2.062	0.005	0.072	0.067	472.929	0.153	0.004
Other General Industrial Equipment	750	0.175	1.462	1.676	0.005	0.062	0.057	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.271	1.085	4.857	0.005	0.119	0.109	472.055	0.153	0.004
Other Material Handling Equipment	50	1.245	6.167	5.139	0.005	0.439	0.404	523.709	0.169	0.005
Other Material Handling Equipment	120	0.307	3.589	3.104	0.005	0.182	0.168	473.588	0.153	0.004
Other Material Handling Equipment	175	0.252	3.171	2.367	0.005	0.118	0.109	472.219	0.153	0.004
Other Material Handling Equipment	250	0.291	1.319	3.599	0.005	0.115	0.106	471.482	0.153	0.004
Other Material Handling Equipment	500	0.283	1.523	3.210	0.005	0.120	0.110	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.200	1.049	3.614	0.005	0.078	0.072	472.055	0.153	0.004
Pavers	25	1.318	5.523	4.764	0.005	0.402	0.370	526.210	0.170	0.005
Pavers	50	1.318	5.523	4.764	0.005	0.402	0.370	526.210	0.170	0.005
Pavers	120	0.470	3.604	4.427	0.005	0.325	0.299	469.882	0.152	0.004
Pavers	175	0.273	3.010	2.918	0.005	0.142	0.131	472.775	0.153	0.004
Pavers	250	0.176	1.028	2.777	0.005	0.076	0.070	472.834	0.153	0.004
Pavers	500	0.165	0.987	2.134	0.005	0.077	0.071	466.206	0.151	0.004
Paving Equipment	25	0.621	4.223	3.952	0.005	0.217	0.200	520.124	0.168	0.005
Paving Equipment	50	0.621	4.223	3.952	0.005	0.217	0.200	520.124	0.168	0.005
Paving Equipment	120	0.397	3.582	3.781	0.005	0.256	0.235	473.325	0.153	0.004
Paving Equipment	175	0.248	3.024	2.555	0.005	0.128	0.118	470.736	0.152	0.004
Paving Equipment	250	0.244	1.252	3.220	0.005	0.111	0.102	472.151	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.646	3.546	4.516	0.008	0.212	0.212	568.299	0.058	0.005
Pressure Washers	25	0.721	2.473	4.538	0.007	0.205	0.205	568.299	0.065	0.005
Pressure Washers	50	0.499	3.393	3.917	0.007	0.161	0.161	568.299	0.045	0.005
Pressure Washers	120	0.298	3.225	3.036	0.006	0.151	0.151	568.299	0.026	0.004
Pressure Washers	175	0.258	2.907	2.383	0.006	0.104	0.104	568.299	0.023	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Pumps	25	0.769	2.473	4.538	0.007	0.212	0.212	568.299	0.069	0.005
Pumps	50	0.755	4.197	4.128	0.007	0.206	0.206	568.299	0.068	0.005
Pumps	120	0.386	3.432	3.219	0.006	0.189	0.189	568.299	0.034	0.004
Pumps	175	0.285	2.974	2.418	0.006	0.111	0.111	568.299	0.025	0.004
Pumps	250	0.212	1.042	2.050	0.006	0.060	0.060	568.299	0.019	0.004
Pumps	500	0.203	1.017	1.841	0.005	0.057	0.057	568.300	0.018	0.004
Pumps	750	0.205	1.017	1.884	0.005	0.058	0.058	568.299	0.018	0.004
Pumps	9999	0.255	1.096	3.649	0.005	0.081	0.081	568.300	0.023	0.004
Rollers	15	0.926	4.725	4.534	0.005	0.329	0.303	525.880	0.170	0.005
Rollers	25	0.926	4.725	4.534	0.005	0.329	0.303	525.880	0.170	0.005
Rollers	50	0.926	4.725	4.534	0.005	0.329	0.303	525.880	0.170	0.005
Rollers	120	0.388	3.531	3.882	0.005	0.248	0.228	473.859	0.153	0.004
Rollers	175	0.215	2.933	2.452	0.005	0.113	0.104	471.918	0.153	0.004
Rollers	250	0.209	1.253	2.751	0.005	0.089	0.082	473.367	0.153	0.004
Rollers	500	0.235	2.113	2.828	0.005	0.109	0.101	479.325	0.155	0.004
Rough Terrain Forklifts	50	0.999	4.686	4.495	0.005	0.316	0.291	525.622	0.170	0.005
Rough Terrain Forklifts	120	0.189	3.256	2.452	0.005	0.103	0.094	472.984	0.153	0.004
Rough Terrain Forklifts	175	0.143	2.845	1.869	0.005	0.068	0.063	471.715	0.153	0.004
Rough Terrain Forklifts	250	0.112	0.978	1.609	0.005	0.037	0.034	472.567	0.153	0.004
Rough Terrain Forklifts	500	0.089	0.942	1.302	0.005	0.028	0.026	465.771	0.151	0.004
Rubber Tired Dozers	175	0.726	3.893	7.185	0.005	0.411	0.378	473.012	0.153	0.004
Rubber Tired Dozers	250	0.620	2.371	6.503	0.005	0.319	0.293	474.793	0.154	0.004
Rubber Tired Dozers	500	0.535	4.411	5.641	0.005	0.259	0.238	479.757	0.155	0.004
Rubber Tired Dozers	750	0.457	2.601	6.123	0.005	0.218	0.201	473.056	0.153	0.004
Rubber Tired Dozers	1000	0.522	2.164	5.306	0.005	0.160	0.160	568.299	0.047	0.004
Rubber Tired Loaders	25	1.481	6.768	5.254	0.005	0.474	0.436	524.697	0.170	0.005
Rubber Tired Loaders	50	1.481	6.768	5.254	0.005	0.474	0.436	524.697	0.170	0.005
Rubber Tired Loaders	120	0.556	3.948	4.686	0.005	0.367	0.338	465.674	0.151	0.004
Rubber Tired Loaders	175	0.379	3.368	3.517	0.005	0.194	0.178	471.214	0.152	0.004
Rubber Tired Loaders	250	0.290	1.269	3.421	0.005	0.114	0.105	469.513	0.152	0.004

Rubber Tired Loaders	500	0.289	1.630	3.017	0.005	0.112	0.103	466.783	0.151	0.004
Rubber Tired Loaders	750	0.277	1.400	2.767	0.005	0.108	0.099	462.193	0.150	0.004
Rubber Tired Loaders	1000	0.312	1.204	5.253	0.005	0.139	0.127	469.935	0.152	0.004
Scrapers	120	0.701	4.198	6.677	0.005	0.510	0.469	483.745	0.157	0.004
Scrapers	175	0.478	3.501	4.869	0.005	0.262	0.241	478.608	0.155	0.004
Scrapers	250	0.446	2.065	5.089	0.005	0.223	0.205	468.988	0.152	0.004
Scrapers	500	0.320	2.401	3.783	0.005	0.148	0.136	472.175	0.153	0.004
Scrapers	750	0.262	1.725	3.126	0.005	0.113	0.104	471.778	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.788	4.448	4.132	0.007	0.206	0.206	568.299	0.071	0.005
Signal Boards	120	0.395	3.504	3.134	0.006	0.187	0.187	568.299	0.035	0.004
Signal Boards	175	0.298	3.043	2.309	0.006	0.110	0.110	568.299	0.026	0.004
Signal Boards	250	0.274	1.281	2.350	0.007	0.071	0.071	686.695	0.024	0.004
Skid Steer Loaders	25	0.439	3.764	3.691	0.005	0.145	0.133	527.758	0.171	0.005
Skid Steer Loaders	50	0.439	3.764	3.691	0.005	0.145	0.133	527.758	0.171	0.005
Skid Steer Loaders	120	0.188	3.277	2.505	0.005	0.108	0.100	471.908	0.153	0.004
Surfacing Equipment	50	0.536	3.934	4.239	0.006	0.216	0.199	535.528	0.173	0.005
Surfacing Equipment	120	0.330	3.439	3.612	0.005	0.206	0.190	473.819	0.153	0.004
Surfacing Equipment	175	0.308	2.931	3.672	0.005	0.175	0.161	469.208	0.152	0.004
Surfacing Equipment	250	0.212	1.218	3.222	0.005	0.097	0.089	476.426	0.154	0.004
Surfacing Equipment	500	0.146	1.219	1.838	0.005	0.067	0.062	471.633	0.153	0.004
Surfacing Equipment	750	0.142	0.996	2.094	0.005	0.074	0.068	469.625	0.152	0.004
Sweepers/S crubbers	15	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/S crubbers	25	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/S crubbers	50	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/S crubbers	120	0.520	3.828	4.482	0.005	0.360	0.331	474.116	0.153	0.004
Sweepers/S crubbers	175	0.462	3.359	4.608	0.005	0.237	0.218	473.122	0.153	0.004
Sweepers/S crubbers	250	0.207	1.137	2.486	0.005	0.079	0.073	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.830	5.035	4.398	0.005	0.288	0.265	515.874	0.167	0.005
Tractors/Loaders/Backhoes	50	0.830	5.035	4.398	0.005	0.288	0.265	515.874	0.167	0.005
Tractors/Loaders/Backhoes	120	0.331	3.601	3.326	0.005	0.210	0.194	475.154	0.154	0.004
Tractors/Loaders/Backhoes	175	0.246	3.105	2.415	0.005	0.122	0.112	467.513	0.151	0.004
Tractors/Loaders/Backhoes	250	0.225	1.196	2.738	0.005	0.090	0.083	470.500	0.152	0.004
Tractors/Loaders/Backhoes	500	0.194	1.358	2.080	0.005	0.073	0.067	468.245	0.151	0.004
Tractors/Loaders/Backhoes	750	0.268	1.610	3.119	0.005	0.117	0.108	468.660	0.152	0.004
Trenchers	15	0.905	4.833	4.677	0.005	0.356	0.328	527.096	0.171	0.005
Trenchers	25	0.905	4.833	4.677	0.005	0.356	0.328	527.096	0.171	0.005
Trenchers	50	0.905	4.833	4.677	0.005	0.356	0.328	527.096	0.171	0.005
Trenchers	120	0.610	3.833	5.520	0.005	0.413	0.380	475.127	0.154	0.004
Trenchers	175	0.421	3.330	4.460	0.005	0.228	0.210	467.735	0.151	0.004
Trenchers	250	0.392	1.774	4.809	0.005	0.195	0.179	473.595	0.153	0.004
Trenchers	500	0.233	1.859	2.775	0.005	0.105	0.097	470.637	0.152	0.004
Trenchers	750	0.070	0.950	0.560	0.005	0.009	0.008	472.656	0.153	0.004
Welders	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Welders	25	0.769	2.473	4.538	0.007	0.212	0.212	568.299	0.069	0.005
Welders	50	0.937	4.840	4.304	0.007	0.238	0.238	568.299	0.084	0.005
Welders	120	0.455	3.605	3.351	0.006	0.216	0.216	568.299	0.041	0.004
Welders	175	0.344	3.122	2.523	0.006	0.127	0.127	568.299	0.031	0.004
Welders	250	0.261	1.093	2.143	0.006	0.066	0.066	568.299	0.023	0.004
Welders	500	0.252	1.055	1.910	0.005	0.064	0.064	568.299	0.022	0.004
Water Trucks	175	0.310	3.339	2.628	0.005	0.137	0.126	470.097	0.152	0.004
Water Trucks	250	0.275	1.391	2.507	0.005	0.098	0.090	470.168	0.152	0.004
Water Trucks	500	0.246	1.414	2.347	0.005	0.086	0.079	474.579	0.154	0.004
Water Trucks	750	0.312	2.027	3.058	0.005	0.120	0.110	472.750	0.153	0.004
Water Trucks	1000	0.303	1.372	4.794	0.005	0.125	0.115	469.889	0.152	0.004

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.165	3.114	2.922	0.005	0.027	0.024	525.074	0.170	0.005
Aerial Lifts	25	0.165	3.114	2.922	0.005	0.027	0.024	525.074	0.170	0.005
Aerial Lifts	50	0.165	3.114	2.922	0.005	0.027	0.024	525.074	0.170	0.005
Aerial Lifts	120	0.109	3.176	1.744	0.005	0.033	0.031	472.114	0.153	0.004
Aerial Lifts	500	0.072	0.951	0.640	0.005	0.009	0.008	472.055	0.153	0.004
Aerial Lifts	750	0.187	1.004	1.610	0.005	0.050	0.050	568.299	0.016	0.004
Air Compressor s	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Air Compressor s	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Air Compressor s	50	0.887	5.021	4.221	0.007	0.212	0.212	568.299	0.080	0.005
Air Compressor s	120	0.442	3.670	3.083	0.006	0.190	0.190	568.299	0.039	0.004
Air Compressor s	175	0.343	3.192	2.218	0.006	0.115	0.115	568.299	0.030	0.004
Air Compressor s	250	0.268	1.108	1.859	0.006	0.060	0.060	568.299	0.024	0.004
Air Compressor s	500	0.261	1.064	1.663	0.005	0.058	0.058	568.299	0.023	0.004
Air Compressor s	750	0.262	1.064	1.699	0.005	0.058	0.058	568.299	0.023	0.004
Air Compressor s	1000	0.284	1.134	3.565	0.005	0.082	0.082	568.300	0.025	0.004
Bore/Drill Rigs	15	0.711	4.548	4.634	0.006	0.291	0.268	535.378	0.173	0.005
Bore/Drill Rigs	25	0.711	4.548	4.634	0.006	0.291	0.268	535.378	0.173	0.005
Bore/Drill Rigs	50	0.711	4.548	4.634	0.006	0.291	0.268	535.378	0.173	0.005
Bore/Drill Rigs	120	0.217	3.306	2.737	0.005	0.131	0.121	464.973	0.150	0.004
Bore/Drill Rigs	175	0.154	2.961	1.598	0.005	0.070	0.064	477.048	0.154	0.004
Bore/Drill Rigs	250	0.133	1.064	1.551	0.005	0.047	0.043	467.992	0.151	0.004
Bore/Drill Rigs	500	0.117	1.015	1.221	0.005	0.041	0.038	469.816	0.152	0.004
Bore/Drill Rigs	750	0.098	0.972	0.955	0.005	0.033	0.031	474.079	0.153	0.004
Bore/Drill Rigs	1000	0.136	0.993	3.058	0.005	0.061	0.057	471.816	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.712	2.381	4.419	0.007	0.180	0.180	568.299	0.064	0.005
Concrete/In dustrial Saws	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/In dustrial Saws	50	0.722	4.481	4.063	0.007	0.184	0.184	568.300	0.065	0.005
Concrete/In dustrial Saws	120	0.369	3.523	2.913	0.006	0.166	0.166	568.299	0.033	0.004
Concrete/In dustrial Saws	175	0.286	3.072	2.055	0.006	0.101	0.101	568.299	0.025	0.004
Cranes	50	2.115	7.489	6.014	0.005	0.631	0.581	517.900	0.168	0.005
Cranes	120	0.651	4.065	5.731	0.005	0.398	0.366	469.887	0.152	0.004
Cranes	175	0.498	3.516	5.113	0.005	0.273	0.251	474.546	0.154	0.004
Cranes	250	0.350	1.678	4.104	0.005	0.167	0.153	472.906	0.153	0.004
Cranes	500	0.295	2.448	3.443	0.005	0.139	0.127	472.455	0.153	0.004
Cranes	750	0.228	1.440	2.727	0.005	0.107	0.098	470.550	0.152	0.004
Cranes	9999	0.192	1.008	2.374	0.005	0.061	0.057	472.055	0.153	0.004
Crawler Tractors	50	2.064	7.349	5.615	0.005	0.591	0.543	516.108	0.167	0.005
Crawler Tractors	120	0.673	4.005	5.657	0.005	0.466	0.429	476.437	0.154	0.004
Crawler Tractors	175	0.436	3.310	4.395	0.005	0.245	0.225	471.421	0.153	0.004
Crawler Tractors	250	0.343	1.515	4.334	0.005	0.163	0.150	472.925	0.153	0.004
Crawler Tractors	500	0.283	2.024	3.276	0.005	0.129	0.119	474.484	0.154	0.004
Crawler Tractors	750	0.239	1.270	2.825	0.005	0.104	0.096	473.094	0.153	0.004
Crawler Tractors	1000	0.399	1.896	6.399	0.005	0.182	0.167	471.822	0.153	0.004
Crushing/Pr oc. Equipment	50	0.862	5.136	4.211	0.007	0.201	0.201	568.299	0.077	0.005
Crushing/Pr oc. Equipment	120	0.438	3.711	2.989	0.006	0.178	0.178	568.299	0.039	0.004
Crushing/Pr oc. Equipment	175	0.344	3.235	2.114	0.006	0.109	0.109	568.299	0.031	0.004
Crushing/Pr oc. Equipment	250	0.274	1.119	1.756	0.006	0.057	0.057	568.299	0.024	0.004
Crushing/Pr oc. Equipment	500	0.268	1.072	1.574	0.005	0.055	0.055	568.300	0.024	0.004
Crushing/Pr oc. Equipment	750	0.268	1.072	1.606	0.005	0.055	0.055	568.299	0.024	0.004
Crushing/Pr oc. Equipment	9999	0.314	1.136	3.487	0.005	0.080	0.080	568.299	0.028	0.004
Dumpers/Te nders	25	0.685	2.339	4.333	0.007	0.163	0.163	568.299	0.061	0.005
Excavators	25	0.562	4.461	3.919	0.005	0.202	0.186	525.377	0.170	0.005
Excavators	50	0.562	4.461	3.919	0.005	0.202	0.186	525.377	0.170	0.005

Excavators	120	0.275	3.492	2.849	0.005	0.161	0.148	467.791	0.151	0.004
Excavators	175	0.216	3.090	2.034	0.005	0.099	0.091	472.359	0.153	0.004
Excavators	250	0.163	1.103	1.706	0.005	0.052	0.048	471.793	0.153	0.004
Excavators	500	0.143	1.088	1.332	0.005	0.045	0.041	469.616	0.152	0.004
Excavators	750	0.165	1.150	1.619	0.005	0.056	0.052	469.547	0.152	0.004
Forklifts	50	1.002	5.535	4.520	0.005	0.318	0.292	525.483	0.170	0.005
Forklifts	120	0.412	3.720	3.756	0.005	0.267	0.245	471.529	0.153	0.004
Forklifts	175	0.308	3.231	2.921	0.005	0.158	0.145	472.106	0.153	0.004
Forklifts	250	0.249	1.337	2.582	0.005	0.099	0.091	473.326	0.153	0.004
Forklifts	500	0.254	1.485	2.303	0.005	0.094	0.086	473.615	0.153	0.004
Generator Sets	15	0.634	3.531	4.441	0.008	0.201	0.201	568.299	0.057	0.005
Generator Sets	25	0.712	2.446	4.497	0.007	0.196	0.196	568.299	0.064	0.005
Generator Sets	50	0.613	3.905	3.916	0.007	0.165	0.165	568.299	0.055	0.005
Generator Sets	120	0.326	3.361	2.888	0.006	0.153	0.153	568.299	0.029	0.004
Generator Sets	175	0.243	2.925	2.068	0.006	0.091	0.091	568.299	0.021	0.004
Generator Sets	250	0.183	1.016	1.730	0.006	0.049	0.049	568.299	0.016	0.004
Generator Sets	500	0.175	0.996	1.562	0.005	0.048	0.048	568.299	0.015	0.004
Generator Sets	750	0.177	0.996	1.596	0.005	0.048	0.048	568.299	0.016	0.004
Generator Sets	9999	0.220	1.060	3.372	0.005	0.070	0.070	568.300	0.019	0.004
Graders	50	2.235	7.626	5.485	0.005	0.631	0.581	492.935	0.159	0.005
Graders	120	0.901	4.452	7.125	0.005	0.570	0.524	469.070	0.152	0.004
Graders	175	0.505	3.559	4.839	0.005	0.270	0.248	478.529	0.155	0.004
Graders	250	0.335	1.307	4.381	0.005	0.139	0.128	474.539	0.154	0.004
Graders	500	0.322	1.460	3.013	0.005	0.117	0.108	471.898	0.153	0.004
Graders	750	0.303	1.207	1.808	0.005	0.064	0.064	568.299	0.027	0.004
Off-Highway Tractors	120	0.395	3.743	3.773	0.005	0.261	0.240	474.516	0.154	0.004
Off-Highway Tractors	175	0.259	3.220	2.660	0.005	0.129	0.118	472.924	0.153	0.004
Off-Highway Tractors	250	0.200	1.162	2.113	0.005	0.072	0.067	471.003	0.152	0.004
Off-Highway Tractors	750	0.181	1.122	1.715	0.005	0.063	0.058	471.806	0.153	0.004
Off-Highway Tractors	1000	0.160	1.033	2.414	0.005	0.064	0.059	472.055	0.153	0.004
Off-Highway Trucks	175	0.278	3.324	2.246	0.005	0.113	0.104	470.290	0.152	0.004
Off-Highway Trucks	250	0.249	1.348	2.109	0.005	0.082	0.076	470.193	0.152	0.004
Off-Highway Trucks	500	0.225	1.338	1.954	0.005	0.072	0.066	474.542	0.154	0.004
Off-Highway Trucks	750	0.293	1.935	2.668	0.005	0.106	0.098	472.991	0.153	0.004
Off-Highway Trucks	1000	0.256	1.252	4.158	0.005	0.099	0.091	471.055	0.152	0.004
Other Construction Equipment	15	1.010	5.307	4.902	0.005	0.382	0.351	527.783	0.171	0.005
Other Construction Equipment	25	1.010	5.307	4.902	0.005	0.382	0.351	527.783	0.171	0.005
Other Construction Equipment	50	1.010	5.307	4.902	0.005	0.382	0.351	527.783	0.171	0.005
Other Construction Equipment	120	0.482	3.703	4.456	0.005	0.323	0.298	472.275	0.153	0.004
Other Construction Equipment	175	0.330	3.183	3.438	0.005	0.180	0.165	469.764	0.152	0.004
Other Construction Equipment	500	0.215	1.599	2.428	0.005	0.090	0.083	475.212	0.154	0.004
Other General Industrial Equipment	15	0.831	5.314	4.425	0.005	0.289	0.266	526.176	0.170	0.005
Other General Industrial Equipment	25	0.831	5.314	4.425	0.005	0.289	0.266	526.176	0.170	0.005
Other General Industrial Equipment	50	0.831	5.314	4.425	0.005	0.289	0.266	526.176	0.170	0.005
Other General Industrial Equipment	120	0.404	3.740	3.718	0.005	0.256	0.235	470.000	0.152	0.004
Other General Industrial Equipment	175	0.254	3.234	2.347	0.005	0.121	0.111	471.850	0.153	0.004
Other General Industrial Equipment	250	0.204	1.171	2.094	0.005	0.070	0.064	473.223	0.153	0.004
Other General Industrial Equipment	500	0.195	1.330	1.796	0.005	0.064	0.059	472.929	0.153	0.004
Other General Industrial Equipment	750	0.166	1.463	1.387	0.005	0.054	0.050	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.276	1.093	4.876	0.005	0.120	0.110	472.055	0.153	0.004
Other Material Handling Equipment	50	1.108	5.960	4.966	0.005	0.396	0.364	523.709	0.169	0.005
Other Material Handling Equipment	120	0.294	3.602	2.956	0.005	0.166	0.152	473.588	0.153	0.004
Other Material Handling Equipment	175	0.249	3.196	2.246	0.005	0.114	0.105	472.219	0.153	0.004
Other Material Handling Equipment	250	0.269	1.309	3.082	0.005	0.102	0.094	471.482	0.153	0.004
Other Material Handling Equipment	500	0.254	1.442	2.602	0.005	0.101	0.093	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.073	0.972	2.318	0.005	0.020	0.018	472.055	0.153	0.004
Pavers	25	1.208	5.302	4.602	0.005	0.370	0.340	526.515	0.170	0.005
Pavers	50	1.208	5.302	4.602	0.005	0.370	0.340	526.515	0.170	0.005
Pavers	120	0.420	3.563	4.026	0.005	0.285	0.263	469.774	0.152	0.004
Pavers	175	0.256	3.016	2.695	0.005	0.130	0.120	472.555	0.153	0.004
Pavers	250	0.166	1.024	2.484	0.005	0.070	0.064	472.477	0.153	0.004
Pavers	500	0.164	0.988	2.053	0.005	0.074	0.068	465.591	0.151	0.004
Paving Equipment	25	0.587	4.211	3.882	0.005	0.200	0.184	520.397	0.168	0.005
Paving Equipment	50	0.587	4.211	3.882	0.005	0.200	0.184	520.397	0.168	0.005
Paving Equipment	120	0.355	3.554	3.451	0.005	0.219	0.202	473.221	0.153	0.004
Paving Equipment	175	0.229	3.032	2.315	0.005	0.114	0.105	470.650	0.152	0.004
Paving Equipment	250	0.211	1.209	2.582	0.005	0.092	0.085	472.151	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.634	3.531	4.441	0.008	0.201	0.201	568.299	0.057	0.005
Pressure Washers	25	0.712	2.446	4.497	0.007	0.196	0.196	568.299	0.064	0.005
Pressure Washers	50	0.439	3.329	3.765	0.007	0.136	0.136	568.299	0.039	0.005
Pressure Washers	120	0.264	3.210	2.766	0.006	0.129	0.129	568.299	0.023	0.004
Pressure Washers	175	0.238	2.907	2.118	0.006	0.093	0.093	568.299	0.021	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Pumps	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Pumps	50	0.671	4.099	3.966	0.007	0.175	0.175	568.299	0.060	0.005
Pumps	120	0.347	3.412	2.928	0.006	0.162	0.162	568.300	0.031	0.004
Pumps	175	0.260	2.968	2.101	0.006	0.096	0.096	568.299	0.023	0.004
Pumps	250	0.197	1.031	1.759	0.006	0.052	0.052	568.299	0.017	0.004
Pumps	500	0.189	1.007	1.584	0.005	0.050	0.050	568.299	0.017	0.004
Pumps	750	0.191	1.007	1.618	0.005	0.050	0.050	568.299	0.017	0.004
Pumps	9999	0.233	1.074	3.409	0.005	0.072	0.072	568.300	0.021	0.004
Rollers	15	0.848	4.597	4.351	0.005	0.294	0.270	525.791	0.170	0.005
Rollers	25	0.848	4.597	4.351	0.005	0.294	0.270	525.791	0.170	0.005
Rollers	50	0.848	4.597	4.351	0.005	0.294	0.270	525.791	0.170	0.005
Rollers	120	0.353	3.507	3.589	0.005	0.219	0.202	473.901	0.153	0.004
Rollers	175	0.193	2.926	2.117	0.005	0.097	0.090	471.980	0.153	0.004
Rollers	250	0.197	1.228	2.493	0.005	0.081	0.075	473.470	0.153	0.004
Rollers	500	0.221	1.950	2.589	0.005	0.100	0.092	479.329	0.155	0.004
Rough Terrain Forklifts	50	0.969	4.657	4.411	0.005	0.304	0.280	525.384	0.170	0.005
Rough Terrain Forklifts	120	0.175	3.252	2.285	0.005	0.089	0.082	473.110	0.153	0.004
Rough Terrain Forklifts	175	0.130	2.845	1.617	0.005	0.060	0.055	471.758	0.153	0.004
Rough Terrain Forklifts	250	0.115	0.984	1.612	0.005	0.037	0.034	472.547	0.153	0.004
Rough Terrain Forklifts	500	0.092	0.946	1.302	0.005	0.028	0.026	465.744	0.151	0.004
Rubber Tired Dozers	175	0.691	3.848	6.790	0.005	0.386	0.356	472.975	0.153	0.004
Rubber Tired Dozers	250	0.601	2.317	6.296	0.005	0.306	0.281	474.798	0.154	0.004
Rubber Tired Dozers	500	0.492	4.041	5.081	0.005	0.232	0.214	478.987	0.155	0.004
Rubber Tired Dozers	750	0.458	2.604	6.123	0.005	0.218	0.201	473.046	0.153	0.004
Rubber Tired Dozers	1000	0.497	2.057	5.095	0.005	0.150	0.150	568.299	0.044	0.004
Rubber Tired Loaders	25	1.326	6.449	4.974	0.005	0.409	0.377	524.551	0.170	0.005
Rubber Tired Loaders	50	1.326	6.449	4.974	0.005	0.409	0.377	524.551	0.170	0.005
Rubber Tired Loaders	120	0.498	3.892	4.215	0.005	0.316	0.291	466.421	0.151	0.004
Rubber Tired Loaders	175	0.346	3.354	3.119	0.005	0.171	0.157	471.080	0.152	0.004
Rubber Tired Loaders	250	0.266	1.240	2.998	0.005	0.100	0.092	469.564	0.152	0.004

Rubber Tired Loaders	500	0.264	1.529	2.610	0.005	0.097	0.090	467.928	0.151	0.004
Rubber Tired Loaders	750	0.271	1.397	2.641	0.005	0.102	0.094	462.055	0.149	0.004
Rubber Tired Loaders	1000	0.294	1.206	4.975	0.005	0.128	0.118	471.258	0.152	0.004
Scrapers	120	0.704	4.218	6.659	0.005	0.512	0.471	483.713	0.156	0.004
Scrapers	175	0.432	3.456	4.341	0.005	0.232	0.213	478.654	0.155	0.004
Scrapers	250	0.391	1.884	4.367	0.005	0.189	0.174	469.126	0.152	0.004
Scrapers	500	0.299	2.255	3.445	0.005	0.134	0.123	472.464	0.153	0.004
Scrapers	750	0.250	1.658	2.887	0.005	0.105	0.097	471.786	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.714	4.380	4.002	0.007	0.179	0.179	568.299	0.064	0.005
Signal Boards	120	0.363	3.493	2.889	0.006	0.162	0.162	568.299	0.032	0.004
Signal Boards	175	0.278	3.043	2.043	0.006	0.098	0.098	568.299	0.025	0.004
Signal Boards	250	0.260	1.273	2.053	0.007	0.063	0.063	686.695	0.023	0.004
Skid Steer Loaders	25	0.409	3.732	3.573	0.005	0.126	0.116	527.450	0.171	0.005
Skid Steer Loaders	50	0.409	3.732	3.573	0.005	0.126	0.116	527.450	0.171	0.005
Skid Steer Loaders	120	0.178	3.277	2.366	0.005	0.096	0.089	471.977	0.153	0.004
Surfacing Equipment	50	0.507	3.932	4.189	0.006	0.204	0.188	535.784	0.173	0.005
Surfacing Equipment	120	0.312	3.436	3.461	0.005	0.191	0.175	474.091	0.153	0.004
Surfacing Equipment	175	0.258	2.919	3.099	0.005	0.145	0.134	469.169	0.152	0.004
Surfacing Equipment	250	0.207	1.219	2.994	0.005	0.092	0.085	476.802	0.154	0.004
Surfacing Equipment	500	0.141	1.202	1.753	0.005	0.064	0.058	471.748	0.153	0.004
Surfacing Equipment	750	0.125	0.992	1.597	0.005	0.062	0.057	470.409	0.152	0.004
Sweepers/S crubbers	15	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/S crubbers	25	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/S crubbers	50	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/S crubbers	120	0.440	3.757	3.962	0.005	0.291	0.268	474.116	0.153	0.004
Sweepers/S crubbers	175	0.385	3.247	3.707	0.005	0.187	0.172	473.122	0.153	0.004
Sweepers/S crubbers	250	0.164	1.108	1.758	0.005	0.055	0.051	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.756	4.902	4.226	0.005	0.255	0.234	515.121	0.167	0.005
Tractors/Loaders/Backhoes	50	0.756	4.902	4.226	0.005	0.255	0.234	515.121	0.167	0.005
Tractors/Loaders/Backhoes	120	0.296	3.571	2.995	0.005	0.177	0.163	475.362	0.154	0.004
Tractors/Loaders/Backhoes	175	0.221	3.091	2.062	0.005	0.104	0.096	467.529	0.151	0.004
Tractors/Loaders/Backhoes	250	0.209	1.186	2.369	0.005	0.080	0.074	470.572	0.152	0.004
Tractors/Loaders/Backhoes	500	0.179	1.341	1.776	0.005	0.064	0.059	469.303	0.152	0.004
Tractors/Loaders/Backhoes	750	0.247	1.433	2.754	0.005	0.104	0.096	466.456	0.151	0.004
Trenchers	15	0.809	4.666	4.459	0.005	0.313	0.288	527.017	0.170	0.005
Trenchers	25	0.809	4.666	4.459	0.005	0.313	0.288	527.017	0.170	0.005
Trenchers	50	0.809	4.666	4.459	0.005	0.313	0.288	527.017	0.170	0.005
Trenchers	120	0.556	3.789	5.106	0.005	0.371	0.341	475.287	0.154	0.004
Trenchers	175	0.407	3.304	4.272	0.005	0.219	0.201	467.734	0.151	0.004
Trenchers	250	0.356	1.668	4.360	0.005	0.172	0.158	473.854	0.153	0.004
Trenchers	500	0.221	1.865	2.491	0.005	0.100	0.092	470.701	0.152	0.004
Trenchers	750	0.066	0.947	0.475	0.005	0.009	0.008	472.529	0.153	0.004
Welders	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Welders	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Welders	50	0.829	4.708	4.133	0.007	0.203	0.203	568.299	0.074	0.005
Welders	120	0.411	3.579	3.042	0.006	0.184	0.184	568.299	0.037	0.004
Welders	175	0.315	3.112	2.189	0.006	0.110	0.110	568.299	0.028	0.004
Welders	250	0.243	1.081	1.836	0.006	0.057	0.057	568.299	0.021	0.004
Welders	500	0.236	1.044	1.642	0.005	0.055	0.055	568.299	0.021	0.004
Water Trucks	175	0.278	3.324	2.246	0.005	0.113	0.104	470.290	0.152	0.004
Water Trucks	250	0.249	1.348	2.109	0.005	0.082	0.076	470.193	0.152	0.004
Water Trucks	500	0.225	1.338	1.954	0.005	0.072	0.066	474.542	0.154	0.004
Water Trucks	750	0.293	1.935	2.668	0.005	0.106	0.098	472.991	0.153	0.004
Water Trucks	1000	0.256	1.252	4.158	0.005	0.099	0.091	471.055	0.152	0.004

2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.162	3.112	2.907	0.005	0.024	0.022	525.074	0.170	0.005
Aerial Lifts	25	0.162	3.112	2.907	0.005	0.024	0.022	525.074	0.170	0.005
Aerial Lifts	50	0.162	3.112	2.907	0.005	0.024	0.022	525.074	0.170	0.005
Aerial Lifts	120	0.105	3.176	1.627	0.005	0.030	0.028	472.114	0.153	0.004
Aerial Lifts	500	0.075	0.956	0.642	0.005	0.009	0.008	472.055	0.153	0.004
Aerial Lifts	750	0.177	0.998	1.424	0.005	0.044	0.044	568.299	0.016	0.004
Air Compressor s	15	0.707	3.519	4.408	0.008	0.203	0.203	568.299	0.063	0.005
Air Compressor s	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Air Compressor s	50	0.814	4.959	4.093	0.007	0.183	0.183	568.299	0.073	0.005
Air Compressor s	120	0.413	3.662	2.844	0.006	0.165	0.165	568.299	0.037	0.004
Air Compressor s	175	0.322	3.194	1.959	0.006	0.101	0.101	568.299	0.029	0.004
Air Compressor s	250	0.255	1.102	1.617	0.006	0.052	0.052	568.300	0.023	0.004
Air Compressor s	500	0.249	1.059	1.472	0.005	0.051	0.051	568.299	0.022	0.004
Air Compressor s	750	0.250	1.059	1.502	0.005	0.051	0.051	568.299	0.022	0.004
Air Compressor s	1000	0.269	1.117	3.378	0.005	0.075	0.075	568.300	0.024	0.004
Bore/Drill Rigs	15	0.631	4.334	4.285	0.006	0.241	0.221	529.870	0.171	0.005
Bore/Drill Rigs	25	0.631	4.334	4.285	0.006	0.241	0.221	529.870	0.171	0.005
Bore/Drill Rigs	50	0.631	4.334	4.285	0.006	0.241	0.221	529.870	0.171	0.005
Bore/Drill Rigs	120	0.191	3.260	2.425	0.005	0.107	0.099	462.267	0.150	0.004
Bore/Drill Rigs	175	0.137	2.954	1.288	0.005	0.057	0.052	477.372	0.154	0.004
Bore/Drill Rigs	250	0.115	1.047	1.163	0.005	0.037	0.034	468.760	0.152	0.004
Bore/Drill Rigs	500	0.108	1.002	1.035	0.005	0.035	0.032	467.192	0.151	0.004
Bore/Drill Rigs	750	0.091	0.975	0.773	0.005	0.028	0.026	477.141	0.154	0.004
Bore/Drill Rigs	1000	0.057	0.945	2.278	0.005	0.018	0.017	472.921	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.704	2.367	4.399	0.007	0.175	0.175	568.299	0.063	0.005
Concrete/In dustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/In dustrial Saws	50	0.660	4.422	3.936	0.007	0.158	0.158	568.300	0.059	0.005
Concrete/In dustrial Saws	120	0.343	3.514	2.686	0.006	0.144	0.144	568.299	0.031	0.004
Concrete/In dustrial Saws	175	0.267	3.072	1.806	0.006	0.089	0.089	568.300	0.024	0.004
Cranes	50	2.028	7.368	5.899	0.005	0.603	0.555	517.872	0.168	0.005
Cranes	120	0.578	3.972	5.149	0.005	0.346	0.318	469.993	0.152	0.004
Cranes	175	0.457	3.475	4.617	0.005	0.246	0.227	474.589	0.154	0.004
Cranes	250	0.316	1.602	3.541	0.005	0.147	0.135	472.983	0.153	0.004
Cranes	500	0.261	2.212	2.894	0.005	0.117	0.108	472.181	0.153	0.004
Cranes	750	0.200	1.283	2.251	0.005	0.089	0.082	470.476	0.152	0.004
Cranes	9999	0.201	1.015	2.386	0.005	0.062	0.057	472.055	0.153	0.004
Crawler Tractors	50	1.899	7.041	5.380	0.005	0.539	0.496	516.148	0.167	0.005
Crawler Tractors	120	0.600	3.925	5.101	0.005	0.408	0.375	476.022	0.154	0.004
Crawler Tractors	175	0.389	3.264	3.827	0.005	0.214	0.197	471.567	0.153	0.004
Crawler Tractors	250	0.306	1.440	3.737	0.005	0.141	0.130	472.098	0.153	0.004
Crawler Tractors	500	0.254	1.916	2.744	0.005	0.111	0.102	474.412	0.153	0.004
Crawler Tractors	750	0.198	1.186	2.126	0.005	0.079	0.073	472.876	0.153	0.004
Crawler Tractors	1000	0.357	1.732	5.923	0.005	0.162	0.149	470.701	0.152	0.004
Crushing/Pr oc. Equipment	50	0.795	5.081	4.083	0.007	0.172	0.172	568.299	0.071	0.005
Crushing/Pr oc. Equipment	120	0.410	3.704	2.758	0.006	0.154	0.154	568.299	0.037	0.004
Crushing/Pr oc. Equipment	175	0.323	3.237	1.861	0.006	0.095	0.095	568.299	0.029	0.004
Crushing/Pr oc. Equipment	250	0.260	1.114	1.521	0.006	0.050	0.050	568.299	0.023	0.004
Crushing/Pr oc. Equipment	500	0.255	1.067	1.389	0.005	0.048	0.048	568.299	0.023	0.004
Crushing/Pr oc. Equipment	750	0.256	1.067	1.416	0.005	0.048	0.048	568.299	0.023	0.004
Crushing/Pr oc. Equipment	9999	0.300	1.121	3.310	0.005	0.073	0.073	568.299	0.027	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Excavators	25	0.478	4.273	3.700	0.005	0.160	0.147	525.447	0.170	0.005
Excavators	50	0.478	4.273	3.700	0.005	0.160	0.147	525.447	0.170	0.005

Excavators	120	0.252	3.473	2.606	0.005	0.138	0.127	467.626	0.151	0.004
Excavators	175	0.191	3.074	1.678	0.005	0.081	0.075	472.192	0.153	0.004
Excavators	250	0.148	1.092	1.386	0.005	0.044	0.040	472.041	0.153	0.004
Excavators	500	0.128	1.061	1.040	0.005	0.035	0.032	469.711	0.152	0.004
Excavators	750	0.150	1.144	1.287	0.005	0.047	0.043	469.289	0.152	0.004
Forklifts	50	0.859	5.304	4.312	0.005	0.270	0.248	525.483	0.170	0.005
Forklifts	120	0.362	3.675	3.360	0.005	0.223	0.205	471.529	0.153	0.004
Forklifts	175	0.273	3.197	2.480	0.005	0.132	0.122	472.106	0.153	0.004
Forklifts	250	0.236	1.317	2.319	0.005	0.090	0.083	473.326	0.153	0.004
Forklifts	500	0.232	1.219	1.991	0.005	0.077	0.071	473.615	0.153	0.004
Generator Sets	15	0.626	3.519	4.390	0.008	0.193	0.193	568.299	0.056	0.005
Generator Sets	25	0.706	2.426	4.470	0.007	0.188	0.188	568.299	0.063	0.005
Generator Sets	50	0.560	3.858	3.796	0.007	0.143	0.143	568.299	0.050	0.005
Generator Sets	120	0.301	3.353	2.671	0.006	0.134	0.134	568.299	0.027	0.004
Generator Sets	175	0.226	2.926	1.830	0.006	0.081	0.081	568.299	0.020	0.004
Generator Sets	250	0.173	1.010	1.508	0.006	0.043	0.043	568.299	0.015	0.004
Generator Sets	500	0.166	0.990	1.384	0.005	0.042	0.042	568.299	0.015	0.004
Generator Sets	750	0.168	0.990	1.412	0.005	0.043	0.043	568.299	0.015	0.004
Generator Sets	9999	0.206	1.045	3.202	0.005	0.063	0.063	568.299	0.018	0.004
Graders	50	2.106	7.428	5.332	0.005	0.595	0.547	493.025	0.160	0.005
Graders	120	0.796	4.330	6.360	0.005	0.493	0.453	469.630	0.152	0.004
Graders	175	0.440	3.493	4.125	0.005	0.229	0.211	478.566	0.155	0.004
Graders	250	0.307	1.273	3.888	0.005	0.124	0.114	474.239	0.153	0.004
Graders	500	0.311	1.390	2.802	0.005	0.108	0.100	471.928	0.153	0.004
Graders	750	0.289	1.187	1.606	0.005	0.057	0.057	568.299	0.026	0.004
Off-Highway Tractors	120	0.348	3.710	3.400	0.005	0.219	0.202	475.234	0.154	0.004
Off-Highway Tractors	175	0.231	3.186	2.239	0.005	0.107	0.099	472.811	0.153	0.004
Off-Highway Tractors	250	0.180	1.143	1.732	0.005	0.060	0.055	471.131	0.152	0.004
Off-Highway Tractors	750	0.171	1.121	1.433	0.005	0.055	0.050	471.939	0.153	0.004
Off-Highway Tractors	1000	0.170	1.044	2.432	0.005	0.066	0.060	472.055	0.153	0.004
Off-Highway Trucks	175	0.241	3.284	1.811	0.005	0.088	0.081	470.181	0.152	0.004
Off-Highway Trucks	250	0.215	1.279	1.618	0.005	0.064	0.059	469.615	0.152	0.004
Off-Highway Trucks	500	0.196	1.247	1.490	0.005	0.054	0.050	474.714	0.154	0.004
Off-Highway Trucks	750	0.263	1.746	2.268	0.005	0.088	0.081	473.977	0.153	0.004
Off-Highway Trucks	1000	0.234	1.214	3.842	0.005	0.086	0.079	472.344	0.153	0.004
Other Construction Equipment	15	0.920	5.167	4.741	0.005	0.348	0.320	529.183	0.171	0.005
Other Construction Equipment	25	0.920	5.167	4.741	0.005	0.348	0.320	529.183	0.171	0.005
Other Construction Equipment	50	0.920	5.167	4.741	0.005	0.348	0.320	529.183	0.171	0.005
Other Construction Equipment	120	0.440	3.666	4.098	0.005	0.288	0.265	472.318	0.153	0.004
Other Construction Equipment	175	0.295	3.155	2.994	0.005	0.156	0.144	469.613	0.152	0.004
Other Construction Equipment	500	0.188	1.438	1.975	0.005	0.074	0.068	475.998	0.154	0.004
Other General Industrial Equipment	15	0.702	5.076	4.197	0.005	0.238	0.219	526.176	0.170	0.005
Other General Industrial Equipment	25	0.702	5.076	4.197	0.005	0.238	0.219	526.176	0.170	0.005
Other General Industrial Equipment	50	0.702	5.076	4.197	0.005	0.238	0.219	526.176	0.170	0.005
Other General Industrial Equipment	120	0.339	3.668	3.200	0.005	0.199	0.183	470.000	0.152	0.004
Other General Industrial Equipment	175	0.244	3.233	2.150	0.005	0.111	0.102	471.850	0.153	0.004
Other General Industrial Equipment	250	0.187	1.138	1.759	0.005	0.057	0.052	473.223	0.153	0.004
Other General Industrial Equipment	500	0.175	1.171	1.433	0.005	0.050	0.046	472.929	0.153	0.004
Other General Industrial Equipment	750	0.149	1.457	1.062	0.005	0.046	0.042	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.187	1.039	3.942	0.005	0.079	0.073	472.055	0.153	0.004
Other Material Handling Equipment	50	1.103	5.984	4.920	0.005	0.385	0.354	523.709	0.169	0.005
Other Material Handling Equipment	120	0.247	3.557	2.567	0.005	0.121	0.111	473.588	0.153	0.004
Other Material Handling Equipment	175	0.226	3.176	1.894	0.005	0.103	0.095	472.219	0.153	0.004
Other Material Handling Equipment	250	0.229	1.239	2.425	0.005	0.083	0.076	471.482	0.153	0.004
Other Material Handling Equipment	500	0.226	1.346	2.063	0.005	0.083	0.077	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.076	0.978	2.328	0.005	0.020	0.018	472.055	0.153	0.004
Pavers	25	1.092	5.114	4.421	0.005	0.330	0.303	526.896	0.170	0.005
Pavers	50	1.092	5.114	4.421	0.005	0.330	0.303	526.896	0.170	0.005
Pavers	120	0.373	3.525	3.659	0.005	0.248	0.228	470.185	0.152	0.004
Pavers	175	0.215	2.995	2.180	0.005	0.104	0.095	472.760	0.153	0.004
Pavers	250	0.140	1.012	1.900	0.005	0.055	0.050	472.372	0.153	0.004
Pavers	500	0.150	0.982	1.810	0.005	0.063	0.058	466.004	0.151	0.004
Paving Equipment	25	0.572	4.244	3.836	0.005	0.188	0.173	520.659	0.168	0.005
Paving Equipment	50	0.572	4.244	3.836	0.005	0.188	0.173	520.659	0.168	0.005
Paving Equipment	120	0.296	3.501	3.000	0.005	0.171	0.157	473.448	0.153	0.004
Paving Equipment	175	0.213	3.038	2.073	0.005	0.101	0.093	470.665	0.152	0.004
Paving Equipment	250	0.196	1.204	2.228	0.005	0.083	0.076	472.169	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.626	3.519	4.390	0.008	0.193	0.193	568.299	0.056	0.005
Pressure Washers	25	0.706	2.426	4.470	0.007	0.188	0.188	568.299	0.063	0.005
Pressure Washers	50	0.398	3.291	3.649	0.007	0.117	0.117	568.300	0.035	0.005
Pressure Washers	120	0.241	3.202	2.560	0.006	0.112	0.112	568.299	0.021	0.004
Pressure Washers	175	0.221	2.907	1.871	0.006	0.082	0.082	568.299	0.019	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.707	3.519	4.408	0.008	0.203	0.203	568.299	0.063	0.005
Pumps	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Pumps	50	0.614	4.048	3.846	0.007	0.152	0.152	568.299	0.055	0.005
Pumps	120	0.321	3.404	2.708	0.006	0.142	0.142	568.299	0.029	0.004
Pumps	175	0.242	2.969	1.860	0.006	0.085	0.085	568.299	0.021	0.004
Pumps	250	0.186	1.025	1.534	0.006	0.045	0.045	568.299	0.016	0.004
Pumps	500	0.180	1.001	1.404	0.005	0.044	0.044	568.300	0.016	0.004
Pumps	750	0.181	1.001	1.432	0.005	0.044	0.044	568.300	0.016	0.004
Pumps	9999	0.219	1.058	3.236	0.005	0.065	0.065	568.299	0.019	0.004
Rollers	15	0.738	4.402	4.128	0.005	0.250	0.230	525.691	0.170	0.005
Rollers	25	0.738	4.402	4.128	0.005	0.250	0.230	525.691	0.170	0.005
Rollers	50	0.738	4.402	4.128	0.005	0.250	0.230	525.691	0.170	0.005
Rollers	120	0.310	3.470	3.219	0.005	0.186	0.171	473.929	0.153	0.004
Rollers	175	0.164	2.913	1.714	0.005	0.079	0.072	471.948	0.153	0.004
Rollers	250	0.187	1.228	2.212	0.005	0.077	0.071	473.514	0.153	0.004
Rollers	500	0.218	1.955	2.463	0.005	0.097	0.089	478.982	0.155	0.004
Rough Terrain Forklifts	50	0.789	4.304	4.041	0.005	0.238	0.219	525.015	0.170	0.005
Rough Terrain Forklifts	120	0.159	3.244	2.098	0.005	0.073	0.067	473.089	0.153	0.004
Rough Terrain Forklifts	175	0.120	2.844	1.405	0.005	0.051	0.047	471.677	0.153	0.004
Rough Terrain Forklifts	250	0.119	0.989	1.617	0.005	0.037	0.034	472.541	0.153	0.004
Rough Terrain Forklifts	500	0.068	0.937	0.558	0.005	0.009	0.008	466.560	0.151	0.004
Rubber Tired Dozers	175	0.600	3.752	5.808	0.005	0.326	0.300	473.912	0.153	0.004
Rubber Tired Dozers	250	0.480	2.056	5.046	0.005	0.240	0.220	474.617	0.154	0.004
Rubber Tired Dozers	500	0.475	3.895	4.808	0.005	0.220	0.202	479.311	0.155	0.004
Rubber Tired Dozers	750	0.460	2.607	6.122	0.005	0.218	0.201	473.035	0.153	0.004
Rubber Tired Dozers	1000	0.475	1.961	4.896	0.005	0.140	0.140	568.299	0.042	0.004
Rubber Tired Loaders	25	1.179	6.204	4.748	0.005	0.354	0.326	524.791	0.170	0.005
Rubber Tired Loaders	50	1.179	6.204	4.748	0.005	0.354	0.326	524.791	0.170	0.005
Rubber Tired Loaders	120	0.440	3.839	3.768	0.005	0.267	0.245	466.494	0.151	0.004
Rubber Tired Loaders	175	0.295	3.302	2.518	0.005	0.136	0.125	470.927	0.152	0.004
Rubber Tired Loaders	250	0.226	1.188	2.347	0.005	0.079	0.072	469.904	0.152	0.004

Rubber Tired Loaders	500	0.237	1.441	2.175	0.005	0.081	0.075	468.129	0.151	0.004
Rubber Tired Loaders	750	0.233	1.315	2.097	0.005	0.080	0.074	463.819	0.150	0.004
Rubber Tired Loaders	1000	0.193	1.162	3.617	0.005	0.075	0.069	472.858	0.153	0.004
Scrapers	120	0.681	4.205	6.455	0.005	0.494	0.454	483.448	0.156	0.004
Scrapers	175	0.390	3.417	3.833	0.005	0.204	0.187	478.741	0.155	0.004
Scrapers	250	0.341	1.743	3.669	0.005	0.160	0.147	469.269	0.152	0.004
Scrapers	500	0.264	2.052	2.879	0.005	0.112	0.103	473.230	0.153	0.004
Scrapers	750	0.224	1.508	2.475	0.005	0.090	0.083	471.279	0.152	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.300	0.059	0.005
Signal Boards	50	0.655	4.325	3.880	0.007	0.154	0.154	568.299	0.059	0.005
Signal Boards	120	0.337	3.484	2.668	0.006	0.141	0.141	568.299	0.030	0.004
Signal Boards	175	0.260	3.044	1.801	0.006	0.086	0.086	568.299	0.023	0.004
Signal Boards	250	0.247	1.266	1.782	0.007	0.055	0.055	686.695	0.022	0.004
Skid Steer Loaders	25	0.365	3.656	3.433	0.005	0.103	0.095	527.273	0.171	0.005
Skid Steer Loaders	50	0.365	3.656	3.433	0.005	0.103	0.095	527.273	0.171	0.005
Skid Steer Loaders	120	0.164	3.270	2.189	0.005	0.081	0.075	472.432	0.153	0.004
Surfacing Equipment	50	0.428	3.772	3.911	0.006	0.154	0.142	535.836	0.173	0.005
Surfacing Equipment	120	0.293	3.409	3.250	0.005	0.175	0.161	473.636	0.153	0.004
Surfacing Equipment	175	0.239	2.910	2.701	0.005	0.130	0.120	469.126	0.152	0.004
Surfacing Equipment	250	0.196	1.217	2.667	0.005	0.085	0.078	476.951	0.154	0.004
Surfacing Equipment	500	0.132	1.160	1.557	0.005	0.057	0.053	470.525	0.152	0.004
Surfacing Equipment	750	0.115	0.988	1.355	0.005	0.052	0.048	470.400	0.152	0.004
Sweepers/S crubbers	15	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/S crubbers	25	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/S crubbers	50	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/S crubbers	120	0.372	3.692	3.472	0.005	0.232	0.214	474.116	0.153	0.004
Sweepers/S crubbers	175	0.321	3.222	3.002	0.005	0.145	0.133	473.122	0.153	0.004
Sweepers/S crubbers	250	0.152	1.101	1.605	0.005	0.050	0.046	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.688	4.760	4.030	0.005	0.218	0.200	514.461	0.166	0.005
Tractors/Loaders/Backhoes	50	0.688	4.760	4.030	0.005	0.218	0.200	514.461	0.166	0.005
Tractors/Loaders/Backhoes	120	0.260	3.536	2.647	0.005	0.142	0.131	475.898	0.154	0.004
Tractors/Loaders/Backhoes	175	0.200	3.079	1.753	0.005	0.089	0.082	467.800	0.151	0.004
Tractors/Loaders/Backhoes	250	0.187	1.162	1.943	0.005	0.067	0.062	470.124	0.152	0.004
Tractors/Loaders/Backhoes	500	0.160	1.280	1.437	0.005	0.053	0.049	469.256	0.152	0.004
Tractors/Loaders/Backhoes	750	0.232	1.353	2.453	0.005	0.094	0.087	466.633	0.151	0.004
Trenchers	15	0.722	4.518	4.269	0.005	0.275	0.253	527.026	0.171	0.005
Trenchers	25	0.722	4.518	4.269	0.005	0.275	0.253	527.026	0.171	0.005
Trenchers	50	0.722	4.518	4.269	0.005	0.275	0.253	527.026	0.171	0.005
Trenchers	120	0.529	3.778	4.913	0.005	0.348	0.320	475.326	0.154	0.004
Trenchers	175	0.396	3.313	4.103	0.005	0.212	0.195	467.734	0.151	0.004
Trenchers	250	0.335	1.663	3.853	0.005	0.161	0.148	473.851	0.153	0.004
Trenchers	500	0.212	1.872	2.212	0.005	0.094	0.086	470.585	0.152	0.004
Trenchers	750	0.057	0.945	0.301	0.005	0.009	0.008	474.289	0.153	0.004
Welders	15	0.707	3.519	4.408	0.008	0.203	0.203	568.300	0.063	0.005
Welders	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Welders	50	0.758	4.645	4.007	0.007	0.175	0.175	568.299	0.068	0.005
Welders	120	0.382	3.570	2.808	0.006	0.160	0.160	568.299	0.034	0.004
Welders	175	0.295	3.113	1.935	0.006	0.097	0.097	568.300	0.026	0.004
Welders	250	0.231	1.074	1.598	0.006	0.050	0.050	568.299	0.020	0.004
Welders	500	0.225	1.038	1.454	0.005	0.049	0.049	568.300	0.020	0.004
Water Trucks	175	0.241	3.284	1.811	0.005	0.088	0.081	470.181	0.152	0.004
Water Trucks	250	0.215	1.279	1.618	0.005	0.064	0.059	469.615	0.152	0.004
Water Trucks	500	0.196	1.247	1.490	0.005	0.054	0.050	474.714	0.154	0.004
Water Trucks	750	0.263	1.746	2.268	0.005	0.088	0.081	473.977	0.153	0.004
Water Trucks	1000	0.234	1.214	3.842	0.005	0.086	0.079	472.344	0.153	0.004

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.163	3.122	2.897	0.005	0.023	0.021	525.074	0.170	0.005
Aerial Lifts	25	0.163	3.122	2.897	0.005	0.023	0.021	525.074	0.170	0.005
Aerial Lifts	50	0.163	3.122	2.897	0.005	0.023	0.021	525.074	0.170	0.005
Aerial Lifts	120	0.101	3.170	1.548	0.005	0.027	0.025	472.114	0.153	0.004
Aerial Lifts	500	0.079	0.961	0.645	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.169	0.995	1.265	0.005	0.038	0.038	568.299	0.015	0.004
Air Compressor s	15	0.698	3.508	4.359	0.008	0.194	0.194	568.299	0.063	0.005
Air Compressor s	25	0.728	2.407	4.447	0.007	0.186	0.186	568.299	0.065	0.005
Air Compressor s	50	0.753	4.913	3.975	0.007	0.156	0.156	568.299	0.067	0.005
Air Compressor s	120	0.387	3.657	2.631	0.006	0.143	0.143	568.299	0.034	0.004
Air Compressor s	175	0.303	3.197	1.748	0.006	0.089	0.089	568.299	0.027	0.004
Air Compressor s	250	0.243	1.099	1.420	0.006	0.045	0.045	568.299	0.021	0.004
Air Compressor s	500	0.238	1.055	1.305	0.005	0.044	0.044	568.299	0.021	0.004
Air Compressor s	750	0.239	1.055	1.331	0.005	0.044	0.044	568.299	0.021	0.004
Air Compressor s	1000	0.256	1.102	3.221	0.005	0.068	0.068	568.299	0.023	0.004
Bore/Drill Rigs	15	0.606	4.311	4.208	0.006	0.226	0.208	531.986	0.172	0.005
Bore/Drill Rigs	25	0.606	4.311	4.208	0.006	0.226	0.208	531.986	0.172	0.005
Bore/Drill Rigs	50	0.606	4.311	4.208	0.006	0.226	0.208	531.986	0.172	0.005
Bore/Drill Rigs	120	0.187	3.258	2.357	0.005	0.102	0.093	461.214	0.149	0.004
Bore/Drill Rigs	175	0.125	2.969	1.078	0.005	0.048	0.044	479.647	0.155	0.004
Bore/Drill Rigs	250	0.110	1.043	1.047	0.005	0.034	0.031	469.706	0.152	0.004
Bore/Drill Rigs	500	0.101	0.989	0.898	0.005	0.030	0.028	464.041	0.150	0.004
Bore/Drill Rigs	750	0.091	0.982	0.717	0.005	0.026	0.024	479.220	0.155	0.004
Bore/Drill Rigs	1000	0.053	0.936	2.262	0.005	0.018	0.016	472.020	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.697	2.356	4.382	0.007	0.172	0.172	568.299	0.062	0.005
Concrete/In dustrial Saws	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/In dustrial Saws	50	0.606	4.372	3.815	0.007	0.134	0.134	568.299	0.054	0.005
Concrete/In dustrial Saws	120	0.320	3.507	2.478	0.006	0.123	0.123	568.300	0.028	0.004
Concrete/In dustrial Saws	175	0.250	3.072	1.599	0.006	0.077	0.077	568.299	0.022	0.004
Cranes	50	2.047	7.453	5.923	0.005	0.608	0.559	517.872	0.168	0.005
Cranes	120	0.552	3.944	4.875	0.005	0.323	0.297	469.889	0.152	0.004
Cranes	175	0.423	3.443	4.222	0.005	0.224	0.206	474.595	0.154	0.004
Cranes	250	0.297	1.553	3.229	0.005	0.135	0.124	472.974	0.153	0.004
Cranes	500	0.236	2.010	2.511	0.005	0.102	0.093	472.294	0.153	0.004
Cranes	750	0.195	1.282	2.073	0.005	0.084	0.077	470.251	0.152	0.004
Cranes	9999	0.211	1.023	2.399	0.005	0.063	0.058	472.055	0.153	0.004
Crawler Tractors	50	1.873	7.027	5.325	0.005	0.526	0.484	516.159	0.167	0.005
Crawler Tractors	120	0.558	3.889	4.762	0.005	0.373	0.343	476.158	0.154	0.004
Crawler Tractors	175	0.347	3.235	3.330	0.005	0.185	0.170	471.781	0.153	0.004
Crawler Tractors	250	0.276	1.395	3.187	0.005	0.124	0.114	471.624	0.153	0.004
Crawler Tractors	500	0.241	1.852	2.476	0.005	0.102	0.094	474.613	0.154	0.004
Crawler Tractors	750	0.184	1.159	1.867	0.005	0.069	0.064	472.530	0.153	0.004
Crawler Tractors	1000	0.268	1.610	4.770	0.005	0.118	0.109	473.666	0.153	0.004
Crushing/Pr oc. Equipment	50	0.739	5.039	3.962	0.007	0.146	0.146	568.299	0.066	0.005
Crushing/Pr oc. Equipment	120	0.385	3.700	2.552	0.006	0.132	0.132	568.299	0.034	0.004
Crushing/Pr oc. Equipment	175	0.304	3.240	1.654	0.006	0.083	0.083	568.299	0.027	0.004
Crushing/Pr oc. Equipment	250	0.248	1.111	1.330	0.006	0.043	0.043	568.299	0.022	0.004
Crushing/Pr oc. Equipment	500	0.244	1.064	1.227	0.005	0.042	0.042	568.299	0.022	0.004
Crushing/Pr oc. Equipment	750	0.244	1.065	1.251	0.005	0.042	0.042	568.300	0.022	0.004
Crushing/Pr oc. Equipment	9999	0.287	1.107	3.160	0.005	0.066	0.066	568.299	0.025	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Excavators	25	0.450	4.234	3.594	0.005	0.139	0.128	525.429	0.170	0.005
Excavators	50	0.450	4.234	3.594	0.005	0.139	0.128	525.429	0.170	0.005

Excavators	120	0.230	3.454	2.381	0.005	0.116	0.107	467.157	0.151	0.004
Excavators	175	0.178	3.076	1.462	0.005	0.072	0.066	472.277	0.153	0.004
Excavators	250	0.142	1.090	1.209	0.005	0.039	0.036	472.213	0.153	0.004
Excavators	500	0.122	1.051	0.893	0.005	0.030	0.028	469.889	0.152	0.004
Excavators	750	0.144	1.132	1.159	0.005	0.043	0.040	468.683	0.152	0.004
Forklifts	50	0.766	5.166	4.152	0.005	0.232	0.213	525.483	0.170	0.005
Forklifts	120	0.327	3.647	3.057	0.005	0.189	0.174	471.529	0.153	0.004
Forklifts	175	0.244	3.180	2.112	0.005	0.111	0.102	472.106	0.153	0.004
Forklifts	250	0.204	1.235	1.807	0.005	0.069	0.063	473.326	0.153	0.004
Forklifts	500	0.220	1.216	1.788	0.005	0.069	0.063	473.615	0.153	0.004
Generator Sets	15	0.618	3.508	4.345	0.008	0.186	0.186	568.299	0.055	0.005
Generator Sets	25	0.701	2.407	4.447	0.007	0.182	0.182	568.299	0.063	0.005
Generator Sets	50	0.514	3.819	3.685	0.007	0.124	0.124	568.299	0.046	0.005
Generator Sets	120	0.279	3.347	2.477	0.006	0.117	0.117	568.299	0.025	0.004
Generator Sets	175	0.211	2.927	1.635	0.006	0.071	0.071	568.299	0.019	0.004
Generator Sets	250	0.164	1.006	1.328	0.006	0.038	0.038	568.299	0.014	0.004
Generator Sets	500	0.158	0.986	1.228	0.005	0.037	0.037	568.299	0.014	0.004
Generator Sets	750	0.160	0.986	1.253	0.005	0.037	0.037	568.299	0.014	0.004
Generator Sets	9999	0.194	1.031	3.058	0.005	0.058	0.058	568.299	0.017	0.004
Graders	50	1.947	7.191	5.148	0.005	0.549	0.505	494.020	0.160	0.005
Graders	120	0.719	4.228	5.740	0.005	0.436	0.401	469.286	0.152	0.004
Graders	175	0.390	3.450	3.548	0.005	0.195	0.180	478.463	0.155	0.004
Graders	250	0.284	1.252	3.441	0.005	0.112	0.103	473.926	0.153	0.004
Graders	500	0.309	1.385	2.705	0.005	0.105	0.097	471.031	0.152	0.004
Graders	750	0.276	1.170	1.425	0.005	0.051	0.051	568.300	0.024	0.004
Off-Highway Tractors	120	0.316	3.687	3.095	0.005	0.187	0.172	476.087	0.154	0.004
Off-Highway Tractors	175	0.201	3.143	1.785	0.005	0.085	0.079	472.996	0.153	0.004
Off-Highway Tractors	250	0.171	1.138	1.491	0.005	0.053	0.049	470.845	0.152	0.004
Off-Highway Tractors	750	0.168	1.124	1.289	0.005	0.051	0.047	471.932	0.153	0.004
Off-Highway Tractors	1000	0.180	1.055	2.449	0.005	0.067	0.062	472.055	0.153	0.004
Off-Highway Trucks	175	0.236	3.304	1.683	0.005	0.081	0.074	470.292	0.152	0.004
Off-Highway Trucks	250	0.207	1.273	1.456	0.005	0.059	0.054	469.446	0.152	0.004
Off-Highway Trucks	500	0.187	1.221	1.324	0.005	0.048	0.044	475.049	0.154	0.004
Off-Highway Trucks	750	0.263	1.719	2.182	0.005	0.084	0.078	473.767	0.153	0.004
Off-Highway Trucks	1000	0.214	1.194	3.544	0.005	0.074	0.068	472.857	0.153	0.004
Other Construction Equipment	15	0.866	5.074	4.594	0.006	0.322	0.296	529.339	0.171	0.005
Other Construction Equipment	25	0.866	5.074	4.594	0.006	0.322	0.296	529.339	0.171	0.005
Other Construction Equipment	50	0.866	5.074	4.594	0.006	0.322	0.296	529.339	0.171	0.005
Other Construction Equipment	120	0.406	3.632	3.790	0.005	0.259	0.238	471.990	0.153	0.004
Other Construction Equipment	175	0.274	3.142	2.698	0.005	0.141	0.129	469.558	0.152	0.004
Other Construction Equipment	500	0.180	1.396	1.812	0.005	0.069	0.063	476.185	0.154	0.004
Other General Industrial Equipment	15	0.603	4.883	3.993	0.005	0.194	0.179	526.176	0.170	0.005
Other General Industrial Equipment	25	0.603	4.883	3.993	0.005	0.194	0.179	526.176	0.170	0.005
Other General Industrial Equipment	50	0.603	4.883	3.993	0.005	0.194	0.179	526.176	0.170	0.005
Other General Industrial Equipment	120	0.308	3.647	2.924	0.005	0.169	0.155	470.000	0.152	0.004
Other General Industrial Equipment	175	0.201	3.175	1.609	0.005	0.080	0.074	471.850	0.153	0.004
Other General Industrial Equipment	250	0.181	1.140	1.530	0.005	0.051	0.047	473.223	0.153	0.004
Other General Industrial Equipment	500	0.164	1.121	1.256	0.005	0.043	0.040	472.929	0.153	0.004
Other General Industrial Equipment	750	0.111	1.105	0.626	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.193	1.049	3.956	0.005	0.080	0.073	472.055	0.153	0.004
Other Material Handling Equipment	50	1.011	5.757	4.684	0.005	0.340	0.313	523.709	0.169	0.005
Other Material Handling Equipment	120	0.225	3.515	2.298	0.005	0.104	0.095	473.588	0.153	0.004
Other Material Handling Equipment	175	0.217	3.171	1.769	0.005	0.096	0.088	472.219	0.153	0.004
Other Material Handling Equipment	250	0.207	1.209	2.004	0.005	0.069	0.064	471.482	0.153	0.004
Other Material Handling Equipment	500	0.218	1.344	1.870	0.005	0.078	0.072	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.054	0.939	2.268	0.005	0.018	0.017	472.055	0.153	0.004
Pavers	25	1.007	5.007	4.285	0.005	0.299	0.275	526.860	0.170	0.005
Pavers	50	1.007	5.007	4.285	0.005	0.299	0.275	526.860	0.170	0.005
Pavers	120	0.349	3.507	3.427	0.005	0.226	0.208	470.084	0.152	0.004
Pavers	175	0.199	2.994	1.955	0.005	0.092	0.085	472.718	0.153	0.004
Pavers	250	0.130	1.010	1.611	0.005	0.047	0.043	472.605	0.153	0.004
Pavers	500	0.152	0.987	1.771	0.005	0.062	0.057	466.004	0.151	0.004
Paving Equipment	25	0.541	4.241	3.774	0.005	0.173	0.159	521.114	0.169	0.005
Paving Equipment	50	0.541	4.241	3.774	0.005	0.173	0.159	521.114	0.169	0.005
Paving Equipment	120	0.278	3.503	2.837	0.005	0.153	0.140	473.427	0.153	0.004
Paving Equipment	175	0.204	3.051	1.913	0.005	0.093	0.086	470.663	0.152	0.004
Paving Equipment	250	0.175	1.165	1.885	0.005	0.070	0.065	472.169	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.618	3.508	4.345	0.008	0.186	0.186	568.299	0.055	0.005
Pressure Washers	25	0.701	2.407	4.447	0.007	0.182	0.182	568.299	0.063	0.005
Pressure Washers	50	0.363	3.260	3.541	0.007	0.101	0.101	568.299	0.032	0.005
Pressure Washers	120	0.222	3.196	2.377	0.006	0.097	0.097	568.299	0.020	0.004
Pressure Washers	175	0.205	2.907	1.665	0.006	0.072	0.072	568.299	0.018	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.698	3.508	4.359	0.008	0.194	0.194	568.299	0.063	0.005
Pumps	25	0.728	2.407	4.447	0.007	0.186	0.186	568.299	0.065	0.005
Pumps	50	0.565	4.007	3.734	0.007	0.131	0.131	568.299	0.051	0.005
Pumps	120	0.299	3.398	2.511	0.006	0.123	0.123	568.299	0.026	0.004
Pumps	175	0.227	2.971	1.662	0.006	0.075	0.075	568.299	0.020	0.004
Pumps	250	0.177	1.021	1.351	0.006	0.040	0.040	568.299	0.015	0.004
Pumps	500	0.171	0.998	1.246	0.005	0.038	0.038	568.300	0.015	0.004
Pumps	750	0.173	0.998	1.271	0.005	0.039	0.039	568.299	0.015	0.004
Pumps	9999	0.207	1.043	3.090	0.005	0.059	0.059	568.299	0.018	0.004
Rollers	15	0.661	4.252	3.921	0.005	0.212	0.195	525.862	0.170	0.005
Rollers	25	0.661	4.252	3.921	0.005	0.212	0.195	525.862	0.170	0.005
Rollers	50	0.661	4.252	3.921	0.005	0.212	0.195	525.862	0.170	0.005
Rollers	120	0.287	3.455	3.003	0.005	0.165	0.152	473.936	0.153	0.004
Rollers	175	0.150	2.909	1.483	0.005	0.068	0.062	471.935	0.153	0.004
Rollers	250	0.188	1.234	2.173	0.005	0.076	0.070	473.516	0.153	0.004
Rollers	500	0.211	1.956	2.290	0.005	0.093	0.085	478.303	0.155	0.004
Rough Terrain Forklifts	50	0.690	4.125	3.853	0.005	0.204	0.187	524.802	0.170	0.005
Rough Terrain Forklifts	120	0.150	3.242	1.984	0.005	0.064	0.059	473.158	0.153	0.004
Rough Terrain Forklifts	175	0.111	2.843	1.218	0.005	0.044	0.040	471.622	0.153	0.004
Rough Terrain Forklifts	250	0.116	0.990	1.474	0.005	0.034	0.032	472.778	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.938	0.558	0.005	0.009	0.008	466.554	0.151	0.004
Rubber Tired Dozers	175	0.588	3.766	5.656	0.005	0.316	0.291	473.901	0.153	0.004
Rubber Tired Dozers	250	0.393	1.783	4.090	0.005	0.184	0.169	474.597	0.154	0.004
Rubber Tired Dozers	500	0.447	3.686	4.408	0.005	0.202	0.185	479.468	0.155	0.004
Rubber Tired Dozers	750	0.423	2.591	5.334	0.005	0.196	0.180	473.023	0.153	0.004
Rubber Tired Dozers	1000	0.453	1.874	4.709	0.005	0.131	0.131	568.299	0.040	0.004
Rubber Tired Loaders	25	1.049	5.972	4.521	0.005	0.304	0.279	524.304	0.170	0.005
Rubber Tired Loaders	50	1.049	5.972	4.521	0.005	0.304	0.279	524.304	0.170	0.005
Rubber Tired Loaders	120	0.412	3.827	3.512	0.005	0.239	0.219	466.558	0.151	0.004
Rubber Tired Loaders	175	0.269	3.292	2.196	0.005	0.118	0.108	470.660	0.152	0.004
Rubber Tired Loaders	250	0.210	1.171	2.060	0.005	0.069	0.064	469.824	0.152	0.004

Rubber Tired Loaders	500	0.217	1.384	1.866	0.005	0.069	0.064	468.466	0.152	0.004
Rubber Tired Loaders	750	0.227	1.323	1.927	0.005	0.075	0.069	464.555	0.150	0.004
Rubber Tired Loaders	1000	0.193	1.174	3.528	0.005	0.071	0.065	472.303	0.153	0.004
Scrapers	120	0.630	4.144	6.026	0.005	0.458	0.421	483.030	0.156	0.004
Scrapers	175	0.361	3.395	3.479	0.005	0.184	0.169	478.681	0.155	0.004
Scrapers	250	0.317	1.678	3.284	0.005	0.144	0.133	469.560	0.152	0.004
Scrapers	500	0.253	1.975	2.666	0.005	0.105	0.096	473.177	0.153	0.004
Scrapers	750	0.222	1.513	2.386	0.005	0.087	0.080	471.295	0.152	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.603	4.282	3.767	0.007	0.132	0.132	568.299	0.054	0.005
Signal Boards	120	0.315	3.478	2.472	0.006	0.122	0.122	568.299	0.028	0.004
Signal Boards	175	0.244	3.045	1.602	0.006	0.075	0.075	568.299	0.022	0.004
Signal Boards	250	0.235	1.263	1.562	0.007	0.048	0.048	686.695	0.021	0.004
Skid Steer Loaders	25	0.353	3.654	3.371	0.005	0.093	0.086	527.423	0.171	0.005
Skid Steer Loaders	50	0.353	3.654	3.371	0.005	0.093	0.086	527.423	0.171	0.005
Skid Steer Loaders	120	0.153	3.266	2.039	0.005	0.069	0.063	472.656	0.153	0.004
Surfacing Equipment	50	0.437	3.832	3.924	0.006	0.156	0.143	535.930	0.173	0.005
Surfacing Equipment	120	0.270	3.396	3.058	0.005	0.157	0.144	474.470	0.154	0.004
Surfacing Equipment	175	0.224	2.914	2.455	0.005	0.119	0.110	470.014	0.152	0.004
Surfacing Equipment	250	0.192	1.219	2.502	0.005	0.082	0.075	476.961	0.154	0.004
Surfacing Equipment	500	0.132	1.163	1.476	0.005	0.056	0.051	470.375	0.152	0.004
Surfacing Equipment	750	0.100	0.985	1.081	0.005	0.040	0.037	472.447	0.153	0.004
Sweepers/Scrubbbers	15	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbbers	25	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbbers	50	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbbers	120	0.351	3.695	3.285	0.005	0.210	0.193	474.116	0.153	0.004
Sweepers/Scrubbbers	175	0.292	3.223	2.609	0.005	0.126	0.116	473.122	0.153	0.004
Sweepers/Scrubbbers	250	0.159	1.114	1.610	0.005	0.050	0.046	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.621	4.629	3.857	0.005	0.185	0.170	513.796	0.166	0.005
Tractors/Loaders/Backhoes	50	0.621	4.629	3.857	0.005	0.185	0.170	513.796	0.166	0.005
Tractors/Loaders/Backhoes	120	0.239	3.525	2.426	0.005	0.120	0.110	476.431	0.154	0.004
Tractors/Loaders/Backhoes	175	0.184	3.078	1.521	0.005	0.077	0.070	468.821	0.152	0.004
Tractors/Loaders/Backhoes	250	0.169	1.148	1.588	0.005	0.058	0.053	469.752	0.152	0.004
Tractors/Loaders/Backhoes	500	0.152	1.279	1.247	0.005	0.047	0.043	469.465	0.152	0.004
Tractors/Loaders/Backhoes	750	0.234	1.361	2.419	0.005	0.095	0.087	466.676	0.151	0.004
Trenchers	15	0.642	4.302	3.959	0.005	0.220	0.202	527.095	0.171	0.005
Trenchers	25	0.642	4.302	3.959	0.005	0.220	0.202	527.095	0.171	0.005
Trenchers	50	0.642	4.302	3.959	0.005	0.220	0.202	527.095	0.171	0.005
Trenchers	120	0.504	3.768	4.700	0.005	0.326	0.300	475.690	0.154	0.004
Trenchers	175	0.359	3.291	3.657	0.005	0.186	0.171	467.733	0.151	0.004
Trenchers	250	0.328	1.639	3.737	0.005	0.155	0.143	473.849	0.153	0.004
Trenchers	500	0.199	1.723	2.005	0.005	0.085	0.078	471.613	0.153	0.004
Trenchers	750	0.060	0.951	0.303	0.005	0.009	0.008	474.471	0.154	0.004
Welders	15	0.698	3.508	4.359	0.008	0.194	0.194	568.300	0.063	0.005
Welders	25	0.728	2.407	4.447	0.007	0.186	0.186	568.299	0.065	0.005
Welders	50	0.697	4.596	3.891	0.007	0.151	0.151	568.299	0.062	0.005
Welders	120	0.357	3.564	2.599	0.006	0.139	0.139	568.299	0.032	0.004
Welders	175	0.277	3.115	1.726	0.006	0.085	0.085	568.299	0.025	0.004
Welders	250	0.000	1.071	1.404	0.006	0.044	0.044	568.299	0.019	0.004
Welders	500	0.215	1.034	1.289	0.005	0.042	0.042	568.299	0.019	0.004
Water Trucks	175	0.236	3.304	1.683	0.005	0.081	0.074	470.292	0.152	0.004
Water Trucks	250	0.207	1.273	1.456	0.005	0.059	0.054	469.446	0.152	0.004
Water Trucks	500	0.187	1.221	1.324	0.005	0.048	0.044	475.049	0.154	0.004
Water Trucks	750	0.263	1.719	2.182	0.005	0.084	0.078	473.767	0.153	0.004
Water Trucks	1000	0.214	1.194	3.544	0.005	0.074	0.068	472.857	0.153	0.004

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.159	3.113	2.888	0.005	0.022	0.020	525.074	0.170	0.005
Aerial Lifts	25	0.159	3.113	2.888	0.005	0.022	0.020	525.074	0.170	0.005
Aerial Lifts	50	0.159	3.113	2.888	0.005	0.022	0.020	525.074	0.170	0.005
Aerial Lifts	120	0.101	3.173	1.528	0.005	0.027	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.082	0.966	0.647	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.161	0.991	1.115	0.005	0.033	0.033	568.299	0.014	0.004
Air Compressor s	15	0.690	3.499	4.316	0.008	0.188	0.188	568.300	0.062	0.005
Air Compressor s	25	0.718	2.390	4.426	0.007	0.181	0.181	568.300	0.064	0.005
Air Compressor s	50	0.702	4.880	3.864	0.007	0.135	0.135	568.299	0.063	0.005
Air Compressor s	120	0.365	3.655	2.461	0.006	0.123	0.123	568.299	0.032	0.004
Air Compressor s	175	0.286	3.202	1.561	0.006	0.077	0.077	568.299	0.025	0.004
Air Compressor s	250	0.232	1.096	1.247	0.006	0.039	0.039	568.299	0.020	0.004
Air Compressor s	500	0.228	1.053	1.148	0.005	0.038	0.038	568.299	0.020	0.004
Air Compressor s	750	0.228	1.053	1.171	0.005	0.038	0.038	568.299	0.020	0.004
Air Compressor s	1000	0.243	1.090	3.082	0.005	0.061	0.061	568.299	0.021	0.004
Bore/Drill Rigs	15	0.609	4.331	4.159	0.006	0.219	0.202	529.866	0.171	0.005
Bore/Drill Rigs	25	0.609	4.331	4.159	0.006	0.219	0.202	529.866	0.171	0.005
Bore/Drill Rigs	50	0.609	4.331	4.159	0.006	0.219	0.202	529.866	0.171	0.005
Bore/Drill Rigs	120	0.177	3.251	2.216	0.005	0.090	0.083	461.208	0.149	0.004
Bore/Drill Rigs	175	0.125	2.978	1.029	0.005	0.046	0.043	478.944	0.155	0.004
Bore/Drill Rigs	250	0.108	1.046	0.975	0.005	0.032	0.030	470.712	0.152	0.004
Bore/Drill Rigs	500	0.103	0.994	0.861	0.005	0.029	0.027	464.480	0.150	0.004
Bore/Drill Rigs	750	0.089	0.985	0.671	0.005	0.026	0.024	480.225	0.155	0.004
Bore/Drill Rigs	1000	0.057	0.943	2.273	0.005	0.018	0.017	471.926	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.693	2.349	4.369	0.007	0.170	0.170	568.299	0.062	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.561	4.330	3.701	0.007	0.115	0.115	568.300	0.050	0.005
Concrete/Ind ustrial Saws	120	0.300	3.500	2.315	0.006	0.106	0.106	568.299	0.027	0.004
Concrete/Ind ustrial Saws	175	0.235	3.072	1.418	0.006	0.067	0.067	568.299	0.021	0.004
Cranes	50	1.937	7.269	5.788	0.005	0.577	0.531	517.872	0.168	0.005
Cranes	120	0.524	3.906	4.619	0.005	0.301	0.277	469.903	0.152	0.004
Cranes	175	0.381	3.389	3.703	0.005	0.196	0.181	474.636	0.154	0.004
Cranes	250	0.281	1.502	2.966	0.005	0.123	0.114	472.964	0.153	0.004
Cranes	500	0.231	1.933	2.383	0.005	0.096	0.089	472.066	0.153	0.004
Cranes	750	0.191	1.283	1.900	0.005	0.080	0.073	470.331	0.152	0.004
Cranes	9999	0.220	1.031	2.411	0.005	0.064	0.059	472.055	0.153	0.004
Crawler Tractors	50	1.756	6.685	4.975	0.005	0.466	0.429	515.466	0.167	0.005
Crawler Tractors	120	0.513	3.852	4.409	0.005	0.335	0.309	476.234	0.154	0.004
Crawler Tractors	175	0.326	3.227	3.041	0.005	0.170	0.157	471.829	0.153	0.004
Crawler Tractors	250	0.264	1.370	2.953	0.005	0.115	0.106	471.860	0.153	0.004
Crawler Tractors	500	0.228	1.780	2.244	0.005	0.093	0.085	474.025	0.153	0.004
Crawler Tractors	750	0.181	1.159	1.767	0.005	0.066	0.061	472.283	0.153	0.004
Crawler Tractors	1000	0.263	1.588	4.689	0.005	0.115	0.106	474.645	0.154	0.004
Crushing/Pro c. Equipment	50	0.694	5.008	3.850	0.007	0.125	0.125	568.299	0.062	0.005
Crushing/Pro c. Equipment	120	0.364	3.697	2.389	0.006	0.112	0.112	568.299	0.032	0.004
Crushing/Pro c. Equipment	175	0.287	3.243	1.472	0.006	0.071	0.071	568.299	0.025	0.004
Crushing/Pro c. Equipment	250	0.236	1.109	1.165	0.006	0.036	0.036	568.299	0.021	0.004
Crushing/Pro c. Equipment	500	0.232	1.062	1.077	0.005	0.035	0.035	568.299	0.021	0.004
Crushing/Pro c. Equipment	750	0.233	1.063	1.098	0.005	0.036	0.036	568.299	0.021	0.004
Crushing/Pro c. Equipment	9999	0.274	1.096	3.029	0.005	0.059	0.059	568.299	0.024	0.004
Dumpers/Te nders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.417	4.205	3.508	0.005	0.120	0.110	525.979	0.170	0.005
Excavators	50	0.417	4.205	3.508	0.005	0.120	0.110	525.979	0.170	0.005

Excavators	120	0.217	3.453	2.248	0.005	0.102	0.094	467.384	0.151	0.004
Excavators	175	0.170	3.083	1.325	0.005	0.065	0.060	472.428	0.153	0.004
Excavators	250	0.139	1.090	1.108	0.005	0.036	0.033	472.442	0.153	0.004
Excavators	500	0.121	1.054	0.831	0.005	0.029	0.026	469.711	0.152	0.004
Excavators	750	0.142	1.134	1.105	0.005	0.041	0.037	468.652	0.152	0.004
Forklifts	50	0.692	5.089	4.039	0.005	0.203	0.187	525.483	0.170	0.005
Forklifts	120	0.300	3.629	2.814	0.005	0.163	0.150	471.529	0.153	0.004
Forklifts	175	0.224	3.174	1.861	0.005	0.096	0.088	472.106	0.153	0.004
Forklifts	250	0.196	1.218	1.625	0.005	0.061	0.057	473.326	0.153	0.004
Forklifts	500	0.218	1.219	1.723	0.005	0.065	0.060	473.615	0.153	0.004
Generator Sets	15	0.612	3.499	4.305	0.008	0.181	0.181	568.299	0.055	0.005
Generator Sets	25	0.697	2.390	4.426	0.007	0.178	0.178	568.299	0.062	0.005
Generator Sets	50	0.475	3.787	3.582	0.007	0.107	0.107	568.299	0.042	0.005
Generator Sets	120	0.260	3.342	2.321	0.006	0.101	0.101	568.299	0.023	0.004
Generator Sets	175	0.197	2.929	1.462	0.006	0.062	0.062	568.299	0.017	0.004
Generator Sets	250	0.155	1.003	1.169	0.006	0.033	0.033	568.299	0.014	0.004
Generator Sets	500	0.151	0.983	1.082	0.005	0.032	0.032	568.300	0.013	0.004
Generator Sets	750	0.152	0.983	1.104	0.005	0.032	0.032	568.299	0.013	0.004
Generator Sets	9999	0.183	1.018	2.929	0.005	0.052	0.052	568.300	0.016	0.004
Graders	50	1.850	7.051	5.028	0.005	0.520	0.479	493.791	0.160	0.005
Graders	120	0.683	4.200	5.434	0.005	0.408	0.375	469.821	0.152	0.004
Graders	175	0.364	3.432	3.202	0.005	0.177	0.163	478.497	0.155	0.004
Graders	250	0.262	1.225	3.073	0.005	0.100	0.092	473.669	0.153	0.004
Graders	500	0.293	1.356	2.432	0.005	0.095	0.088	470.266	0.152	0.004
Graders	750	0.264	1.155	1.265	0.005	0.046	0.046	568.300	0.023	0.004
Off-Highway Tractors	120	0.302	3.691	2.949	0.005	0.171	0.157	476.371	0.154	0.004
Off-Highway Tractors	175	0.183	3.133	1.496	0.005	0.072	0.066	473.097	0.153	0.004
Off-Highway Tractors	250	0.169	1.135	1.377	0.005	0.049	0.045	470.689	0.152	0.004
Off-Highway Tractors	750	0.169	1.130	1.235	0.005	0.048	0.044	471.925	0.153	0.004
Off-Highway Tractors	1000	0.189	1.066	2.466	0.005	0.068	0.063	472.055	0.153	0.004
Off-Highway Trucks	175	0.224	3.325	1.494	0.005	0.070	0.064	470.264	0.152	0.004
Off-Highway Trucks	250	0.202	1.259	1.355	0.005	0.054	0.050	469.113	0.152	0.004
Off-Highway Trucks	500	0.185	1.206	1.235	0.005	0.045	0.041	475.220	0.154	0.004
Off-Highway Trucks	750	0.259	1.650	2.085	0.005	0.079	0.073	473.839	0.153	0.004
Off-Highway Trucks	1000	0.209	1.200	3.439	0.005	0.069	0.064	473.097	0.153	0.004
Other Construction Equipment	15	0.828	5.032	4.510	0.006	0.305	0.281	529.209	0.171	0.005
Other Construction Equipment	25	0.828	5.032	4.510	0.006	0.305	0.281	529.209	0.171	0.005
Other Construction Equipment	50	0.828	5.032	4.510	0.006	0.305	0.281	529.209	0.171	0.005
Other Construction Equipment	120	0.382	3.620	3.582	0.005	0.237	0.218	472.125	0.153	0.004
Other Construction Equipment	175	0.261	3.150	2.520	0.005	0.130	0.120	469.545	0.152	0.004
Other Construction Equipment	500	0.175	1.382	1.677	0.005	0.064	0.059	476.484	0.154	0.004
Other General Industrial Equipment	15	0.546	4.780	3.859	0.005	0.165	0.152	526.176	0.170	0.005
Other General Industrial Equipment	25	0.546	4.780	3.859	0.005	0.165	0.152	526.176	0.170	0.005
Other General Industrial Equipment	50	0.546	4.780	3.859	0.005	0.165	0.152	526.176	0.170	0.005
Other General Industrial Equipment	120	0.287	3.639	2.708	0.005	0.146	0.134	470.000	0.152	0.004
Other General Industrial Equipment	175	0.191	3.185	1.448	0.005	0.073	0.067	471.850	0.153	0.004
Other General Industrial Equipment	250	0.173	1.141	1.319	0.005	0.046	0.042	473.223	0.153	0.004
Other General Industrial Equipment	500	0.158	1.110	1.153	0.005	0.040	0.036	472.929	0.153	0.004
Other General Industrial Equipment	750	0.115	1.112	0.628	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.198	1.058	3.971	0.005	0.080	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.943	5.669	4.579	0.005	0.314	0.289	523.709	0.169	0.005
Other Material Handling Equipment	120	0.220	3.510	2.222	0.005	0.096	0.089	473.588	0.153	0.004
Other Material Handling Equipment	175	0.208	3.181	1.639	0.005	0.088	0.081	472.219	0.153	0.004
Other Material Handling Equipment	250	0.210	1.218	1.986	0.005	0.068	0.063	471.482	0.153	0.004
Other Material Handling Equipment	500	0.212	1.262	1.756	0.005	0.072	0.066	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.058	0.946	2.278	0.005	0.018	0.017	472.055	0.153	0.004
Pavers	25	0.950	4.956	4.203	0.005	0.279	0.257	526.857	0.170	0.005
Pavers	50	0.950	4.956	4.203	0.005	0.279	0.257	526.857	0.170	0.005
Pavers	120	0.337	3.508	3.277	0.005	0.213	0.196	470.226	0.152	0.004
Pavers	175	0.191	3.004	1.809	0.005	0.085	0.078	472.661	0.153	0.004
Pavers	250	0.119	1.009	1.343	0.005	0.041	0.038	473.236	0.153	0.004
Pavers	500	0.143	0.986	1.548	0.005	0.054	0.049	467.171	0.151	0.004
Paving Equipment	25	0.523	4.275	3.743	0.005	0.164	0.151	521.058	0.169	0.005
Paving Equipment	50	0.523	4.275	3.743	0.005	0.164	0.151	521.058	0.169	0.005
Paving Equipment	120	0.262	3.503	2.673	0.005	0.135	0.125	473.175	0.153	0.004
Paving Equipment	175	0.197	3.066	1.785	0.005	0.086	0.079	470.661	0.152	0.004
Paving Equipment	250	0.138	1.114	1.296	0.005	0.048	0.044	472.212	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.612	3.499	4.305	0.008	0.181	0.181	568.299	0.055	0.005
Pressure Washers	25	0.697	2.390	4.426	0.007	0.178	0.178	568.299	0.062	0.005
Pressure Washers	50	0.333	3.233	3.441	0.007	0.087	0.087	568.299	0.030	0.005
Pressure Washers	120	0.204	3.191	2.229	0.006	0.084	0.084	568.299	0.018	0.004
Pressure Washers	175	0.191	2.907	1.482	0.006	0.062	0.062	568.299	0.017	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.690	3.499	4.316	0.008	0.188	0.188	568.299	0.062	0.005
Pumps	25	0.718	2.390	4.426	0.007	0.181	0.181	568.299	0.064	0.005
Pumps	50	0.523	3.974	3.630	0.007	0.114	0.114	568.299	0.047	0.005
Pumps	120	0.279	3.393	2.352	0.006	0.107	0.107	568.299	0.025	0.004
Pumps	175	0.213	2.973	1.486	0.006	0.065	0.065	568.299	0.019	0.004
Pumps	250	0.168	1.018	1.189	0.006	0.034	0.034	568.300	0.015	0.004
Pumps	500	0.164	0.994	1.098	0.005	0.033	0.033	568.299	0.014	0.004
Pumps	750	0.164	0.994	1.120	0.005	0.034	0.034	568.299	0.014	0.004
Pumps	9999	0.196	1.031	2.960	0.005	0.054	0.054	568.299	0.017	0.004
Rollers	15	0.621	4.207	3.824	0.005	0.193	0.177	525.957	0.170	0.005
Rollers	25	0.621	4.207	3.824	0.005	0.193	0.177	525.957	0.170	0.005
Rollers	50	0.621	4.207	3.824	0.005	0.193	0.177	525.957	0.170	0.005
Rollers	120	0.272	3.451	2.843	0.005	0.151	0.138	474.007	0.153	0.004
Rollers	175	0.141	2.914	1.324	0.005	0.061	0.056	472.012	0.153	0.004
Rollers	250	0.179	1.214	1.977	0.005	0.070	0.064	473.512	0.153	0.004
Rollers	500	0.210	1.961	2.216	0.005	0.090	0.083	477.900	0.155	0.004
Rough Terrain Forklifts	50	0.570	3.918	3.653	0.005	0.166	0.152	524.924	0.170	0.005
Rough Terrain Forklifts	120	0.145	3.245	1.914	0.005	0.058	0.054	473.063	0.153	0.004
Rough Terrain Forklifts	175	0.103	2.834	1.044	0.005	0.039	0.036	471.535	0.153	0.004
Rough Terrain Forklifts	250	0.119	0.995	1.480	0.005	0.035	0.032	472.853	0.153	0.004
Rough Terrain Forklifts	500	0.066	0.937	0.476	0.005	0.009	0.008	466.548	0.151	0.004
Rubber Tired Dozers	175	0.532	3.696	5.014	0.005	0.279	0.257	473.515	0.153	0.004
Rubber Tired Dozers	250	0.399	1.797	4.090	0.005	0.184	0.170	474.585	0.154	0.004
Rubber Tired Dozers	500	0.417	3.457	4.030	0.005	0.182	0.168	479.394	0.155	0.004
Rubber Tired Dozers	750	0.425	2.596	5.334	0.005	0.196	0.180	473.011	0.153	0.004
Rubber Tired Dozers	1000	0.433	1.796	4.532	0.005	0.123	0.123	568.299	0.039	0.004
Rubber Tired Loaders	25	1.009	5.987	4.468	0.005	0.286	0.263	524.230	0.170	0.005
Rubber Tired Loaders	50	1.009	5.987	4.468	0.005	0.286	0.263	524.230	0.170	0.005
Rubber Tired Loaders	120	0.397	3.832	3.339	0.005	0.221	0.203	466.808	0.151	0.004
Rubber Tired Loaders	175	0.246	3.288	1.884	0.005	0.101	0.092	470.357	0.152	0.004
Rubber Tired Loaders	250	0.197	1.161	1.806	0.005	0.060	0.056	469.788	0.152	0.004

Rubber Tired Loaders	500	0.209	1.352	1.702	0.005	0.063	0.058	468.513	0.152	0.004
Rubber Tired Loaders	750	0.226	1.333	1.881	0.005	0.072	0.066	464.866	0.150	0.004
Rubber Tired Loaders	1000	0.201	1.191	3.544	0.005	0.071	0.066	472.345	0.153	0.004
Scrapers	120	0.575	4.095	5.632	0.005	0.414	0.381	482.701	0.156	0.004
Scrapers	175	0.336	3.372	3.156	0.005	0.167	0.153	478.809	0.155	0.004
Scrapers	250	0.301	1.627	3.014	0.005	0.133	0.123	469.352	0.152	0.004
Scrapers	500	0.245	1.921	2.477	0.005	0.098	0.090	472.846	0.153	0.004
Scrapers	750	0.213	1.461	2.187	0.005	0.081	0.074	471.429	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.559	4.247	3.662	0.007	0.114	0.114	568.299	0.050	0.005
Signal Boards	120	0.296	3.474	2.315	0.006	0.105	0.105	568.299	0.026	0.004
Signal Boards	175	0.229	3.047	1.427	0.006	0.065	0.065	568.299	0.020	0.004
Signal Boards	250	0.224	1.259	1.370	0.007	0.041	0.041	686.695	0.020	0.004
Skid Steer Loaders	25	0.350	3.671	3.346	0.005	0.089	0.082	527.801	0.171	0.005
Skid Steer Loaders	50	0.350	3.671	3.346	0.005	0.089	0.082	527.801	0.171	0.005
Skid Steer Loaders	120	0.147	3.264	1.948	0.005	0.063	0.058	472.847	0.153	0.004
Surfacing Equipment	50	0.333	3.662	3.721	0.006	0.116	0.107	536.030	0.173	0.005
Surfacing Equipment	120	0.251	3.389	2.883	0.005	0.142	0.131	475.381	0.154	0.004
Surfacing Equipment	175	0.228	2.930	2.464	0.005	0.120	0.111	470.077	0.152	0.004
Surfacing Equipment	250	0.176	1.183	2.236	0.005	0.071	0.065	477.096	0.154	0.004
Surfacing Equipment	500	0.134	1.168	1.478	0.005	0.056	0.051	470.252	0.152	0.004
Surfacing Equipment	750	0.094	0.985	0.947	0.005	0.035	0.032	472.983	0.153	0.004
Sweepers/Scrubbers	15	0.746	5.003	4.079	0.005	0.239	0.219	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.746	5.003	4.079	0.005	0.239	0.219	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.746	5.003	4.079	0.005	0.239	0.219	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.332	3.693	3.098	0.005	0.189	0.173	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.266	3.234	2.253	0.005	0.107	0.099	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.164	1.127	1.614	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.590	4.609	3.768	0.005	0.166	0.153	513.852	0.166	0.005
Tractors/Loaders/Backhoes	50	0.590	4.609	3.768	0.005	0.166	0.153	513.852	0.166	0.005
Tractors/Loaders/Backhoes	120	0.227	3.532	2.288	0.005	0.105	0.097	476.731	0.154	0.004
Tractors/Loaders/Backhoes	175	0.176	3.089	1.376	0.005	0.069	0.063	469.403	0.152	0.004
Tractors/Loaders/Backhoes	250	0.168	1.151	1.491	0.005	0.055	0.050	469.914	0.152	0.004
Tractors/Loaders/Backhoes	500	0.150	1.277	1.163	0.005	0.044	0.041	470.084	0.152	0.004
Tractors/Loaders/Backhoes	750	0.221	1.311	2.215	0.005	0.085	0.079	466.638	0.151	0.004
Trenchers	15	0.601	4.233	3.834	0.005	0.197	0.181	527.022	0.170	0.005
Trenchers	25	0.601	4.233	3.834	0.005	0.197	0.181	527.022	0.170	0.005
Trenchers	50	0.601	4.233	3.834	0.005	0.197	0.181	527.022	0.170	0.005
Trenchers	120	0.494	3.769	4.593	0.005	0.318	0.292	475.632	0.154	0.004
Trenchers	175	0.364	3.311	3.667	0.005	0.187	0.172	467.733	0.151	0.004
Trenchers	250	0.312	1.598	3.483	0.005	0.146	0.134	473.846	0.153	0.004
Trenchers	500	0.192	1.668	1.859	0.005	0.080	0.074	469.994	0.152	0.004
Trenchers	750	0.064	0.958	0.304	0.005	0.009	0.008	474.478	0.154	0.004
Welders	15	0.690	3.499	4.316	0.008	0.188	0.188	568.299	0.062	0.005
Welders	25	0.718	2.390	4.426	0.007	0.181	0.181	568.299	0.064	0.005
Welders	50	0.646	4.557	3.782	0.007	0.130	0.130	568.299	0.058	0.005
Welders	120	0.336	3.560	2.430	0.006	0.120	0.120	568.299	0.030	0.004
Welders	175	0.261	3.118	1.541	0.006	0.074	0.074	568.299	0.023	0.004
Welders	250	0.210	1.068	1.234	0.006	0.038	0.038	568.299	0.018	0.004
Welders	500	0.206	1.032	1.135	0.005	0.037	0.037	568.299	0.018	0.004
Water Trucks	175	0.224	3.325	1.494	0.005	0.070	0.064	470.264	0.152	0.004
Water Trucks	250	0.202	1.259	1.355	0.005	0.054	0.050	469.113	0.152	0.004
Water Trucks	500	0.185	1.206	1.235	0.005	0.045	0.041	475.220	0.154	0.004
Water Trucks	750	0.259	1.650	2.085	0.005	0.079	0.073	473.839	0.153	0.004
Water Trucks	1000	0.209	1.200	3.439	0.005	0.069	0.064	473.097	0.153	0.004

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressor s	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressor s	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressor s	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressor s	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressor s	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressor s	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressor s	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Ind ustrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Ind ustrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Pro c. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Pro c. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Pro c. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Pro c. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Pro c. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005

Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004

Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressor s	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressor s	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressor s	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressor s	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressor s	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressor s	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressor s	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Ind ustrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Ind ustrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Pro c. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Pro c. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Pro c. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Pro c. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Pro c. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005

Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004

Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressor s	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressor s	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressor s	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressor s	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressor s	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressor s	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressor s	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Ind ustrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Ind ustrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Pro c. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Pro c. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Pro c. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Pro c. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Pro c. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005

Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004

Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressor s	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressor s	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressor s	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressor s	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressor s	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressor s	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressor s	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Ind ustrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Ind ustrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Pro c. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Pro c. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Pro c. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Pro c. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Pro c. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005

Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004

Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressor s	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressor s	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressor s	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressor s	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressor s	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressor s	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressor s	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressor s	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Ind ustrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Ind ustrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Pro c. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Pro c. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Pro c. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Pro c. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Pro c. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Pro c. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005

Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004

Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004

Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressor s	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressor s	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressor s	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressor s	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressor s	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressor s	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressor s	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressor s	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressor s	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Ind ustrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Ind ustrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Pro c. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Pro c. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Pro c. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Pro c. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Te nders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005

Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004

Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004

Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressor s	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressor s	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressor s	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressor s	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressor s	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressor s	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressor s	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressor s	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressor s	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Ind ustrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Ind ustrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Pro c. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Pro c. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Pro c. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Pro c. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Te nders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005

Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004

Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004

Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressor s	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressor s	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressor s	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressor s	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressor s	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressor s	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressor s	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressor s	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressor s	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Ind ustrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Ind ustrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Pro c. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Pro c. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Pro c. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Pro c. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Te nders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005

Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004

Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004

Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressor s	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressor s	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressor s	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressor s	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressor s	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressor s	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressor s	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressor s	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressor s	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Ind ustrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Ind ustrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Pro c. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Pro c. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Pro c. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Pro c. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Te nders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005

Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004

Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004

Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressor s	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressor s	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressor s	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressor s	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressor s	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressor s	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressor s	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressor s	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressor s	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Ind ustrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Ind ustrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Pro c. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Pro c. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Pro c. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Pro c. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Pro c. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Te nders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005

Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004

Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004

Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressor s	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressor s	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressor s	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressor s	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressor s	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressor s	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressor s	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Ind ustrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Ind ustrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Pro c. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Pro c. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Pro c. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Pro c. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Pro c. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005

Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004

Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004

Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressor s	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressor s	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressor s	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressor s	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressor s	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressor s	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressor s	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Ind ustrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Ind ustrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Pro c. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Pro c. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Pro c. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Pro c. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Pro c. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005

Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004

Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004

Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressor s	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressor s	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressor s	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressor s	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressor s	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressor s	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressor s	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Ind ustrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Ind ustrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Pro c. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Pro c. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Pro c. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Pro c. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Pro c. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005

Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004

Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004

Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressor s	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressor s	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressor s	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressor s	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressor s	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressor s	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressor s	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Ind ustrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Ind ustrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Pro c. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Pro c. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Pro c. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Pro c. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Pro c. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005

Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004

Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004

Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressor s	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressor s	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressor s	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressor s	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressor s	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressor s	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressor s	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressor s	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Ind ustrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Ind ustrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Pro c. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Pro c. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Pro c. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Pro c. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Pro c. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005

Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004

Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004

Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	MaxHP	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.295	3.723	2.966	0.007	0.013	0.013	568.299	0.026	0.005
Aerial Lifts	120	0.161	3.344	1.407	0.006	0.012	0.012	568.299	0.014	0.004
Aerial Lifts	500	0.112	0.986	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Aerial Lifts	750	0.112	0.986	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Air Compressor s	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Air Compressor s	25	0.685	2.339	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Air Compressor s	50	0.458	4.659	3.159	0.007	0.016	0.016	568.300	0.041	0.005
Air Compressor s	120	0.232	3.619	1.468	0.006	0.015	0.015	568.299	0.020	0.004
Air Compressor s	175	0.161	3.201	0.307	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressor s	250	0.160	1.090	0.291	0.006	0.010	0.010	568.299	0.014	0.004
Air Compressor s	500	0.160	1.047	0.291	0.005	0.010	0.010	568.300	0.014	0.004
Air Compressor s	750	0.160	1.047	0.291	0.005	0.010	0.010	568.299	0.014	0.004
Air Compressor s	1000	0.160	1.047	2.439	0.005	0.023	0.023	568.299	0.014	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.032	3.019	0.007	0.013	0.013	568.300	0.031	0.005
Bore/Drill Rigs	120	0.183	3.435	1.411	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.272	0.006	0.010	0.010	568.300	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Ind ustrial Saws	50	0.373	4.175	3.058	0.007	0.014	0.014	568.299	0.033	0.005
Concrete/Ind ustrial Saws	120	0.195	3.477	1.434	0.006	0.013	0.013	568.299	0.017	0.004
Concrete/Ind ustrial Saws	175	0.136	3.076	0.297	0.006	0.011	0.011	568.300	0.012	0.004
Cranes	50	0.567	5.268	3.324	0.007	0.024	0.024	568.299	0.051	0.005
Cranes	120	0.282	3.797	1.552	0.006	0.021	0.021	568.299	0.025	0.004
Cranes	175	0.197	3.358	0.371	0.006	0.016	0.016	568.299	0.017	0.004
Cranes	250	0.195	1.144	0.344	0.006	0.013	0.013	568.299	0.017	0.004
Cranes	500	0.195	1.087	0.340	0.005	0.013	0.013	568.299	0.017	0.004
Cranes	750	0.195	1.087	0.341	0.005	0.013	0.013	568.299	0.017	0.004
Cranes	9999	0.198	1.087	2.534	0.005	0.027	0.027	568.299	0.017	0.004
Crawler Tractors	50	0.653	5.443	3.420	0.007	0.042	0.042	568.299	0.058	0.005
Crawler Tractors	120	0.316	3.839	1.709	0.006	0.039	0.039	568.299	0.028	0.004
Crawler Tractors	175	0.221	3.388	0.539	0.006	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	250	0.211	1.167	0.491	0.006	0.018	0.018	568.299	0.019	0.004
Crawler Tractors	500	0.210	1.113	0.470	0.005	0.018	0.018	568.299	0.018	0.004
Crawler Tractors	750	0.210	1.113	0.475	0.005	0.018	0.018	568.299	0.019	0.004
Crawler Tractors	1000	0.213	1.122	2.652	0.005	0.032	0.032	568.299	0.019	0.004
Crushing/Pro c. Equipment	50	0.488	4.833	3.194	0.007	0.017	0.017	568.299	0.044	0.005
Crushing/Pro c. Equipment	120	0.245	3.670	1.477	0.006	0.015	0.015	568.299	0.022	0.004
Crushing/Pro c. Equipment	175	0.170	3.246	0.306	0.006	0.012	0.012	568.299	0.015	0.004
Crushing/Pro c. Equipment	250	0.168	1.106	0.292	0.006	0.011	0.011	568.299	0.015	0.004
Crushing/Pro c. Equipment	500	0.168	1.059	0.292	0.005	0.011	0.011	568.299	0.015	0.004
Crushing/Pro c. Equipment	750	0.169	1.059	0.292	0.005	0.011	0.011	568.299	0.015	0.004
Crushing/Pro c. Equipment	9999	0.170	1.059	2.457	0.005	0.024	0.024	568.299	0.015	0.004
Dumpers/Te nders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Excavators	50	0.567	5.283	3.290	0.007	0.019	0.019	568.299	0.051	0.005

Excavators	120	0.279	3.802	1.507	0.006	0.017	0.017	568.299	0.025	0.004
Excavators	175	0.193	3.363	0.311	0.006	0.013	0.013	568.299	0.017	0.004
Excavators	250	0.192	1.145	0.300	0.006	0.011	0.011	568.299	0.017	0.004
Excavators	500	0.192	1.089	0.300	0.005	0.011	0.011	568.299	0.017	0.004
Excavators	750	0.192	1.089	0.300	0.005	0.011	0.011	568.299	0.017	0.004
Forklifts	50	0.562	5.256	3.272	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.276	3.794	1.491	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.356	0.288	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	250	0.189	1.143	0.288	0.006	0.011	0.011	568.299	0.017	0.004
Forklifts	500	0.189	1.087	0.288	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Generator Sets	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Generator Sets	50	0.273	3.601	2.941	0.007	0.012	0.012	568.300	0.024	0.005
Generator Sets	120	0.152	3.308	1.399	0.006	0.012	0.012	568.299	0.013	0.004
Generator Sets	175	0.107	2.928	0.293	0.006	0.010	0.010	568.299	0.009	0.004
Generator Sets	250	0.106	0.997	0.277	0.006	0.009	0.009	568.299	0.009	0.004
Generator Sets	500	0.106	0.978	0.277	0.005	0.009	0.009	568.299	0.009	0.004
Generator Sets	750	0.106	0.978	0.277	0.005	0.009	0.009	568.300	0.009	0.004
Generator Sets	9999	0.107	0.978	2.330	0.005	0.020	0.020	568.299	0.009	0.004
Graders	50	0.563	5.161	3.298	0.007	0.026	0.026	568.300	0.050	0.005
Graders	120	0.278	3.764	1.560	0.006	0.024	0.024	568.299	0.025	0.004
Graders	175	0.193	3.326	0.380	0.006	0.017	0.017	568.299	0.017	0.004
Graders	250	0.188	1.133	0.360	0.006	0.013	0.013	568.299	0.017	0.004
Graders	500	0.188	1.079	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Graders	750	0.188	1.079	0.353	0.005	0.013	0.013	568.299	0.017	0.004
Off-Highway Tractors	120	0.362	3.878	1.976	0.006	0.067	0.067	568.299	0.032	0.004
Off-Highway Tractors	175	0.257	3.412	0.836	0.006	0.041	0.041	568.299	0.023	0.004
Off-Highway Tractors	250	0.237	1.198	0.747	0.006	0.028	0.028	568.299	0.021	0.004
Off-Highway Tractors	750	0.234	1.164	0.710	0.005	0.027	0.027	568.299	0.021	0.004
Off-Highway Tractors	1000	0.238	1.183	2.844	0.005	0.042	0.042	568.299	0.021	0.004
Off-Highway Trucks	175	0.205	3.426	0.318	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	250	0.204	1.167	0.305	0.006	0.012	0.012	568.300	0.018	0.004
Off-Highway Trucks	500	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Off-Highway Trucks	750	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Off-Highway Trucks	1000	0.205	1.105	2.532	0.005	0.026	0.026	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.470	4.142	0.008	0.161	0.161	568.300	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.409	4.377	3.096	0.007	0.015	0.015	568.300	0.036	0.005
Other Construction Equipment	120	0.210	3.536	1.441	0.006	0.014	0.014	568.299	0.018	0.004
Other Construction Equipment	175	0.145	3.128	0.290	0.006	0.011	0.011	568.299	0.013	0.004
Other Construction Equipment	500	0.145	1.029	0.282	0.005	0.010	0.010	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.562	5.257	3.283	0.007	0.019	0.019	568.299	0.050	0.005
Other General Industrial Equipment	120	0.277	3.794	1.506	0.006	0.017	0.017	568.299	0.025	0.004
Other General Industrial Equipment	175	0.191	3.356	0.315	0.006	0.012	0.012	568.299	0.017	0.004
Other General Industrial Equipment	250	0.190	1.143	0.299	0.006	0.011	0.011	568.299	0.017	0.004
Other General Industrial Equipment	500	0.190	1.087	0.299	0.005	0.011	0.011	568.299	0.017	0.004
Other General Industrial Equipment	750	0.190	1.087	0.299	0.005	0.011	0.011	568.299	0.017	0.004

Other General Industrial Equipment	1000	0.191	1.087	2.500	0.005	0.025	0.025	568.299	0.017	0.004
Other Material Handling Equipment	50	0.551	5.191	3.269	0.007	0.018	0.018	568.299	0.049	0.005
Other Material Handling Equipment	120	0.272	3.775	1.502	0.006	0.017	0.017	568.300	0.024	0.004
Other Material Handling Equipment	175	0.188	3.339	0.314	0.006	0.012	0.012	568.299	0.017	0.004
Other Material Handling Equipment	250	0.187	1.137	0.298	0.006	0.011	0.011	568.299	0.016	0.004
Other Material Handling Equipment	500	0.187	1.082	0.298	0.005	0.011	0.011	568.299	0.016	0.004
Other Material Handling Equipment	9999	0.189	1.082	2.493	0.005	0.025	0.025	568.300	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.618	5.189	3.393	0.007	0.047	0.047	568.299	0.055	0.005
Pavers	120	0.302	3.763	1.731	0.006	0.043	0.043	568.299	0.027	0.004
Pavers	175	0.213	3.319	0.583	0.006	0.027	0.027	568.299	0.019	0.004
Pavers	250	0.200	1.138	0.525	0.006	0.018	0.018	568.299	0.018	0.004
Pavers	500	0.198	1.085	0.498	0.005	0.018	0.018	568.299	0.017	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.589	5.111	3.361	0.007	0.042	0.042	568.300	0.053	0.005
Paving Equipment	120	0.291	3.744	1.687	0.006	0.039	0.039	568.299	0.026	0.004
Paving Equipment	175	0.205	3.304	0.536	0.006	0.025	0.025	568.299	0.018	0.004
Paving Equipment	250	0.193	1.127	0.485	0.006	0.017	0.017	568.299	0.017	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Pressure Washers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pressure Washers	50	0.186	3.098	2.836	0.007	0.010	0.010	568.299	0.016	0.005
Pressure Washers	120	0.113	3.160	1.365	0.006	0.010	0.010	568.299	0.010	0.004
Pressure Washers	175	0.103	2.907	0.293	0.006	0.010	0.010	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pumps	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pumps	50	0.303	3.770	2.976	0.007	0.013	0.013	568.299	0.027	0.005
Pumps	120	0.165	3.358	1.410	0.006	0.012	0.012	568.299	0.014	0.004
Pumps	175	0.116	2.971	0.295	0.006	0.010	0.010	568.299	0.010	0.004
Pumps	250	0.114	1.012	0.279	0.006	0.009	0.009	568.299	0.010	0.004
Pumps	500	0.114	0.989	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Pumps	750	0.114	0.989	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Pumps	9999	0.116	0.989	2.347	0.005	0.020	0.020	568.299	0.010	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.469	4.682	3.207	0.007	0.024	0.024	568.299	0.042	0.005
Rollers	120	0.240	3.625	1.525	0.006	0.021	0.021	568.299	0.021	0.004
Rollers	175	0.168	3.205	0.373	0.006	0.015	0.015	568.299	0.015	0.004
Rollers	250	0.165	1.092	0.348	0.006	0.012	0.012	568.299	0.014	0.004
Rollers	500	0.165	1.048	0.341	0.005	0.012	0.012	568.299	0.014	0.004
Rough Terrain Forklifts	50	0.519	5.010	3.228	0.007	0.017	0.017	568.300	0.046	0.005
Rough Terrain Forklifts	120	0.258	3.722	1.485	0.006	0.016	0.016	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.178	3.292	0.303	0.006	0.012	0.012	568.300	0.016	0.004
Rough Terrain Forklifts	250	0.177	1.121	0.292	0.006	0.011	0.011	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.177	1.071	0.292	0.005	0.011	0.011	568.299	0.016	0.004
Rubber Tired Dozers	175	0.275	3.470	0.903	0.006	0.045	0.045	568.299	0.024	0.004
Rubber Tired Dozers	250	0.253	1.225	0.810	0.006	0.031	0.031	568.299	0.022	0.004
Rubber Tired Dozers	500	0.249	1.198	0.758	0.005	0.029	0.029	568.299	0.022	0.004
Rubber Tired Dozers	750	0.250	1.198	0.767	0.005	0.029	0.029	568.300	0.022	0.004
Rubber Tired Dozers	1000	0.254	1.218	2.910	0.005	0.045	0.045	568.300	0.023	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rubber Tired Loaders	50	0.545	5.102	3.283	0.007	0.024	0.024	568.300	0.049	0.005
Rubber Tired Loaders	120	0.271	3.748	1.543	0.006	0.022	0.022	568.300	0.024	0.004
Rubber Tired Loaders	175	0.188	3.314	0.365	0.006	0.016	0.016	568.299	0.017	0.004
Rubber Tired Loaders	250	0.185	1.128	0.346	0.006	0.013	0.013	568.299	0.016	0.004

Rubber Tired Loaders	500	0.185	1.076	0.338	0.005	0.013	0.013	568.300	0.016	0.004
Rubber Tired Loaders	750	0.185	1.076	0.340	0.005	0.013	0.013	568.299	0.016	0.004
Rubber Tired Loaders	1000	0.186	1.076	2.522	0.005	0.026	0.026	568.299	0.016	0.004
Scrapers	120	0.316	3.833	1.715	0.006	0.040	0.040	568.299	0.028	0.004
Scrapers	175	0.221	3.381	0.549	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	250	0.210	1.159	0.498	0.006	0.018	0.018	568.300	0.018	0.004
Scrapers	500	0.209	1.100	0.475	0.005	0.017	0.017	568.299	0.018	0.004
Scrapers	750	0.209	1.100	0.480	0.005	0.017	0.017	568.299	0.018	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.074	3.037	0.007	0.014	0.014	568.299	0.032	0.005
Signal Boards	120	0.188	3.447	1.428	0.006	0.013	0.013	568.299	0.016	0.004
Signal Boards	175	0.131	3.050	0.296	0.006	0.011	0.011	568.299	0.011	0.004
Signal Boards	250	0.157	1.255	0.341	0.007	0.012	0.012	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.392	3.093	0.007	0.014	0.014	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.435	0.006	0.013	0.013	568.300	0.019	0.004
Surfacing Equipment	50	0.395	4.183	3.114	0.007	0.025	0.025	568.299	0.035	0.005
Surfacing Equipment	120	0.206	3.477	1.521	0.006	0.024	0.024	568.299	0.018	0.004
Surfacing Equipment	175	0.146	3.073	0.397	0.006	0.017	0.017	568.299	0.013	0.004
Surfacing Equipment	250	0.140	1.047	0.370	0.006	0.013	0.013	568.299	0.012	0.004
Surfacing Equipment	500	0.140	1.015	0.358	0.005	0.012	0.012	568.299	0.012	0.004
Surfacing Equipment	750	0.140	1.015	0.361	0.005	0.013	0.013	568.299	0.012	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.300	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.504	4.925	3.203	0.007	0.016	0.016	568.300	0.045	0.005
Sweepers/Scrubbers	120	0.251	3.697	1.469	0.006	0.015	0.015	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.172	3.270	0.284	0.006	0.011	0.011	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.172	1.114	0.284	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.508	4.946	3.220	0.007	0.018	0.018	568.299	0.045	0.005
Tractors/Loaders/Backhoes	120	0.254	3.703	1.485	0.006	0.016	0.016	568.299	0.022	0.004
Tractors/Loaders/Backhoes	175	0.175	3.276	0.305	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	250	0.174	1.116	0.297	0.006	0.011	0.011	568.300	0.015	0.004
Tractors/Loaders/Backhoes	500	0.174	1.066	0.297	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.174	1.066	0.297	0.006	0.011	0.011	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.598	4.980	3.374	0.007	0.052	0.052	568.299	0.054	0.005
Trenchers	120	0.293	3.699	1.767	0.006	0.047	0.047	568.299	0.026	0.004
Trenchers	175	0.207	3.260	0.639	0.006	0.030	0.030	568.300	0.018	0.004
Trenchers	250	0.193	1.126	0.573	0.006	0.020	0.020	568.300	0.017	0.004
Trenchers	500	0.191	1.081	0.542	0.005	0.020	0.020	568.300	0.017	0.004
Trenchers	750	0.191	1.081	0.549	0.005	0.020	0.020	568.299	0.017	0.004
Welders	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Welders	50	0.402	4.336	3.093	0.007	0.015	0.015	568.300	0.036	0.005
Welders	120	0.208	3.524	1.447	0.006	0.014	0.014	568.299	0.018	0.004
Welders	175	0.145	3.118	0.303	0.006	0.011	0.011	568.299	0.013	0.004
Welders	250	0.143	1.062	0.287	0.006	0.010	0.010	568.300	0.012	0.004
Welders	500	0.143	1.026	0.287	0.005	0.010	0.010	568.299	0.012	0.004
Water Trucks	175	0.205	3.426	0.318	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	250	0.204	1.167	0.305	0.006	0.012	0.012	568.300	0.018	0.004
Water Trucks	500	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Water Trucks	750	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Water Trucks	1000	0.205	1.105	2.532	0.005	0.026	0.026	568.299	0.018	0.004

Basic Conversions		<u>Factor</u>	<u>Value</u>	<u>Units</u>	Source
		1 pound equals	453.592	grams	
		1 MT equals	1.102	tons	
		Total # of days in a week	7	days	
		1 kg equals	1,000	grams	
		1 Year equals	365	days	
		1 ton equals	2,000	pounds	
		Global Warming Potential of CH ₄	25	N/A	http://www.arb.ca.gov/cc/inventory/background/gwp.htm
		Global Warming Potential of N ₂ O	298	N/A	http://www.arb.ca.gov/cc/inventory/background/gwp.htm