

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	25	0.4	152	3.5	177	3.9	7.7	0.15	0.82	2,489
2022	19	0.7	104	2.6	122	3.3	3.9	0.09	0.65	2,874
2023	34	0.3	77	1.9	111	2.2	2.7	0.28	0.61	2,402
2024	27	2.1	72	1.3	99	3.4	2.4	0.11	0.47	1,631
2025	5	0.1	51	0.9	56	1.1	2.1	0.03	0.40	977
2026	16	0.6	43	0.8	59	1.4	1.5	0.03	0.33	893
2027	6	0.1	50	1.0	56	1.1	2.1	0.04	0.46	1,063
2028	22	0.1	45	1.0	67	1.1	1.5	0.03	0.42	1,225
2029	19	1.1	45	0.8	63	1.8	1.5	0.02	0.37	957
2030	6	0.1	32	0.6	38	0.8	0.9	0.01	0.46	1,129
2031	22	0.1	31	0.7	53	0.8	0.6	0.01	0.42	1,256
2032	19	1.1	31	0.6	50	1.6	0.8	0.03	0.37	992
2033	6	0.1	33	0.7	39	0.8	0.9	0.01	0.48	1,186
2034	26	0.1	33	0.8	59	0.9	0.6	0.01	0.45	1,406
2035	23	1.3	30	0.6	53	1.8	0.5	0.01	0.39	338
Total										20,819
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	137	24.9	3	0.4	140	25.4	230	0.2	-	-	64
Energy	1	0.2	11	2.0	12	2.3	7	0.2	-	-	4,210
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											833
Total	148	26.3	57	8.3	205	34.6	391	0.4	105.0		15,025

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	99	18.6	2	0.4	101	19.0	230	0.2	-	-	64
Energy	1	0.2	9	1.6	10	1.8	6	0.1	-	-	1,784
Mobile	9	1.2	43.1	5.8	52	7.0	154	0.1	105.0	13.3	9,154
Waste											325
Water											172
Amortized Construction											833
Total	110	19.9	54	7.8	163	27.7	390	0.4	105.0		12,331

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

Emission Sectors	State of California Inventory Emissions MMTCO2e/year		Cal Poly Inventory Emissions (MTCO2e/year)	
	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 Industrial	3	19.05	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 % diverted x 0.25 x length trip primary + link % passby x 0.1

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%	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 VMT 192,619.25

Weeks per Year CalEEMod Uses for Annual VMT 52.00

Calculated Annual VMT 10,016,201

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)	trip length primary	link % passby	constant	Trip Length
University								
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

Land Use Assumptions for CalEEMod Inputs

<u>Timeframe</u>	<u>Project</u>	<u>Land Use Type in CalEEMod</u>	<u>Size</u>	<u>Units</u>	<u>Location</u>
Near-term	Classroom and Offices building	General Office		72 1000 sq ft	Academic Core
Near-term	Beef Cattle Evaluation Center Expansion	General Light Industry		10 1000 sq ft	West Campus
Near-term	Engineering Projects Building	General Office		71 1000 sq ft	Academic Core
Near-term	Facilities Operations Complex	General Light Industry		108 1000 sq ft	Academic Core
Near-term	Health Center	Medical Office		65 1000 sq ft	Academic Core
Near-term	Student Housing	Apartments Mid-Rise		660 1000 sq ft	North Campus
Near-term	Student Housing	Apartments Mid-Rise		180 1000 sq ft	North Campus
Near-term	Technology Park Facility	Office Park		125 1000 sq ft	West Campus
Near-term	Building 19 - Dining Commons	General Office		44 1000 sq ft	Academic Core
Near-term	Farm Shop	General Light Industry		51.2 1000 sq ft	West Campus
Near-term	IT Services Consolidation	General Office		15 1000 sq ft	West Campus
Near-term	University-based Retirement Community	Retirement Community		120 DU	West Campus
Near-term	Memory Care Facility	Congregate Care		80 beds	West Campus
Near-term	Slack & Grand Housing	Apartments Mid-Rise		380 1000 sq ft	East Campus
Near-term	Slack & Grand Retail	Convenience Market (24 hour)		7 1000 sq ft	East Campus
Near-term	Slack & Grand Parking	Unenclosed Parking w/ Elevator		525 spaces	East Campus
Near-term	Slack & Grand amenity space	Health Club		12 1000 sq ft	East Campus
Long-term	Classroom and Offices building	General Office		858 1000 sq ft	Academic Core
Long-term	Student Housing	Apartments Mid-Rise		1380 1000 sq ft	East Campus
Long-term	Spanos Stadium	Arena		1.9 acres	Academic Core
Long-term	Fields, courts (recreational)	City Park		35.8 acres	Academic Core
Long-term	Recreation Buildings (indoor)	Health Club		2.8 acres	Academic Core
Long-term	Parks	City Park		33.9 acres	Academic Core
Long-term	Parking	Unenclosed Parking w/ Elevator		181 spaces	Academic Core
Long-term	Academic Center Library Addition	Library		114.3 1000 sq ft	Academic Core
Long-term	Davidson Music Center Renovation/Addition	General Office		22.6 1000 sq ft	Academic Core
Near-term	Water Reclamation Facility			14.1 1000 sq ft	West Campus
Near-term	Water Reclamation Facility			380 AFY	West Campus
<u>Total Operational</u>			<u>Size</u>	<u>Units</u>	
		General Office		1082.6 1000 sq ft	
		General Light Industry		169.2 1000 sq ft	
		Medical Office		65 1000 sq ft	
		Apartments Mid-Rise		2600 1000 sq ft	7200 new student residents
		Office Park		125 1000 sq ft	
		Retirement Community		120 DU	
		Congregate Care		80 beds	
		Convenience Market (24 hour)		7 1000 sq ft	
		Unenclosed Parking w/ Elevator		706 spaces	
		Health Club		14.8 1000 sq ft	
		Arena		1.9 acres	
		City Park		69.7 1000 sq ft	
		Library		114.3 1000 sq ft	
		Water Demand		400 AFY	

Construction Emissions - 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	Total MTCO2e
2021	5,1734	0.15	46.46	1.27	51.64	1.42	2.05	0.05	0.26	966.79
2022	4.77	0.16	32.54	1.07	37.31	1.23	0.89	0.03	0.24	1,394.69
2023	20.68	0.14	28.51	0.94	49.19	1.08	0.76	0.24	0.24	1,362.40
2024	16.31	1.38	27.12	0.60	43.43	1.97	0.67	0.02	0.15	872.45

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	187.6036
Building Days	784
Paving Days	55
Arch Coating Days	55
Adjusted Arch Coating Days	633

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	Total MTCO2e
2025	2.9637	0.09	27.99	0.72	30.95	0.81	1.13	0.02	0.16	777.47
2026	13.58	0.60	20.27	0.56	33.85	1.17	0.55	0.02	0.10	694.09

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	163.6552
Building Days	392
Paving Days	26
Arch Coating Days	26
Adjusted Arch Coating Days	313

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	Total MTCO2e
2027	3.07	0.09	27.98	0.78	44.36	0.87	1.13	0.03	0.23	864.36
2028	19.36	0.10	22.27	0.73	41.63	0.83	0.56	0.02	0.18	1,027.69
2029	16.39	1.04	22.06	0.55	38.45	1.59	0.56	0.01	0.13	759.49

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	189.4471
Building Days	588
Paving Days	41
Arch Coating Days	41
Adjusted Arch Coating Days	474

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	Total MTCO2e
2030	3.3265	0.09	17.34	0.51	33.70	0.60	0.49	0.01	0.23	908.73
2031	18.97	0.09	17.17	0.56	36.15	0.65	0.18	0.01	0.18	1,026.17
2032	16.36	1.04	17.02	0.42	33.38	1.46	0.33	0.02	0.13	772.84

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	189.3515
Building Days	589
Paving Days	41
Arch Coating Days	41
Adjusted Arch Coating Days	475

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	Total MTCO2e
2033	3.1377	0.09	19.07	0.54	22.21	0.63	0.49	0.01	0.24	967.10
2034	23.34	0.09	18.93	0.62	42.27	0.70	0.18	0.01	0.22	1,187.10
2035	20.37	1.27	18.04	0.43	38.41	1.70	0.19	0.00	0.15	118.53

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	235.1732
Building Days	587
Paving Days	41
Arch Coating Days	41
Adjusted Arch Coating Days	473

Slack & Grand

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	Total MTCO2e
2021	4.2708	0.13	46.46	1.11	50.73	1.24	2.05	0.05	0.21	787.99
2022	3.30	0.11	23.69	0.78	26.98	0.88	0.85	0.03	0.13	856.02
2023	10.77	0.10	21.13	0.69	31.90	0.79	0.73	0.02	0.13	839.39
2024	7.74	0.69	19.96	0.45	27.71	1.15	0.64	0.08	0.08	558.63

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	92.7218
Building Days	823
Paving Days	55
Arch Coating Days	55
Adjusted Arch Coating Days	659

University-Based Retirement Community

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	Total MTCO2e
2021	11.85	0.09	46.46	0.81	58.32	0.91	2.05	0.04	0.12	533.38
2022	7.58	0.38	17.92	0.50	25.50	0.88	0.82	0.02	0.04	422.74

ROG Adjustment	
CalEEMod Arch Coating Emissions (lb/day)	86.6198
Building Days	410
Paving Days	29
Arch Coating Days	29
Adjusted Arch Coating Days	331

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	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 Phasing Assumptions

Phase 1 - 2021-2024										
Land Use	Size	Unit	Demolition (sq ft)	Default Construction Schedule		Adjusted Schedule				
Academic, Administrative, Support	215	1000 sq ft	91,000	Phase	Days	Phase	Days	Start Date	1/1/2021	
Student Housing	660	1000 sq ft		Demolition	30	Demolition	47	End Date	12/31/2024	
	2000	beds		Site Preparation	20	Site Preparation	31	Total Work Days		1043
City Park	6.78	acres		Grading	45	Grading	71			
Unenclosed Parking w/ Elevator	181	spaces		Building	500	Building	784			
				Paving	35	Paving	55			
				Arch Coating	35	Arch Coating	55			

Phase 2 - 2025-2026										
Land Use	Size	Unit	Demolition (sq ft)	Default Construction Schedule		Adjusted Schedule				
Academic, Administrative, Support	215	1000 sq ft	91,000	Phase	Days	Phase	Days	Start Date	1/1/2025	
Student Housing	180	1000 sq ft		Demolition	20	Demolition	26	End Date	12/31/2026	
	600	beds		Site Preparation	10	Site Preparation	13	Total Work Days		522
City Park	6.78	acres		Grading	30	Grading	39			
				Building	300	Building	392			
				Paving	20	Paving	26			
				Arch Coating	20	Arch Coating	26			

Phase 3 - 2027-2029										
Land Use	Size	Unit	Demolition (sq ft)	Default Construction Schedule		Adjusted Schedule				
Academic, Administrative, Support	215	1000 sq ft	91,000	Phase	Days	Phase	Days	Start Date	1/1/2027	
Student Housing	460	1000 sq ft		Demolition	30	Demolition	35	End Date	12/31/2029	
	1,533	beds		Site Preparation	20	Site Preparation	24	Total Work Days		782
City Park	6.78	acres		Grading	45	Grading	53			
				Building	500	Building	588			
				Paving	35	Paving	41			
				Arch Coating	35	Arch Coating	41			

Phase 4 - 2030-2032										
Land Use	Size	Unit	Demolition (sq ft)	Default Construction Schedule		Adjusted Schedule				
Academic, Administrative, Support	215	1000 sq ft	91,000	Phase	Days	Phase	Days	Start Date	1/1/2030	
Student Housing	460	1000 sq ft		Demolition	30	Demolition	35	End Date	12/31/2032	
	1,533	beds		Site Preparation	20	Site Preparation	24	Total Work Days		784
City Park	6.78	acres		Grading	45	Grading	53			
				Building	500	Building	589			
				Paving	35	Paving	41			
				Arch Coating	35	Arch Coating	41			

Phase 5 - 2033-2035										
Land Use	Size	Unit	Demolition (sq ft)	Default Construction Schedule		Adjusted Schedule				
Academic, Administrative, Support	215	1000 sq ft	91,000	Phase	Days	Phase	Days	Start Date	1/1/2033	
Student Housing	460	1000 sq ft		Demolition	30	Demolition	35	End Date	12/31/2035	
	1,533	beds		Site Preparation	20	Site Preparation	23	Total Work Days		781
Arena	1.9	acres		Grading	45	Grading	53			
Health Club	2.8	acres		Building	500	Building	587			
City Park	6.78	acres		Paving	35	Paving	41			
				Arch Coating	35	Arch Coating	41			

Slack and Grand

Land Use	Size	Unit	Default Construction Schedule		Adjusted Schedule				
Mid-Rise Apartments	380	1000 sq ft	Phase	Days	Phase	Days	Start Date	1/1/2021	
Convenience Market (24 hour)	7	1000 sq ft	Site Preparation	10	Site Preparation	27	End Date	12/31/2024	
Health Club	12	1000 sq ft	Grading	30	Grading	82	Total Work Days		1043
Unenclosed Parking w/ Elevator	525	spaces	Building	300	Building	823			
			Paving	20	Paving	55			
			Arch Coating	20	Arch Coating	55			

University-Based Retirement Community

Land Use	Size	Unit	Default Construction Schedule		Adjusted Schedule				
Retirement Community	120	DU	Phase	Days	Phase	Days	Start Date	1/1/2021	
Congregate Care	80	beds	Site Preparation	20	Site Preparation	16	End Date	12/31/2022	
			Grading	45	Grading	37	Total Work Days		521
			Building	500	Building	410			
			Paving	35	Paving	29			
			Arch Coating	35	Arch Coating	29			

Assumptions

300 sq ft/bed
7200 total new beds

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

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
	Unmitigated	Mitigated	
Apartments Mid Rise	18,184,700	15,190,200	kBTU/year
Arena	1,693,930	1,351,540	kBTU/year
City Park	0	0	kBTU/year
Congregate Care	559,529	467,390	kBTU/year
Convenience Market	11,613	8,134	kBTU/year
General Light Industry	3,463,020	2,763,040	kBTU/year
General Office Building	12,425,000	8,719,260	kBTU/year
Health Club	302,912	241,684	kBTU/year
Library	2,360,260	1,880,920	kBTU/year
Medical Office Building	746,005	523,510	kBTU/year
Office Park	1,851,000	1,298,880	kBTU/year
Retirement Community	970,283	792,778	kBTU/year
Unenclosed Parking with Elevator	-	-	kBTU/year
Total	42,568,252	33,237,336	kBTU/year

Operational Electricity Use Summary

Land Use	Amount		Unit
	Unmitigated	Mitigated	
Apartments Mid Rise	10,474,100	10,016,400	kWh/year
Arena	646,883	621,392	kWh/year
City Park	0	0	kWh/year
Congregate Care	322,281	316,690	kWh/year
Convenience Market	69,034	64,967	kWh/year
General Light Industry	1,322,470	1,270,350	kWh/year
General Office Building	17,318,400	15,931,500	kWh/year
Health Club	115,677	111,118	kWh/year
Library	893,369	858,164	kWh/year
Medical Office Building	1,039,810	956,540	kWh/year
Office Park	2,170,750	1,980,000	kWh/year
Retirement Community	531,580	522,366	kWh/year
Unenclosed Parking with Elevator	547,856	547,856	kWh/year
Total	35,452,210	33,197,343	kWh/year

Energy Calculations Summary

Construction Fuel Usage Summary

Construction Phase	Diesel	Gasoline	Diesel	Diesel
	Off-road Equipment (gallons)	On-road (gallons)	On-road (gallons)	Total
1	89,114	158,300	75,967	165,081
2	41,384	37,403	24,227	65,611
3	57,386	89,754	46,030	103,416
4	56,176	89,902	46,107	102,283
5	52,307	103,850	57,118	109,426
Retirement Community	29,296	17,276	4,963	34,259
Slack & Grand	59,375	87,505	37,000	96,375
TOTAL	385,039	583,989	291,412	676,450

Total Gasoline	583,989	gallons
Total Diesel	676,450	gallons

Phase 1 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	47	0.6	667
Demolition	Excavators	3	8	158	0.38	47	0.6	2,032
Demolition	Rubber Tired Dozers	2	8	247	0.4	47	0.6	2,229
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	31	0.6	2,205
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	31	0.6	1,068
Grading	Excavators	2	8.00	158	0.38	71	0.6	2,046
Grading	Graders	1	8.00	187	0.41	71	0.6	1,306
Grading	Rubber Tired Dozers	1	8.00	247	0.40	71	0.6	1,684
Grading	Scrapers	2	8.00	367	0.48	71	0.6	6,004
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	71	0.6	1,223
Building Construction	Cranes	1	7.00	231	0.29	784	0.6	11,029
Building Construction	Forklifts	3	8.00	89	0.20	784	0.6	10,048
Building Construction	Generator Sets	1	8.00	84	0.74	784	0.6	11,696
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	784	0.6	17,727
Building Construction	Welders	1	8.00	46	0.45	784	0.6	3,895
Paving	Pavers	2	8.00	130	0.42	55	0.6	1,441
Paving	Paving Equipment	2	8.00	132	0.36	55	0.6	1,255
Paving	Rollers	2	8.00	80	0.38	55	0.6	803
Architectural Coating	Air Compressors	1	6.00	78	0.48	55	0.6	371
TOTAL								78,728

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	15	0	47	705	0	414	13.00	5.00	20.00	9,165	0	8,280	0.6	199	954
Site Preparation	18	0	31	558	0	0	13.00	5.00	20.00	7,254	0	0	0.6	157	0
Architectural Coating	140	0	55	7,700	0	0	13.00	5.00	20.00	100,100	0	0	0.6	2,169	0
Building Construction	698	166	784	547,232	130,144	0	13.00	5.00	20.00	7,114,016	650,720	0	0.6	154,117	75,013
Grading	20	0	71	1,420	0	0	13.00	5.00	20.00	18,460	0	0	0.6	400	0
Paving	15	0	55	825	0	0	13.00	5.00	20.00	10,725	0	0	0.6	232	0
TOTAL													157,273	75,967	

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).

Phase 2 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	26	0.6	369
Demolition	Excavators	3	8	158	0.38	26	0.6	1,124
Demolition	Rubber Tired Dozers	2	8	247	0.4	26	0.6	1,233
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	13	0.6	925
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	13	0.6	448
Grading	Excavators	2	8.00	158	0.38	39	0.6	1,124
Grading	Graders	1	8.00	187	0.41	39	0.6	718
Grading	Rubber Tired Dozers	1	8.00	247	0.40	39	0.6	925
Grading	Scrapers	2	8.00	367	0.48	39	0.6	3,298
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	39	0.6	672
Building Construction	Cranes	1	7.00	231	0.29	392	0.6	5,515
Building Construction	Forklifts	3	8.00	89	0.20	392	0.6	5,024
Building Construction	Generator Sets	1	8.00	84	0.74	392	0.6	5,848
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	392	0.6	
Building Construction	Welders	1	8.00	46	0.45	392	0.6	1,947
Paving	Pavers	2	8.00	130	0.42	26	0.6	681
Paving	Paving Equipment	2	8.00	132	0.36	26	0.6	593
Paving	Rollers	2	8.00	80	0.38	26	0.6	379
Architectural Coating	Air Compressors	1	6.00	78	0.48	26	0.6	175
TOTAL								30,998

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	15	0	26	390	0	414	13.00	5.00	20.00	5,070	-	8,280	0.6	110	954
Site Preparation	18	0	13	234	0	0	13.00	5.00	20.00	3,042	-	-	0.6	66	0
Architectural Coating	64	0	26	1,664	0	0	13.00	5.00	20.00	21,632	-	-	0.6	469	0
Building Construction	322	103	392	126,224	40,376	0	13.00	5.00	20.00	1,640,912	201,880	-	0.6	35,548	23,272
Grading	20	0	13	260	0	0	13.00	5.00	20.00	3,380	-	-	0.6	73	0
Paving	15	0	26	390	0	0	13.00	5.00	20.00	5,070	-	-	0.6	110	0
TOTAL														36,376	24,227

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).

Phase 3 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	35	0.6	497
Demolition	Excavators	3	8	158	0.38	35	0.6	1,513
Demolition	Rubber Tired Dozers	2	8	247	0.4	35	0.6	1,660
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	24	0.6	1,707
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	24	0.6	827
Grading	Excavators	2	8.00	158	0.38	53	0.6	1,527
Grading	Graders	1	8.00	187	0.41	53	0.6	975
Grading	Rubber Tired Dozers	2	8.00	247	0.40	53	0.6	2,513
Grading	Scrapers	2	8.00	367	0.48	53	0.6	4,482
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	53	0.6	913
Building Construction	Cranes	1	7.00	231	0.29	588	0.6	8,272
Building Construction	Forklifts	3	8.00	89	0.20	588	0.6	7,536
Building Construction	Generator Sets	1	8.00	84	0.74	588	0.6	8,772
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	588	0.6	
Building Construction	Welders	1	8.00	46	0.45	588	0.6	2,921
Paving	Pavers	2	8.00	130	0.42	41	0.6	1,075
Paving	Paving Equipment	2	8.00	132	0.36	41	0.6	935
Paving	Rollers	2	8.00	80	0.38	41	0.6	598
Architectural Coating	Air Compressors	1	6.00	78	0.48	41	0.6	276
TOTAL								47,000

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	15	0	35	525	0	414	13.00	5.00	20.00	6,825	-	8,280	0.6	148	954
Site Preparation	18	0	24	432	0	0	13.00	5.00	20.00	5,616	-	-	0.6	122	0
Architectural Coating	105	0	41	4,305	0	0	13.00	5.00	20.00	55,965	-	-	0.6	1,212	0
Building Construction	524	133	588	308,112	78,204	0	13.00	5.00	20.00	4,005,456	391,020	-	0.6	86,774	45,075
Grading	20	0	53	1,060	0	0	13.00	5.00	20.00	13,780	-	-	0.6	299	0
Paving	15	0	41	615	0	0	13.00	5.00	20.00	7,995	-	-	0.6	173	0
TOTAL														88,727	46,030

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).

Phase 4 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	35	0.6	497
Demolition	Excavators	3	8	158	0.38	35	0.6	1,513
Demolition	Rubber Tired Dozers	2	8	247	0.4	35	0.6	1,660
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	24	0.6	1,707
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	24	0.6	827
Grading	Excavators	2	8.00	158	0.38	53	0.6	1,527
Grading	Graders	1	8.00	187	0.41	53	0.6	975
Grading	Rubber Tired Dozers	1	8.00	247	0.40	53	0.6	1,257
Grading	Scrapers	2	8.00	367	0.48	53	0.6	4,482
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	53	0.6	913
Building Construction	Cranes	1	7.00	231	0.29	589	0.6	8,286
Building Construction	Forklifts	3	8.00	89	0.20	589	0.6	7,549
Building Construction	Generator Sets	1	8.00	84	0.74	589	0.6	8,787
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	589	0.6	
Building Construction	Welders	1	8.00	46	0.45	589	0.6	2,926
Paving	Pavers	2	8.00	130	0.42	41	0.6	1,075
Paving	Paving Equipment	2	8.00	132	0.36	41	0.6	935
Paving	Rollers	2	8.00	80	0.38	41	0.6	598
Architectural Coating	Air Compressors	1	6.00	78	0.48	41	0.6	276
TOTAL								45,790

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	15	0	35	525	0	414	13.00	5.00	20.00	6,825	-	8,280	0.6	148	954
Site Preparation	18	0	24	432	0	0	13.00	5.00	20.00	5,616	-	-	0.6	122	0
Architectural Coating	105	0	41	4,305	0	0	13.00	5.00	20.00	55,965	-	-	0.6	1,212	0
Building Construction	524	133	589	308,636	78,337	0	13.00	5.00	20.00	4,012,268	391,685	-	0.6	86,921	45,152
Grading	20	0	53	1,060	0	0	13.00	5.00	20.00	13,780	-	-	0.6	299	0
Paving	15	0	41	615	0	0	13.00	5.00	20.00	7,995	-	-	0.6	173	0
TOTAL													88,875	46,107	

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).

Phase 5 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	35	0.6	497
Demolition	Excavators	3	8	158	0.38	35	0.6	1,513
Demolition	Rubber Tired Dozers	2	8	247	0.4	35	0.6	1,660
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	23	0.6	1,636
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	23	0.6	792
Grading	Excavators	2	8.00	158	0.38	53	0.6	1,527
Grading	Graders	1	8.00	187	0.41	53	0.6	975
Grading	Rubber Tired Dozers	1	8.00	247	0.40	53	0.6	1,257
Grading	Scrapers	2	8.00	367	0.48	53	0.6	4,482
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	53	0.6	913
Building Construction	Cranes	1	7.00	231	0.29	587	0.6	8,258
Building Construction	Forklifts	3	8.00	89	0.20	587	0.6	7,523
Building Construction	Generator Sets	1	8.00	84	0.74	587	0.6	8,757
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	587	0.6	
Building Construction	Welders	1	8.00	46	0.45	587	0.6	2,916
Paving	Pavers	2	8.00	130	0.42	41	0.6	1,075
Paving	Paving Equipment	2	8.00	132	0.36	41	0.6	935
Paving	Rollers	2	8.00	80	0.38	41	0.6	598
Architectural Coating	Air Compressors	1	6.00	78	0.48	41	0.6	276
TOTAL								41,921

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	15	0	35	525	0	414	13.00	5.00	20.00	6,825	-	8,280	0.6	148	954
Site Preparation	18	0	23	414	0	0	13.00	5.00	20.00	5,382	-	-	0.6	117	0
Architectural Coating	122	0	41	5,002	0	0	13.00	5.00	20.00	65,026	-	-	0.6	1,409	0
Building Construction	609	166	587	357,483	97,442	0	13.00	5.00	20.00	4,647,279	487,210	-	0.6	100,678	56,164
Grading	20	0	53	1,060	0	0	13.00	5.00	20.00	13,780	-	-	0.6	299	0
Paving	15	0	41	615	0	0	13.00	5.00	20.00	7,995	-	-	0.6	173	0
TOTAL													102,823	57,118	

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).

Retirement Community Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	16	0.6	1,138
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	16	0.6	551
Grading	Excavators	2	8.00	158	0.38	37	0.6	1,066
Grading	Graders	1	8.00	187	0.41	37	0.6	681
Grading	Rubber Tired Dozers	1	8.00	247	0.40	37	0.6	877
Grading	Scrapers	2	8.00	367	0.48	37	0.6	3,129
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	37	0.6	637
Building Construction	Cranes	1	7.00	231	0.29	410	0.6	5,768
Building Construction	Forklifts	3	8.00	89	0.20	410	0.6	5,255
Building Construction	Generator Sets	1	8.00	84	0.74	410	0.6	6,117
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	410	0.6	
Building Construction	Welders	1	8.00	46	0.45	410	0.6	2,037
Paving	Pavers	2	8.00	130	0.42	29	0.6	760
Paving	Paving Equipment	2	8.00	132	0.36	29	0.6	661
Paving	Rollers	2	8.00	80	0.38	29	0.6	423
Architectural Coating	Air Compressors	1	6.00	78	0.48	29	0.6	195
TOTAL								29,296

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	Worker Trip Length (miles)	Vendor Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Site Preparation	18	0	16	288	0	13.00	5.00	3,744	-	0.6	81	0
Architectural Coating	29	0	29	841	0	13.00	5.00	10,933	-	0.6	237	0
Building Construction	144	21	410	59,040	8,610	13.00	5.00	767,520	43,050	0.6	16,627	4,963
Grading	20	0	37	740	0	13.00	5.00	9,620	-	0.6	208	0
Paving	15	0	29	435	0	13.00	5.00	5,655	-	0.6	123	0
TOTAL											17,276	4,963

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).

Slack & Grand Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	27	0.6	1,921
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	27	0.6	930
Grading	Excavators	2	8.00	158	0.38	82	0.6	2,363
Grading	Graders	1	8.00	187	0.41	82	0.6	1,509
Grading	Rubber Tired Dozers	1	8.00	247	0.40	82	0.6	1,944
Grading	Scrapers	2	8.00	367	0.48	82	0.6	6,934
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	82	0.6	1,413
Building Construction	Cranes	1	7.00	231	0.29	823	0.6	11,578
Building Construction	Forklifts	3	8.00	89	0.20	823	0.6	10,548
Building Construction	Generator Sets	1	8.00	84	0.74	823	0.6	12,278
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	823	0.6	
Building Construction	Welders	1	8.00	46	0.45	823	0.6	4,089
Paving	Pavers	2	8.00	130	0.42	55	0.6	1,441
Paving	Paving Equipment	2	8.00	132	0.36	55	0.6	1,255
Paving	Rollers	2	8.00	80	0.38	55	0.6	803
Architectural Coating	Air Compressors	1	6.00	78	0.48	55	0.6	371
TOTAL								59,375

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	Worker Trip Length (miles)	Vendor Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Site Preparation	18	0	27	486	0	13.00	5.00	6,318	-	0.6	137	0
Architectural Coating	74	0	55	4,070	0	13.00	5.00	52,910	-	0.6	1,146	0
Building Construction	369	78	823	303,687	64,194	13.00	5.00	3,947,931	320,970	0.6	85,527	37,000
Grading	20	0	82	1,640	0	13.00	5.00	21,320	-	0.6	462	0
Paving	15	0	55	825	0	13.00	5.00	10,725	-	0.6	232	0
TOTAL											87,505	37,000

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).

Infrastructure Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Utilities	Graders	1	8.00	187	0.41	79	0.6	1,454
Utilities	Scrapers	1	8.00	367	0.48	79	0.6	3,340
Utilities	Tractors/Loaders/Backhoes	3	8.00	97	0.37	79	0.6	2,041
Utilities	Generator Sets	1	8.00	84	0.74	79	0.6	1,179
Utilities	Rough Terrain Forklifts	1	8.00	100	0.40	79	0.6	758
Utilities	Plate Compactors	1	8.00	8	0.43	79	0.6	65
Utilities	Pumps	1	8.00	84	0.74	79	0.6	1,179
Utilities	Air Compressors	1	6.00	78	0.48	55	0.6	371
TOTAL								10,386

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
Utilities	30	0	79	2370	0	0	20.00	0.00	0.00	47,400	0	-	0.6	1,027	0
TOTAL													1,027	0	

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	MdlYr	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 OBISP	2020	LDA	Aggregated	Aggregated	GAS	121,881	4,714,594	568,682	153.7	0.00	30.67	27.70	5.20
SAN LUIS OBISP	2020	LDT1	Aggregated	Aggregated	GAS	14,770	534,241	67,495	20.4	0.00	26.17		
SAN LUIS OBISP	2020	LDT2	Aggregated	Aggregated	GAS	55,648	1,966,689	253,137	84.5	0.00	23.28		
SAN LUIS OBISP	2020	T7 tractor construction	Aggregated	Aggregated	DSL	91	6,379	410	0.00	1.23	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).

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: SAN LUIS OBISPO

Calendar Year: 2035

Season: Annual

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	MdlYr	Speed	Fuel	Population	VMT (mi/day)	% of vehicle class	EN% CalEEMod	vehicle % project	vehicle cla	VMT by project	vehicle class (mi)	Gallons of fuel	Trips	Fuel_Consumption (1000 gal/day)	Fuel (gal/day)	mi/gal
SAN LUIS OBISPO	2035	HHDT	Truck	Aggregated	Aggregated	GAS	1.302979	155.1289518	0.000786447	0.020318	1.5979E-05	567.3116719	105.193799	26.07	0.028764795	28.7647947	5.393014392		
SAN LUIS OBISPO	2035	HHDT	Truck	Aggregated	Aggregated	DSL	1755.475	193184.9914	0.979377517	0.020318	0.019898992	706483.8586	84174.71251	16752.33	23.01721535	23017.21535	8.393065299		
SAN LUIS OBISPO	2035	HHDT	Truck	Aggregated	Aggregated	NG	95.99023	3912.714284	0.019836036	0.020318	0.000403029	14308.92465	4863.013873	374.3619	1.329770358	1329.770358	2.942398483		
SAN LUIS OBISPO	2035	LDA	Passenger	Aggregated	Aggregated	GAS	160600.3	5555327.229	0.931268635	0.616164	0.573814207	20372412.19	479177.7538	749504.1	130.6663736	130666.3736	42.51535475		
SAN LUIS OBISPO	2035	LDA	Passenger	Aggregated	Aggregated	DSL	2142.315	72012.96925	0.012071912	0.616164	0.007438277	264084.8743	4090.118507	9919.67	1.115329226	1115.329226	64.56655811		
SAN LUIS OBISPO	2035	LDA	Passenger	Aggregated	Aggregated	ELEC	8921.819	337992.4902	0.056659454	0.616164	0.034911516	1239480.96		42760.27	0	0			
SAN LUIS OBISPO	2035	LDT1	Passenger	Aggregated	Aggregated	GAS	18930.74	591030.6081	0.967755778	0.024428	0.023640338	839314.7244	23751.45815	85496.78	16.72535742	16725.35742	35.33739777		
SAN LUIS OBISPO	2035	LDT1	Passenger	Aggregated	Aggregated	DSL	2.243558	74.15803952	0.000121427	0.024428	2.96621E-06	105.3108479	105.3108479	10.30836	0.00214618	2.146179809	34.55307222		
SAN LUIS OBISPO	2035	LDT1	Passenger	Aggregated	Aggregated	ELEC	516.0368	19618.12643	0.032122795	0.024428	0.000784696	27859.44104		2475.407	0	0			
SAN LUIS OBISPO	2035	LDT2	Passenger	Aggregated	Aggregated	GAS	61413.83	1936388.806	0.963310585	0.200403	0.193050331	6853962.258	195268.5165	278320.1	55.16747178	55167.47178	35.10019117		
SAN LUIS OBISPO	2035	LDT2	Passenger	Aggregated	Aggregated	DSL	600.0474	19789.73428	0.009844955	0.200403	0.001972959	70046.93037	1466.219747	2775.712	0.414237984	414.2379836	47.77382824		
SAN LUIS OBISPO	2035	LDT2	Passenger	Aggregated	Aggregated	ELEC	2071.613	53961.11436	0.02684446	0.200403	0.00537971	19098.5433		9907.16	0	0			
SAN LUIS OBISPO	2035	LHDT1	Truck	Aggregated	Aggregated	GAS	3717.099	117470.5782	0.478593762	0.011605	0.005554081	197189.2961	20344.85495	55379.23	12.11993714	12119.93714	9.692342196		
SAN LUIS OBISPO	2035	LHDT1	Truck	Aggregated	Aggregated	DSL	4328.363	127978.8768	0.521406238	0.011605	0.006050919	214828.8111	10463.61705	54445.37	6.233437454	6233.437454	20.53102767		
SAN LUIS OBISPO	2035	LHDT1	Truck	Aggregated	Aggregated	ELEC	496.7842	16099.45328	0.244395331	0.004038	0.000986868	35037.27951	4116.770708	7401.345	1.891635384	1891.635384	8.510864946		
SAN LUIS OBISPO	2035	LHDT2	Truck	Aggregated	Aggregated	DSL	1698.039	49775.18185	0.755604669	0.004038	0.003051132	108325.8499	5953.099096	21359.19	2.735419019	2735.419019	18.1965474		
SAN LUIS OBISPO	2035	MCI	Passenger	Aggregated	Aggregated	GAS	9123.543	46128.91407	1	0.004075	0.004075	144676.7589	3926.994642	18247.09	1.252087756	1252.087756	36.84159823		
SAN LUIS OBISPO	2035	MDV	Truck	Aggregated	Aggregated	GAS	39694.07	1228166.776	0.936015898	0.10171	0.095202177	3380010.405	118468.0731	178066.3	43.04677619	43046.77619	28.53098152		
SAN LUIS OBISPO	2035	MDV	Truck	Aggregated	Aggregated	DSL	1456.658	45975.3242	0.035038918	0.10171	0.003563808	126527.6648	3542.32633	6629.452	1.287146188	1287.146188	35.71880538		
SAN LUIS OBISPO	2035	MDV	Truck	Aggregated	Aggregated	ELEC	1434.653	37979.60529	0.028945185	0.10171	0.002944015	104522.825		6899.479	0	0			
SAN LUIS OBISPO	2035	MH	Other	Aggregated	Aggregated	GAS	707.9293	5907.571662	0.63480031	0.0006	0.00038088	13522.57934	2459.195029	70.82125	1.074341699	1074.341699	5.498782803		
SAN LUIS OBISPO	2035	MH	Other	Aggregated	Aggregated	DSL	490.3084	3398.617343	0.36519969	0.0006	0.00021912	7779.520129	735.181154	49.03084	0.321176548	321.176548	10.58177306		
SAN LUIS OBISPO	2035	MHDT	Truck	Aggregated	Aggregated	GAS	374.5351	17477.47766	0.130550641	0.012692	0.001656949	58827.47781	10201.58034	7493.699	3.030860733	3030.860733	5.766506349		
SAN LUIS OBISPO	2035	MHDT	Truck	Aggregated	Aggregated	DSL	2228.707	116397.6038	0.869449359	0.012692	0.011035051	391782.9329	34524.51744	21606.08	10.25713671	10257.13671	11.34796261		
SAN LUIS OBISPO	2035	OBUS	Bus	Aggregated	Aggregated	GAS	126.7417	4059.63073	0.291060389	0.002255	0.000566341	23302.40836	4212.813317	2535.849	0.733935572	733.935572	5.53131758		
SAN LUIS OBISPO	2035	OBUS	Bus	Aggregated	Aggregated	DSL	148.4849	9888.095895	0.708939611	0.002255	0.001598659	56757.98213	5775.67834	1408.521	1.006210213	1006.210213	9.827067713		
SAN LUIS OBISPO	2035	SBUS	Bus	Aggregated	Aggregated	GAS	49.3849	2074.153127	0.260618331	0.000686	0.000178784	6347.463797	590.0234842	197.5396	0.192801266	192.8012658	10.75798501		
SAN LUIS OBISPO	2035	SBUS	Bus	Aggregated	Aggregated	DSL	184.8943	5884.431829	0.739381669	0.000686	0.000507216	18007.93659	1836.405849	2133.654	0.60080135	600.0801354	9.806076692		
SAN LUIS OBISPO	2035	UBUS	Bus	Aggregated	Aggregated	GAS	36.36549	2714.221655	0.2799603	0.001026	0.000287239	10197.99909	1250.511791	145.462	0.33282668	332.826802	8.155060327		
SAN LUIS OBISPO	2035	UBUS	Bus	Aggregated	Aggregated	DSL	71.72556	6980.801726	0.7200397	0.001026	0.000738761	26228.591	3715.40731	286.9022	0.988864471	988.8644711	7.059412013		
SAN LUIS OBISPO	2035	UBUS	Bus	Aggregated	Aggregated	NG	0	0	0	0.001026	0	0	0	0	0	0	0	0	

Gasoline Sum	862,623
Diesel Sum	150,729

Project VMT (mi/yr)	35503499.11
Project Mobile Emissions (MT/yr)	8,953

	Gas (gal)	Diesel (gal)
Passenger	702,125	5,559
Truck	153,236	138,658
Bus	4,803	5,776
Other	2,459	735
Total	862,623	150,729

Fuel Comparison	Existing Conditions	Existing Plus Project
Daily VMT	957900	1090800
Daily Fuel Consumption	27341	31134
Service Population	32840	44790
VMT per PS	29.16869671	24.3536504
Fuel per SP	0.832551766	0.69511052
Percent Efficiency Improvement		-16.5%

Building Energy Comparison

	Existing Conditions	2035 Conditions with Plan	Existing Plus Plan
Electricity (MWh/year)	43,080	33,197	76,277
Natural Gas per Service Population (MMBTU/SP)	232,885	33,237	266,122
Service Population	32,840	4,843	37,683
MWh/SP/year	1.3	6.85	2.024175358
MMBTU/SP/year	7.09	6.86	7.06

Source: PolyCAP, CalEEMod outputs

Phase 1 Construction - San Luis Obispo County, Summer

Phase 1 Construction
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	215.00	1000sqft	4.94	215,000.00	0
Unenclosed Parking with Elevator	181.00	Space	1.63	72,400.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	660.00	Dwelling Unit	17.37	660,000.00	1888

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Phase 1 Construction - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Construction schedule adjusted proportionally to account for 3 years

Architectural Coating - SLOAPCD Rule 433 - 100 g/L limit for flat coatings

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Parking	4344	0
tblAreaCoating	Area_Residential_Exterior	445500	0
tblAreaCoating	Area_Residential_Interior	1336500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Phase 1 Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	500.00	784.00
tblConstructionPhase	NumDays	30.00	47.00
tblConstructionPhase	NumDays	45.00	71.00

Phase 1 Construction - San Luis Obispo County, Summer

tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	20.00	31.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	177.50	112.50
tblSolidWaste	SolidWasteGenerationRate	303.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00

Phase 1 Construction - San Luis Obispo County, Summer

tblWater	IndoorWaterUseRate	43,001,656.91	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	27,109,740.23	0.00
tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

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	5.1734	46.4637	43.4045	0.1227	18.2442	2.0456	20.2898	9.9779	1.8819	11.8598	0.0000	12,327.3682	12,327.3682	1.9482	0.0000	12,352.4386
2022	4.7695	32.5399	41.0028	0.1202	7.6714	0.8892	8.5606	2.0522	0.8364	2.8886	0.0000	12,082.1755	12,082.1755	0.9770	0.0000	12,106.6012
2023	4.3679	28.5083	38.6609	0.1174	7.6715	0.7582	8.4297	2.0522	0.7129	2.7651	0.0000	11,800.6982	11,800.6982	0.9338	0.0000	11,824.0424
2024	187.6036	27.1188	36.9200	0.1149	7.6717	0.6694	8.3410	2.0523	0.6292	2.6815	0.0000	11,557.4178	11,557.4178	0.9160	0.0000	11,580.3171
Maximum	187.6036	46.4637	43.4045	0.1227	18.2442	2.0456	20.2898	9.9779	1.8819	11.8598	0.0000	12,327.3682	12,327.3682	1.9482	0.0000	12,352.4386

Phase 1 Construction - 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	20.4105	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955
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	20.4105	0.6282	54.5041	2.8800e-003	0.0000	0.3016	0.3016	0.0000	0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955

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	20.4105	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955
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	20.4105	0.6282	54.5041	2.8800e-003	0.0000	0.3016	0.3016	0.0000	0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955

Phase 1 Construction - 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	1/1/2021	3/8/2021	5	47	
2	Site Preparation	Site Preparation	3/9/2021	4/20/2021	5	31	
3	Grading	Grading	4/21/2021	7/28/2021	5	71	
4	Building Construction	Building Construction	7/29/2021	7/30/2024	5	784	
5	Paving	Paving	7/31/2024	10/15/2024	5	55	
6	Architectural Coating	Architectural Coating	10/16/2024	12/31/2024	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 1.63

Residential Indoor: 1,336,500; Residential Outdoor: 445,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 4,344 (Architectural Coating – sqft)

OffRoad Equipment

Phase 1 Construction - San Luis Obispo County, Summer

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	166.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					1.9673	0.0000	1.9673	0.2979	0.0000	0.2979			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.9673	1.5513	3.5187	0.2979	1.4411	1.7390		3,747.9449	3,747.9449	1.0549		3,774.3174

Phase 1 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2021

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	0.0705	2.5437	0.5702	6.8800e-003	0.1538	0.0107	0.1645	0.0421	0.0103	0.0524		743.2115	743.2115	0.0423		744.2686
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.1303	2.5916	1.0537	8.2200e-003	0.3021	0.0116	0.3137	0.0815	0.0111	0.0926		877.0718	877.0718	0.0463		878.2295

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					1.9673	0.0000	1.9673	0.2979	0.0000	0.2979			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	0.4623	2.0032	23.2798	0.0388	1.9673	0.0616	2.0290	0.2979	0.0616	0.3596	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Phase 1 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2021

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	0.0705	2.5437	0.5702	6.8800e-003	0.1538	0.0107	0.1645	0.0421	0.0103	0.0524		743.2115	743.2115	0.0423		744.2686
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0479	0.4835	1.3400e-003	0.1483	9.2000e-004	0.1492	0.0393	8.5000e-004	0.0402		133.8603	133.8603	4.0200e-003		133.9608
Total	0.1303	2.5916	1.0537	8.2200e-003	0.3021	0.0116	0.3137	0.0815	0.0111	0.0926		877.0718	877.0718	0.0463		878.2295

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Phase 1 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2021

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	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530
Total	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	0.4656	2.0175	20.8690	0.0380	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Phase 1 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2021

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	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530
Total	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530

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					7.7025	0.0000	7.7025	3.4917	0.0000	3.4917			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	7.7025	1.9853	9.6878	3.4917	1.8265	5.3182		6,007.0434	6,007.0434	1.9428		6,055.6134

Phase 1 Construction - San Luis Obispo County, Summer

3.4 Grading - 2021

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	1.2200e-003	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					
Fugitive Dust					7.7025	0.0000	7.7025	3.4917	0.0000	3.4917			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	0.7616	3.3000	32.9991	0.0620	7.7025	0.1015	7.8040	3.4917	0.1015	3.5932	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134

Phase 1 Construction - San Luis Obispo County, Summer

3.4 Grading - 2021

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

3.5 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2021

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	0.4920	15.6906	4.3295	0.0333	0.7707	0.0440	0.8147	0.2220	0.0421	0.2641		3,545.0366	3,545.0366	0.1997		3,550.0302
Worker	2.7805	2.2273	22.4998	0.0625	6.9005	0.0427	6.9433	1.8302	0.0394	1.8696		6,228.9677	6,228.9677	0.1871		6,233.6441
Total	3.2725	17.9179	26.8293	0.0958	7.6712	0.0868	7.7580	2.0521	0.0815	2.1337		9,774.0043	9,774.0043	0.3868		9,783.6743

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	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2021

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	0.4920	15.6906	4.3295	0.0333	0.7707	0.0440	0.8147	0.2220	0.0421	0.2641		3,545.0366	3,545.0366	0.1997		3,550.0302
Worker	2.7805	2.2273	22.4998	0.0625	6.9005	0.0427	6.9433	1.8302	0.0394	1.8696		6,228.9677	6,228.9677	0.1871		6,233.6441
Total	3.2725	17.9179	26.8293	0.0958	7.6712	0.0868	7.7580	2.0521	0.0815	2.1337		9,774.0043	9,774.0043	0.3868		9,783.6743

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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2022

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	0.4549	14.9213	3.9929	0.0330	0.7709	0.0387	0.8095	0.2220	0.0370	0.2590		3,521.5975	3,521.5975	0.1973		3,526.5289
Worker	2.6084	2.0030	20.6465	0.0603	6.9005	0.0415	6.9421	1.8302	0.0383	1.8685		6,006.2445	6,006.2445	0.1678		6,010.4401
Total	3.0632	16.9243	24.6394	0.0933	7.6714	0.0802	7.7516	2.0522	0.0753	2.1275		9,527.8419	9,527.8419	0.3651		9,536.9690

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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2022

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	0.4549	14.9213	3.9929	0.0330	0.7709	0.0387	0.8095	0.2220	0.0370	0.2590		3,521.5975	3,521.5975	0.1973		3,526.5289
Worker	2.6084	2.0030	20.6465	0.0603	6.9005	0.0415	6.9421	1.8302	0.0383	1.8685		6,006.2445	6,006.2445	0.1678		6,010.4401
Total	3.0632	16.9243	24.6394	0.0933	7.6714	0.0802	7.7516	2.0522	0.0753	2.1275		9,527.8419	9,527.8419	0.3651		9,536.9690

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2023

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	0.3471	12.3227	3.5245	0.0324	0.7710	0.0180	0.7890	0.2221	0.0172	0.2393		3,464.580 2	3,464.580 2	0.1759		3,468.976 5
Worker	2.4481	1.8008	18.8924	0.0580	6.9005	0.0405	6.9410	1.8302	0.0373	1.8674		5,780.908 1	5,780.908 1	0.1501		5,784.659 8
Total	2.7952	14.1234	22.4169	0.0904	7.6715	0.0584	7.7300	2.0522	0.0545	2.1067		9,245.488 3	9,245.488 3	0.3259		9,253.636 3

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	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2023

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	0.3471	12.3227	3.5245	0.0324	0.7710	0.0180	0.7890	0.2221	0.0172	0.2393		3,464.580 2	3,464.580 2	0.1759		3,468.976 5
Worker	2.4481	1.8008	18.8924	0.0580	6.9005	0.0405	6.9410	1.8302	0.0373	1.8674		5,780.908 1	5,780.908 1	0.1501		5,784.659 8
Total	2.7952	14.1234	22.4169	0.0904	7.6715	0.0584	7.7300	2.0522	0.0545	2.1067		9,245.488 3	9,245.488 3	0.3259		9,253.636 3

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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2024

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	0.3290	12.0498	3.3124	0.0322	0.7711	0.0166	0.7877	0.2221	0.0159	0.2380		3,445.633 5	3,445.633 5	0.1768		3,450.052 7
Worker	2.3054	1.6252	17.4408	0.0557	6.9005	0.0395	6.9400	1.8302	0.0364	1.8666		5,556.085 4	5,556.085 4	0.1349		5,559.456 7
Total	2.6345	13.6750	20.7532	0.0880	7.6717	0.0561	7.7277	2.0523	0.0523	2.1046		9,001.718 9	9,001.718 9	0.3116		9,009.509 4

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	0.5199	2.6115	17.6271	0.0270		0.0853	0.0853		0.0853	0.0853	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	0.5199	2.6115	17.6271	0.0270		0.0853	0.0853		0.0853	0.0853	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Phase 1 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2024

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	0.3290	12.0498	3.3124	0.0322	0.7711	0.0166	0.7877	0.2221	0.0159	0.2380		3,445.6335	3,445.6335	0.1768		3,450.0527
Worker	2.3054	1.6252	17.4408	0.0557	6.9005	0.0395	6.9400	1.8302	0.0364	1.8666		5,556.0854	5,556.0854	0.1349		5,559.4567
Total	2.6345	13.6750	20.7532	0.0880	7.6717	0.0561	7.7277	2.0523	0.0523	2.1046		9,001.7189	9,001.7189	0.3116		9,009.5094

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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

Phase 1 Construction - San Luis Obispo County, Summer

3.6 Paving - 2024

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	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726
Total	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

Phase 1 Construction - San Luis Obispo County, Summer

3.6 Paving - 2024

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	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726
Total	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726

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	186.9604					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	187.1412	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Phase 1 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2024

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	0.4624	0.3260	3.4982	0.0112	1.3841	7.9200e-003	1.3920	0.3671	7.3000e-003	0.3744		1,114.4011	1,114.4011	0.0271		1,115.0773
Total	0.4624	0.3260	3.4982	0.0112	1.3841	7.9200e-003	1.3920	0.3671	7.3000e-003	0.3744		1,114.4011	1,114.4011	0.0271		1,115.0773

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	186.9604					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	186.9901	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Phase 1 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2024

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	0.4624	0.3260	3.4982	0.0112	1.3841	7.9200e-003	1.3920	0.3671	7.3000e-003	0.3744		1,114.4011	1,114.4011	0.0271		1,115.0773
Total	0.4624	0.3260	3.4982	0.0112	1.3841	7.9200e-003	1.3920	0.3671	7.3000e-003	0.3744		1,114.4011	1,114.4011	0.0271		1,115.0773

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Phase 1 Construction - 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	0.0000	0.0000	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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Unenclosed Parking with	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Phase 1 Construction - San Luis Obispo County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299
City Park	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299
General Office Building	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299
Unenclosed Parking with Elevator	0.582546	0.028575	0.198242	0.117308	0.024121	0.006096	0.012865	0.019735	0.002341	0.001188	0.004913	0.000770	0.001299

5.0 Energy Detail

Historical Energy Use: N

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

Phase 1 Construction - San Luis Obispo County, Summer

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	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
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
General Office Building	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
Unenclosed Parking with Elevator	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

Phase 1 Construction - 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					
Apartments Mid Rise	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
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
General Office Building	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
Unenclosed Parking with Elevator	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

Phase 1 Construction - 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	20.4105	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955
Unmitigated	20.4105	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955

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
Consumer Products	18.7659					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	1.6446	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016		98.1327	98.1327	0.0945		100.4955
Total	20.4105	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955

Phase 1 Construction - San Luis Obispo County, Summer

6.2 Area by SubCategory

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
Consumer Products	18.7659					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	1.6446	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016		98.1327	98.1327	0.0945		100.4955
Total	20.4105	0.6282	54.5041	2.8800e-003		0.3016	0.3016		0.3016	0.3016	0.0000	98.1327	98.1327	0.0945	0.0000	100.4955

7.0 Water Detail

7.1 Mitigation Measures Water

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

Phase 1 Construction - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Phase 1 Construction - San Luis Obispo County, Annual

Phase 1 Construction
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	215.00	1000sqft	4.94	215,000.00	0
Unenclosed Parking with Elevator	181.00	Space	1.63	72,400.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	660.00	Dwelling Unit	17.37	660,000.00	1888

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use -

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Construction schedule adjusted proportionally to account for 3 years

Architectural Coating - SLOAPCD Rule 433 - 100 g/L limit for flat coatings

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Parking	4344	0
tblAreaCoating	Area_Residential_Exterior	445500	0
tblAreaCoating	Area_Residential_Interior	1336500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	500.00	784.00
tblConstructionPhase	NumDays	30.00	47.00
tblConstructionPhase	NumDays	45.00	71.00

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tblConstructionPhase	NumDays	35.00	55.00
tblConstructionPhase	NumDays	20.00	31.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	177.50	112.50
tblSolidWaste	SolidWasteGenerationRate	303.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00

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tblWater	IndoorWaterUseRate	43,001,656.91	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	27,109,740.23	0.00
tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

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	0.5847	5.0794	4.3925	0.0107	1.0347	0.1976	1.2322	0.4015	0.1833	0.5848	0.0000	962.9430	962.9430	0.1540	0.0000	966.7939
2022	0.6299	4.2718	5.2743	0.0153	0.9716	0.1157	1.0874	0.2605	0.1089	0.3694	0.0000	1,391.8046	1,391.8046	0.1154	0.0000	1,394.6886
2023	0.5772	3.7400	4.9662	0.0149	0.9717	0.0986	1.0703	0.2605	0.0927	0.3532	0.0000	1,359.6416	1,359.6416	0.1102	0.0000	1,362.3957
2024	5.5054	2.3853	3.3266	9.5700e-003	0.6091	0.0657	0.6748	0.1632	0.0616	0.2248	0.0000	870.3925	870.3925	0.0821	0.0000	872.4457
Maximum	5.5054	5.0794	5.2743	0.0153	1.0347	0.1976	1.2322	0.4015	0.1833	0.5848	0.0000	1,391.8046	1,391.8046	0.1540	0.0000	1,394.6886

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2.1 Overall Construction

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	0.2728	1.4383	4.5657	0.0107	1.0347	0.0175	1.0522	0.4015	0.0172	0.4187	0.0000	962.9424	962.9424	0.1540	0.0000	966.7933
2022	0.4810	2.5920	5.4427	0.0153	0.9716	0.0238	0.9954	0.2605	0.0231	0.2836	0.0000	1,391.804 2	1,391.804 2	0.1154	0.0000	1,394.688 2
2023	0.4427	2.2146	5.1479	0.0149	0.9717	0.0197	0.9914	0.2605	0.0192	0.2797	0.0000	1,359.641 3	1,359.641 3	0.1102	0.0000	1,362.395 4
2024	5.4095	1.3036	3.5116	9.5700e-003	0.6091	0.0122	0.6212	0.1632	0.0118	0.1750	0.0000	870.3923	870.3923	0.0821	0.0000	872.4454
Maximum	5.4095	2.5920	5.4427	0.0153	1.0347	0.0238	1.0522	0.4015	0.0231	0.4187	0.0000	1,391.804 2	1,391.804 2	0.1540	0.0000	1,394.688 2

	ROG	NOx	CO	SO2	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	9.47	51.23	-3.94	0.00	0.00	84.67	9.95	0.00	84.00	24.48	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	1.0739	0.6635
2	4-1-2023	6-30-2023	1.0685	0.6535
3	7-1-2023	9-30-2023	1.0802	0.6607
4	10-1-2023	12-31-2023	1.0977	0.6782
5	1-1-2024	3-31-2024	1.0308	0.6479
6	4-1-2024	6-30-2024	1.0148	0.6318
7	7-1-2024	9-30-2024	0.5692	0.2433
		Highest	1.0977	0.6782

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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	3.6961	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427
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	0.0000	0.0000	0.0000	0.0000	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	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	3.6961	0.1037	8.9932	4.7000e-004	0.0000	0.0498	0.0498	0.0000	0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427

Phase 1 Construction - 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	3.6961	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427
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	0.0000	0.0000	0.0000	0.0000	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	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	3.6961	0.1037	8.9932	4.7000e-004	0.0000	0.0498	0.0498	0.0000	0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427

	ROG	NOx	CO	SO2	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 1 Construction - 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	1/1/2021	3/8/2021	5	47	
2	Site Preparation	Site Preparation	3/9/2021	4/20/2021	5	31	
3	Grading	Grading	4/21/2021	7/28/2021	5	71	
4	Building Construction	Building Construction	7/29/2021	7/30/2024	5	784	
5	Paving	Paving	7/31/2024	10/15/2024	5	55	
6	Architectural Coating	Architectural Coating	10/16/2024	12/31/2024	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 1.63

Residential Indoor: 1,336,500; Residential Outdoor: 445,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 4,344 (Architectural Coating – sqft)

OffRoad Equipment

Phase 1 Construction - San Luis Obispo County, Annual

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

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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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	698.00	166.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	140.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0744	0.7389	0.5068	9.1000e-004		0.0365	0.0365		0.0339	0.0339	0.0000	79.9018	79.9018	0.0225	0.0000	80.4641
Total	0.0744	0.7389	0.5068	9.1000e-004	0.0462	0.0365	0.0827	7.0000e-003	0.0339	0.0409	0.0000	79.9018	79.9018	0.0225	0.0000	80.4641

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3.2 Demolition - 2021

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	1.6800e-003	0.0609	0.0138	1.6000e-004	3.5300e-003	2.5000e-004	3.7900e-003	9.7000e-004	2.4000e-004	1.2100e-003	0.0000	15.7446	15.7446	9.1000e-004	0.0000	15.7674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4400e-003	1.2500e-003	0.0110	3.0000e-005	3.3900e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.7423	2.7423	8.0000e-005	0.0000	2.7444
Total	3.1200e-003	0.0621	0.0248	1.9000e-004	6.9200e-003	2.7000e-004	7.2100e-003	1.8700e-003	2.6000e-004	2.1300e-003	0.0000	18.4869	18.4869	9.9000e-004	0.0000	18.5118

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0109	0.0471	0.5471	9.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	79.9018	79.9018	0.0225	0.0000	80.4640
Total	0.0109	0.0471	0.5471	9.1000e-004	0.0462	1.4500e-003	0.0477	7.0000e-003	1.4500e-003	8.4500e-003	0.0000	79.9018	79.9018	0.0225	0.0000	80.4640

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3.2 Demolition - 2021

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	1.6800e-003	0.0609	0.0138	1.6000e-004	3.5300e-003	2.5000e-004	3.7900e-003	9.7000e-004	2.4000e-004	1.2100e-003	0.0000	15.7446	15.7446	9.1000e-004	0.0000	15.7674
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4400e-003	1.2500e-003	0.0110	3.0000e-005	3.3900e-003	2.0000e-005	3.4200e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.7423	2.7423	8.0000e-005	0.0000	2.7444
Total	3.1200e-003	0.0621	0.0248	1.9000e-004	6.9200e-003	2.7000e-004	7.2100e-003	1.8700e-003	2.6000e-004	2.1300e-003	0.0000	18.4869	18.4869	9.9000e-004	0.0000	18.5118

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					0.2800	0.0000	0.2800	0.1539	0.0000	0.1539	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0603	0.6277	0.3279	5.9000e-004		0.0317	0.0317		0.0292	0.0292	0.0000	51.8254	51.8254	0.0168	0.0000	52.2444
Total	0.0603	0.6277	0.3279	5.9000e-004	0.2800	0.0317	0.3117	0.1539	0.0292	0.1831	0.0000	51.8254	51.8254	0.0168	0.0000	52.2444

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3.3 Site Preparation - 2021

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	8.7000e-003	2.0000e-005	2.6900e-003	2.0000e-005	2.7000e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.1705	2.1705	7.0000e-005	0.0000	2.1722
Total	1.1400e-003	9.9000e-004	8.7000e-003	2.0000e-005	2.6900e-003	2.0000e-005	2.7000e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.1705	2.1705	7.0000e-005	0.0000	2.1722

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					0.2800	0.0000	0.2800	0.1539	0.0000	0.1539	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2200e-003	0.0313	0.3235	5.9000e-004		9.6000e-004	9.6000e-004		9.6000e-004	9.6000e-004	0.0000	51.8253	51.8253	0.0168	0.0000	52.2443
Total	7.2200e-003	0.0313	0.3235	5.9000e-004	0.2800	9.6000e-004	0.2810	0.1539	9.6000e-004	0.1549	0.0000	51.8253	51.8253	0.0168	0.0000	52.2443

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3.3 Site Preparation - 2021

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	8.7000e-003	2.0000e-005	2.6900e-003	2.0000e-005	2.7000e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.1705	2.1705	7.0000e-005	0.0000	2.1722
Total	1.1400e-003	9.9000e-004	8.7000e-003	2.0000e-005	2.6900e-003	2.0000e-005	2.7000e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	2.1705	2.1705	7.0000e-005	0.0000	2.1722

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					0.2734	0.0000	0.2734	0.1240	0.0000	0.1240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1488	1.6472	1.0962	2.2000e-003		0.0705	0.0705		0.0648	0.0648	0.0000	193.4572	193.4572	0.0626	0.0000	195.0214
Total	0.1488	1.6472	1.0962	2.2000e-003	0.2734	0.0705	0.3439	0.1240	0.0648	0.1888	0.0000	193.4572	193.4572	0.0626	0.0000	195.0214

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3.4 Grading - 2021

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	2.8900e-003	2.5200e-003	0.0221	6.0000e-005	6.8400e-003	4.0000e-005	6.8800e-003	1.8200e-003	4.0000e-005	1.8600e-003	0.0000	5.5235	5.5235	1.7000e-004	0.0000	5.5277
Total	2.8900e-003	2.5200e-003	0.0221	6.0000e-005	6.8400e-003	4.0000e-005	6.8800e-003	1.8200e-003	4.0000e-005	1.8600e-003	0.0000	5.5235	5.5235	1.7000e-004	0.0000	5.5277

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					0.2734	0.0000	0.2734	0.1240	0.0000	0.1240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0270	0.1172	1.1715	2.2000e-003		3.6000e-003	3.6000e-003		3.6000e-003	3.6000e-003	0.0000	193.4570	193.4570	0.0626	0.0000	195.0212
Total	0.0270	0.1172	1.1715	2.2000e-003	0.2734	3.6000e-003	0.2770	0.1240	3.6000e-003	0.1276	0.0000	193.4570	193.4570	0.0626	0.0000	195.0212

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3.4 Grading - 2021

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	2.8900e-003	2.5200e-003	0.0221	6.0000e-005	6.8400e-003	4.0000e-005	6.8800e-003	1.8200e-003	4.0000e-005	1.8600e-003	0.0000	5.5235	5.5235	1.7000e-004	0.0000	5.5277
Total	2.8900e-003	2.5200e-003	0.0221	6.0000e-005	6.8400e-003	4.0000e-005	6.8800e-003	1.8200e-003	4.0000e-005	1.8600e-003	0.0000	5.5235	5.5235	1.7000e-004	0.0000	5.5277

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	0.1065	0.9762	0.9282	1.5100e-003		0.0537	0.0537		0.0505	0.0505	0.0000	129.7169	129.7169	0.0313	0.0000	130.4993
Total	0.1065	0.9762	0.9282	1.5100e-003		0.0537	0.0537		0.0505	0.0505	0.0000	129.7169	129.7169	0.0313	0.0000	130.4993

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3.5 Building Construction - 2021

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	0.0283	0.8849	0.2593	1.8400e-003	0.0422	2.5300e-003	0.0448	0.0122	2.4200e-003	0.0146	0.0000	177.7723	177.7723	0.0105	0.0000	178.0344
Worker	0.1593	0.1389	1.2186	3.3700e-003	0.3763	2.3900e-003	0.3787	0.1000	2.2100e-003	0.1022	0.0000	304.0886	304.0886	9.2100e-003	0.0000	304.3188
Total	0.1877	1.0238	1.4779	5.2100e-003	0.4185	4.9200e-003	0.4235	0.1122	4.6300e-003	0.1168	0.0000	481.8608	481.8608	0.0197	0.0000	482.3531

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	0.0329	0.1534	0.9902	1.5100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	129.7167	129.7167	0.0313	0.0000	130.4991
Total	0.0329	0.1534	0.9902	1.5100e-003		6.2700e-003	6.2700e-003		6.2700e-003	6.2700e-003	0.0000	129.7167	129.7167	0.0313	0.0000	130.4991

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3.5 Building Construction - 2021

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	0.0283	0.8849	0.2593	1.8400e-003	0.0422	2.5300e-003	0.0448	0.0122	2.4200e-003	0.0146	0.0000	177.7723	177.7723	0.0105	0.0000	178.0344
Worker	0.1593	0.1389	1.2186	3.3700e-003	0.3763	2.3900e-003	0.3787	0.1000	2.2100e-003	0.1022	0.0000	304.0886	304.0886	9.2100e-003	0.0000	304.3188
Total	0.1877	1.0238	1.4779	5.2100e-003	0.4185	4.9200e-003	0.4235	0.1122	4.6300e-003	0.1168	0.0000	481.8608	481.8608	0.0197	0.0000	482.3531

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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

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3.5 Building Construction - 2022

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	0.0608	1.9519	0.5556	4.2400e-003	0.0981	5.1600e-003	0.1032	0.0283	4.9300e-003	0.0333	0.0000	409.8745	409.8745	0.0240	0.0000	410.4753
Worker	0.3472	0.2899	2.5914	7.5300e-003	0.8736	5.4000e-003	0.8790	0.2322	4.9800e-003	0.2371	0.0000	680.6873	680.6873	0.0192	0.0000	681.1662
Total	0.4081	2.2418	3.1470	0.0118	0.9716	0.0106	0.9822	0.2605	9.9100e-003	0.2704	0.0000	1,090.5618	1,090.5618	0.0432	0.0000	1,091.6415

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	0.0729	0.3502	2.2957	3.5000e-003		0.0132	0.0132		0.0132	0.0132	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0729	0.3502	2.2957	3.5000e-003		0.0132	0.0132		0.0132	0.0132	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

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3.5 Building Construction - 2022

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	0.0608	1.9519	0.5556	4.2400e-003	0.0981	5.1600e-003	0.1032	0.0283	4.9300e-003	0.0333	0.0000	409.8745	409.8745	0.0240	0.0000	410.4753
Worker	0.3472	0.2899	2.5914	7.5300e-003	0.8736	5.4000e-003	0.8790	0.2322	4.9800e-003	0.2371	0.0000	680.6873	680.6873	0.0192	0.0000	681.1662
Total	0.4081	2.2418	3.1470	0.0118	0.9716	0.0106	0.9822	0.2605	9.9100e-003	0.2704	0.0000	1,090.5618	1,090.5618	0.0432	0.0000	1,091.6415

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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3.5 Building Construction - 2023

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	0.0465	1.6094	0.4881	4.1600e-003	0.0981	2.3900e-003	0.1005	0.0283	2.2800e-003	0.0306	0.0000	403.1374	403.1374	0.0214	0.0000	403.6719
Worker	0.3262	0.2606	2.3664	7.2500e-003	0.8736	5.2600e-003	0.8788	0.2322	4.8500e-003	0.2370	0.0000	655.1581	655.1581	0.0171	0.0000	655.5856
Total	0.3727	1.8700	2.8545	0.0114	0.9717	7.6500e-003	0.9793	0.2605	7.1300e-003	0.2676	0.0000	1,058.2955	1,058.2955	0.0385	0.0000	1,059.2574

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	0.0700	0.3447	2.2934	3.5000e-003		0.0121	0.0121		0.0121	0.0121	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0700	0.3447	2.2934	3.5000e-003		0.0121	0.0121		0.0121	0.0121	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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3.5 Building Construction - 2023

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	0.0465	1.6094	0.4881	4.1600e-003	0.0981	2.3900e-003	0.1005	0.0283	2.2800e-003	0.0306	0.0000	403.1374	403.1374	0.0214	0.0000	403.6719
Worker	0.3262	0.2606	2.3664	7.2500e-003	0.8736	5.2600e-003	0.8788	0.2322	4.8500e-003	0.2370	0.0000	655.1581	655.1581	0.0171	0.0000	655.5856
Total	0.3727	1.8700	2.8545	0.0114	0.9717	7.6500e-003	0.9793	0.2605	7.1300e-003	0.2676	0.0000	1,058.2955	1,058.2955	0.0385	0.0000	1,059.2574

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	0.1118	1.0217	1.2287	2.0500e-003		0.0466	0.0466		0.0438	0.0438	0.0000	176.2053	176.2053	0.0417	0.0000	177.2470
Total	0.1118	1.0217	1.2287	2.0500e-003		0.0466	0.0466		0.0438	0.0438	0.0000	176.2053	176.2053	0.0417	0.0000	177.2470

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3.5 Building Construction - 2024

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	0.0258	0.9197	0.2682	2.4200e-003	0.0574	1.2900e-003	0.0586	0.0166	1.2300e-003	0.0178	0.0000	234.3882	234.3882	0.0126	0.0000	234.7022
Worker	0.1798	0.1375	1.2752	4.0700e-003	0.5107	3.0000e-003	0.5137	0.1357	2.7700e-003	0.1385	0.0000	368.1251	368.1251	8.9700e-003	0.0000	368.3494
Total	0.2056	1.0571	1.5435	6.4900e-003	0.5681	4.2900e-003	0.5723	0.1523	4.0000e-003	0.1563	0.0000	602.5133	602.5133	0.0215	0.0000	603.0516

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	0.0395	0.1985	1.3397	2.0500e-003		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	176.2051	176.2051	0.0417	0.0000	177.2468
Total	0.0395	0.1985	1.3397	2.0500e-003		6.4900e-003	6.4900e-003		6.4900e-003	6.4900e-003	0.0000	176.2051	176.2051	0.0417	0.0000	177.2468

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3.5 Building Construction - 2024

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	0.0258	0.9197	0.2682	2.4200e-003	0.0574	1.2900e-003	0.0586	0.0166	1.2300e-003	0.0178	0.0000	234.3882	234.3882	0.0126	0.0000	234.7022
Worker	0.1798	0.1375	1.2752	4.0700e-003	0.5107	3.0000e-003	0.5137	0.1357	2.7700e-003	0.1385	0.0000	368.1251	368.1251	8.9700e-003	0.0000	368.3494
Total	0.2056	1.0571	1.5435	6.4900e-003	0.5681	4.2900e-003	0.5723	0.1523	4.0000e-003	0.1563	0.0000	602.5133	602.5133	0.0215	0.0000	603.0516

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	0.0272	0.2619	0.4022	6.3000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	55.0730	55.0730	0.0178	0.0000	55.5183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0272	0.2619	0.4022	6.3000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	55.0730	55.0730	0.0178	0.0000	55.5183

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3.6 Paving - 2024

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-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643
Total	1.4000e-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643

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	7.7100e-003	0.0334	0.4756	6.3000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	55.0729	55.0729	0.0178	0.0000	55.5182
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.7100e-003	0.0334	0.4756	6.3000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	55.0729	55.0729	0.0178	0.0000	55.5182

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3.6 Paving - 2024

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-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643
Total	1.4000e-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643

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	tons/yr										MT/yr					
Archit. Coating	5.1414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9700e-003	0.0335	0.0498	8.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	7.0215	7.0215	4.0000e-004	0.0000	7.0313
Total	5.1464	0.0335	0.0498	8.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	7.0215	7.0215	4.0000e-004	0.0000	7.0313

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3.7 Architectural Coating - 2024

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	0.0131	9.9800e-003	0.0926	3.0000e-004	0.0371	2.2000e-004	0.0373	9.8500e-003	2.0000e-004	0.0101	0.0000	26.7170	26.7170	6.5000e-004	0.0000	26.7332
Total	0.0131	9.9800e-003	0.0926	3.0000e-004	0.0371	2.2000e-004	0.0373	9.8500e-003	2.0000e-004	0.0101	0.0000	26.7170	26.7170	6.5000e-004	0.0000	26.7332

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	5.1414					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	3.5400e-003	0.0504	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	7.0214	7.0214	4.0000e-004	0.0000	7.0313
Total	5.1422	3.5400e-003	0.0504	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	7.0214	7.0214	4.0000e-004	0.0000	7.0313

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3.7 Architectural Coating - 2024

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	0.0131	9.9800e-003	0.0926	3.0000e-004	0.0371	2.2000e-004	0.0373	9.8500e-003	2.0000e-004	0.0101	0.0000	26.7170	26.7170	6.5000e-004	0.0000	26.7332
Total	0.0131	9.9800e-003	0.0926	3.0000e-004	0.0371	2.2000e-004	0.0373	9.8500e-003	2.0000e-004	0.0101	0.0000	26.7170	26.7170	6.5000e-004	0.0000	26.7332

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4
Unenclosed Parking with	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6961	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427
Unmitigated	3.6961	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427

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
Consumer Products	3.4248					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	0.2714	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427
Total	3.6961	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427

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6.2 Area by SubCategory

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
Consumer Products	3.4248					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	0.2714	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427
Total	3.6961	0.1037	8.9932	4.7000e-004		0.0498	0.0498		0.0498	0.0498	0.0000	14.6890	14.6890	0.0142	0.0000	15.0427

7.0 Water Detail

7.1 Mitigation Measures Water

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	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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Phase 1 Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	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

Phase 1 Construction - San Luis Obispo County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Phase 1 Construction - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	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
----------------	--------	-----------	-----------	-------------	-------------	-----------

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
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User Defined Equipment

Phase 1 Construction - San Luis Obispo County, Annual

Equipment Type	Number
----------------	--------

11.0 Vegetation

Phase 2 Construction - San Luis Obispo County, Summer

Phase 2 Construction
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	215.00	1000sqft	4.94	215,000.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	180.00	Dwelling Unit	4.74	180,000.00	515

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2 Construction - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Construction Phase - Schedule adjusted proportionally into two year period

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Residential_Exterior	121500	0
tblAreaCoating	Area_Residential_Interior	364500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Phase 2 Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	13.00
tblConstructionPhase	NumDays	30.00	39.00
tblConstructionPhase	NumDays	300.00	392.00
tblConstructionPhase	NumDays	20.00	26.00

Phase 2 Construction - San Luis Obispo County, Summer

tblConstructionPhase	NumDays	20.00	26.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	97.50	75.00
tblSolidWaste	SolidWasteGenerationRate	82.80	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	11,727,724.61	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	7,393,565.52	0.00

Phase 2 Construction - San Luis Obispo County, Summer

tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

2.0 Emissions Summary

Phase 2 Construction - 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	8.9157	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313
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	8.9157	0.1711	14.8587	7.9000e-004	0.0000	0.0824	0.0824	0.0000	0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313

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	8.9157	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313
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	8.9157	0.1711	14.8587	7.9000e-004	0.0000	0.0824	0.0824	0.0000	0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313

Phase 2 Construction - 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	1/1/2025	2/5/2025	5	26	
2	Site Preparation	Site Preparation	2/6/2025	2/24/2025	5	13	
3	Grading	Grading	2/25/2025	4/18/2025	5	39	
4	Building Construction	Building Construction	4/19/2025	10/20/2026	5	392	
5	Paving	Paving	10/21/2026	11/25/2026	5	26	
6	Architectural Coating	Architectural Coating	11/26/2026	12/31/2026	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 364,500; Residential Outdoor: 121,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2 Construction - San Luis Obispo County, Summer

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	322.00	103.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	64.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					3.5563	0.0000	3.5563	0.5385	0.0000	0.5385			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	3.5563	0.8528	4.4091	0.5385	0.7920	1.3305		3,747.5996	3,747.5996	1.0464		3,773.7606

Phase 2 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2025

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	0.0800	2.7831	0.8775	0.0117	0.2784	6.7100e-003	0.2851	0.0763	6.4200e-003	0.0827		1,274.7529	1,274.7529	0.0772		1,276.6836
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0468	0.0316	0.3459	1.1500e-003	0.1483	8.3000e-004	0.1491	0.0393	7.7000e-004	0.0401		114.6133	114.6133	2.6100e-003		114.6786
Total	0.1268	2.8147	1.2234	0.0129	0.4267	7.5400e-003	0.4342	0.1156	7.1900e-003	0.1228		1,389.3663	1,389.3663	0.0798		1,391.3623

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					3.5563	0.0000	3.5563	0.5385	0.0000	0.5385			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	3.5563	0.0616	3.6180	0.5385	0.0616	0.6002	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Phase 2 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2025

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	0.0800	2.7831	0.8775	0.0117	0.2784	6.7100e-003	0.2851	0.0763	6.4200e-003	0.0827		1,274.7529	1,274.7529	0.0772		1,276.6836
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0468	0.0316	0.3459	1.1500e-003	0.1483	8.3000e-004	0.1491	0.0393	7.7000e-004	0.0401		114.6133	114.6133	2.6100e-003		114.6786
Total	0.1268	2.8147	1.2234	0.0129	0.4267	7.5400e-003	0.4342	0.1156	7.1900e-003	0.1228		1,389.3663	1,389.3663	0.0798		1,391.3623

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Phase 2 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2025

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	0.0562	0.0380	0.4151	1.3800e-003	0.1780	1.0000e-003	0.1790	0.0472	9.2000e-004	0.0481		137.5360	137.5360	3.1300e-003		137.6144
Total	0.0562	0.0380	0.4151	1.3800e-003	0.1780	1.0000e-003	0.1790	0.0472	9.2000e-004	0.0481		137.5360	137.5360	3.1300e-003		137.6144

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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Phase 2 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2025

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	0.0562	0.0380	0.4151	1.3800e-003	0.1780	1.0000e-003	0.1790	0.0472	9.2000e-004	0.0481		137.5360	137.5360	3.1300e-003		137.6144
Total	0.0562	0.0380	0.4151	1.3800e-003	0.1780	1.0000e-003	0.1790	0.0472	9.2000e-004	0.0481		137.5360	137.5360	3.1300e-003		137.6144

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					8.0615	0.0000	8.0615	3.5304	0.0000	3.5304			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	2.9012	27.9429	26.3311	0.0621	8.0615	1.1309	9.1924	3.5304	1.0404	4.5709		6,008.2814	6,008.2814	1.9432		6,056.8614

Phase 2 Construction - San Luis Obispo County, Summer

3.4 Grading - 2025

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	1.1100e-003	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					
Fugitive Dust					8.0615	0.0000	8.0615	3.5304	0.0000	3.5304			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	0.7616	3.3000	32.9991	0.0621	8.0615	0.1015	8.1631	3.5304	0.1015	3.6320	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614

Phase 2 Construction - San Luis Obispo County, Summer

3.4 Grading - 2025

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

3.5 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 2 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2025

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	0.1947	7.3207	1.9519	0.0199	0.4786	9.5100e-003	0.4881	0.1379	9.0900e-003	0.1470		2,126.8512	2,126.8512	0.1102		2,129.6060
Worker	1.0051	0.6789	7.4251	0.0247	3.1833	0.0178	3.2012	0.8443	0.0164	0.8607		2,460.3661	2,460.3661	0.0561		2,461.7677
Total	1.1998	7.9996	9.3770	0.0446	3.6619	0.0273	3.6892	0.9821	0.0255	1.0077		4,587.2174	4,587.2174	0.1663		4,591.3738

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 2 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2025

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	0.1947	7.3207	1.9519	0.0199	0.4786	9.5100e-003	0.4881	0.1379	9.0900e-003	0.1470		2,126.8512	2,126.8512	0.1102		2,129.6060
Worker	1.0051	0.6789	7.4251	0.0247	3.1833	0.0178	3.2012	0.8443	0.0164	0.8607		2,460.3661	2,460.3661	0.0561		2,461.7677
Total	1.1998	7.9996	9.3770	0.0446	3.6619	0.0273	3.6892	0.9821	0.0255	1.0077		4,587.2174	4,587.2174	0.1663		4,591.3738

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 2 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2026

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	0.1865	7.1813	1.8659	0.0198	0.4786	8.8500e-003	0.4875	0.1379	8.4600e-003	0.1463		2,116.4391	2,116.4391	0.1106		2,119.2050
Worker	0.9545	0.6187	6.8945	0.0238	3.1833	0.0173	3.2006	0.8443	0.0159	0.8602		2,368.9817	2,368.9817	0.0508		2,370.2526
Total	1.1409	7.7999	8.7604	0.0435	3.6619	0.0261	3.6881	0.9822	0.0244	1.0065		4,485.4208	4,485.4208	0.1615		4,489.4576

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 2 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2026

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	0.1865	7.1813	1.8659	0.0198	0.4786	8.8500e-003	0.4875	0.1379	8.4600e-003	0.1463		2,116.4391	2,116.4391	0.1106		2,119.2050
Worker	0.9545	0.6187	6.8945	0.0238	3.1833	0.0173	3.2006	0.8443	0.0159	0.8602		2,368.9817	2,368.9817	0.0508		2,370.2526
Total	1.1409	7.7999	8.7604	0.0435	3.6619	0.0261	3.6881	0.9822	0.0244	1.0065		4,485.4208	4,485.4208	0.1615		4,489.4576

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Phase 2 Construction - San Luis Obispo County, Summer

3.6 Paving - 2026

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	0.0288	0.3212	1.1100e-003	0.1483	8.0000e-004	0.1491	0.0393	7.4000e-004	0.0401		110.3563	110.3563	2.3700e-003		110.4155
Total	0.0445	0.0288	0.3212	1.1100e-003	0.1483	8.0000e-004	0.1491	0.0393	7.4000e-004	0.0401		110.3563	110.3563	2.3700e-003		110.4155

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Phase 2 Construction - San Luis Obispo County, Summer

3.6 Paving - 2026

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	0.0288	0.3212	1.1100e-003	0.1483	8.0000e-004	0.1491	0.0393	7.4000e-004	0.0401		110.3563	110.3563	2.3700e-003		110.4155
Total	0.0445	0.0288	0.3212	1.1100e-003	0.1483	8.0000e-004	0.1491	0.0393	7.4000e-004	0.0401		110.3563	110.3563	2.3700e-003		110.4155

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	163.2946					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	163.4655	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Phase 2 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2026

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	0.1897	0.1230	1.3703	4.7200e-003	0.6327	3.4300e-003	0.6362	0.1678	3.1600e-003	0.1710		470.8535	470.8535	0.0101		471.1061
Total	0.1897	0.1230	1.3703	4.7200e-003	0.6327	3.4300e-003	0.6362	0.1678	3.1600e-003	0.1710		470.8535	470.8535	0.0101		471.1061

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	163.2946					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	163.3243	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Phase 2 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2026

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	0.1897	0.1230	1.3703	4.7200e-003	0.6327	3.4300e-003	0.6362	0.1678	3.1600e-003	0.1710		470.8535	470.8535	0.0101		471.1061
Total	0.1897	0.1230	1.3703	4.7200e-003	0.6327	3.4300e-003	0.6362	0.1678	3.1600e-003	0.1710		470.8535	470.8535	0.0101		471.1061

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Phase 2 Construction - 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	0.0000	0.0000	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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Phase 2 Construction - San Luis Obispo County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.598707	0.026478	0.198533	0.109950	0.019088	0.005179	0.012618	0.019740	0.002283	0.001113	0.004555	0.000739	0.001016
City Park	0.598707	0.026478	0.198533	0.109950	0.019088	0.005179	0.012618	0.019740	0.002283	0.001113	0.004555	0.000739	0.001016
General Office Building	0.598707	0.026478	0.198533	0.109950	0.019088	0.005179	0.012618	0.019740	0.002283	0.001113	0.004555	0.000739	0.001016

5.0 Energy Detail

Historical Energy Use: N

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

Phase 2 Construction - San Luis Obispo County, Summer

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	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
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
General Office Building	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

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	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
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
General Office Building	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

Phase 2 Construction - San Luis Obispo County, Summer

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	8.9157	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313
Unmitigated	8.9157	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313

Phase 2 Construction - 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
Consumer Products	8.4682					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	0.4475	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824		26.7880	26.7880	0.0257		27.4313
Total	8.9158	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313

Phase 2 Construction - San Luis Obispo County, Summer

6.2 Area by SubCategory

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
Consumer Products	8.4682					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	0.4475	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824		26.7880	26.7880	0.0257		27.4313
Total	8.9158	0.1711	14.8587	7.9000e-004		0.0824	0.0824		0.0824	0.0824	0.0000	26.7880	26.7880	0.0257	0.0000	27.4313

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Phase 2 Construction - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Phase 2 Construction - San Luis Obispo County, Annual

Phase 2 Construction
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	215.00	1000sqft	4.94	215,000.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	180.00	Dwelling Unit	4.74	180,000.00	515

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2 Construction - San Luis Obispo County, Annual

Project Characteristics -

Land Use -

Construction Phase - Schedule adjusted proportionally into two year period

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Residential_Exterior	121500	0
tblAreaCoating	Area_Residential_Interior	364500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	26.00
tblConstructionPhase	NumDays	10.00	13.00
tblConstructionPhase	NumDays	30.00	39.00
tblConstructionPhase	NumDays	300.00	392.00
tblConstructionPhase	NumDays	20.00	26.00

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tblConstructionPhase	NumDays	20.00	26.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	97.50	75.00
tblSolidWaste	SolidWasteGenerationRate	82.80	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	11,727,724.61	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	7,393,565.52	0.00

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tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

2.0 Emissions Summary

Phase 2 Construction - San Luis Obispo County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
9	1-1-2025	3-31-2025	0.8876	0.1396
10	4-1-2025	6-30-2025	0.7996	0.3468
11	7-1-2025	9-30-2025	0.7569	0.4034
12	10-1-2025	12-31-2025	0.7635	0.4099
13	1-1-2026	3-31-2026	0.7381	0.3923
14	4-1-2026	6-30-2026	0.7403	0.3906
15	7-1-2026	9-30-2026	0.7484	0.3949
		Highest	0.8876	0.4099

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	1.6193	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061
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	0.0000	0.0000	0.0000	0.0000	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	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	1.6193	0.0282	2.4517	1.3000e-004	0.0000	0.0136	0.0136	0.0000	0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061

Phase 2 Construction - 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	1.6193	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061
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	0.0000	0.0000	0.0000	0.0000	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	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	1.6193	0.0282	2.4517	1.3000e-004	0.0000	0.0136	0.0136	0.0000	0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061

	ROG	NOx	CO	SO2	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 2 Construction - 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	1/1/2025	2/5/2025	5	26	
2	Site Preparation	Site Preparation	2/6/2025	2/24/2025	5	13	
3	Grading	Grading	2/25/2025	4/18/2025	5	39	
4	Building Construction	Building Construction	4/19/2025	10/20/2026	5	392	
5	Paving	Paving	10/21/2026	11/25/2026	5	26	
6	Architectural Coating	Architectural Coating	11/26/2026	12/31/2026	5	26	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 364,500; Residential Outdoor: 121,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2 Construction - San Luis Obispo County, Annual

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	322.00	103.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	64.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2496	0.2524	5.0000e-004		0.0111	0.0111		0.0103	0.0103	0.0000	44.1970	44.1970	0.0123	0.0000	44.5055
Total	0.0272	0.2496	0.2524	5.0000e-004	0.0462	0.0111	0.0573	7.0000e-003	0.0103	0.0173	0.0000	44.1970	44.1970	0.0123	0.0000	44.5055

Phase 2 Construction - San Luis Obispo County, Annual

3.2 Demolition - 2025

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	1.0500e-003	0.0367	0.0117	1.5000e-004	3.5400e-003	9.0000e-005	3.6200e-003	9.7000e-004	8.0000e-005	1.0600e-003	0.0000	14.9336	14.9336	9.2000e-004	0.0000	14.9567
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.6000e-004	4.3200e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2990	1.2990	3.0000e-005	0.0000	1.2997
Total	1.6800e-003	0.0372	0.0160	1.6000e-004	5.4200e-003	1.0000e-004	5.5100e-003	1.4700e-003	9.0000e-005	1.5700e-003	0.0000	16.2326	16.2326	9.5000e-004	0.0000	16.2564

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0100e-003	0.0260	0.3026	5.0000e-004		8.0000e-004	8.0000e-004		8.0000e-004	8.0000e-004	0.0000	44.1969	44.1969	0.0123	0.0000	44.5054
Total	6.0100e-003	0.0260	0.3026	5.0000e-004	0.0462	8.0000e-004	0.0470	7.0000e-003	8.0000e-004	7.8000e-003	0.0000	44.1969	44.1969	0.0123	0.0000	44.5054

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3.2 Demolition - 2025

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	1.0500e-003	0.0367	0.0117	1.5000e-004	3.5400e-003	9.0000e-005	3.6200e-003	9.7000e-004	8.0000e-005	1.0600e-003	0.0000	14.9336	14.9336	9.2000e-004	0.0000	14.9567
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.6000e-004	4.3200e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2990	1.2990	3.0000e-005	0.0000	1.2997
Total	1.6800e-003	0.0372	0.0160	1.6000e-004	5.4200e-003	1.0000e-004	5.5100e-003	1.4700e-003	9.0000e-005	1.5700e-003	0.0000	16.2326	16.2326	9.5000e-004	0.0000	16.2564

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					0.1174	0.0000	0.1174	0.0646	0.0000	0.0646	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0161	0.1640	0.1164	2.5000e-004		7.0600e-003	7.0600e-003		6.5000e-003	6.5000e-003	0.0000	21.7535	21.7535	7.0400e-003	0.0000	21.9294
Total	0.0161	0.1640	0.1164	2.5000e-004	0.1174	7.0600e-003	0.1245	0.0646	6.5000e-003	0.0711	0.0000	21.7535	21.7535	7.0400e-003	0.0000	21.9294

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3.3 Site Preparation - 2025

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	2.7000e-004	2.5900e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7794	0.7794	2.0000e-005	0.0000	0.7798
Total	3.8000e-004	2.7000e-004	2.5900e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7794	0.7794	2.0000e-005	0.0000	0.7798

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					0.1174	0.0000	0.1174	0.0646	0.0000	0.0646	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0300e-003	0.0131	0.1357	2.5000e-004		4.0000e-004	4.0000e-004		4.0000e-004	4.0000e-004	0.0000	21.7535	21.7535	7.0400e-003	0.0000	21.9294
Total	3.0300e-003	0.0131	0.1357	2.5000e-004	0.1174	4.0000e-004	0.1178	0.0646	4.0000e-004	0.0650	0.0000	21.7535	21.7535	7.0400e-003	0.0000	21.9294

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3.3 Site Preparation - 2025

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	2.7000e-004	2.5900e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7794	0.7794	2.0000e-005	0.0000	0.7798
Total	3.8000e-004	2.7000e-004	2.5900e-003	1.0000e-005	1.1300e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.7794	0.7794	2.0000e-005	0.0000	0.7798

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					0.1572	0.0000	0.1572	0.0688	0.0000	0.0688	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0566	0.5449	0.5135	1.2100e-003		0.0221	0.0221		0.0203	0.0203	0.0000	106.2871	106.2871	0.0344	0.0000	107.1465
Total	0.0566	0.5449	0.5135	1.2100e-003	0.1572	0.0221	0.1793	0.0688	0.0203	0.0891	0.0000	106.2871	106.2871	0.0344	0.0000	107.1465

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3.4 Grading - 2025

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	1.2500e-003	9.1000e-004	8.6400e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7800e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.5979	2.5979	6.0000e-005	0.0000	2.5994
Total	1.2500e-003	9.1000e-004	8.6400e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7800e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.5979	2.5979	6.0000e-005	0.0000	2.5994

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					0.1572	0.0000	0.1572	0.0688	0.0000	0.0688	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.0644	0.6435	1.2100e-003		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	106.2870	106.2870	0.0344	0.0000	107.1464
Total	0.0149	0.0644	0.6435	1.2100e-003	0.1572	1.9800e-003	0.1592	0.0688	1.9800e-003	0.0708	0.0000	106.2870	106.2870	0.0344	0.0000	107.1464

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3.4 Grading - 2025

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	1.2500e-003	9.1000e-004	8.6400e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7800e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.5979	2.5979	6.0000e-005	0.0000	2.5994
Total	1.2500e-003	9.1000e-004	8.6400e-003	3.0000e-005	3.7500e-003	2.0000e-005	3.7800e-003	1.0000e-003	2.0000e-005	1.0200e-003	0.0000	2.5979	2.5979	6.0000e-005	0.0000	2.5994

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	0.1251	1.1410	1.4718	2.4700e-003		0.0483	0.0483		0.0454	0.0454	0.0000	212.2063	212.2063	0.0499	0.0000	213.4534
Total	0.1251	1.1410	1.4718	2.4700e-003		0.0483	0.0483		0.0454	0.0454	0.0000	212.2063	212.2063	0.0499	0.0000	213.4534

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3.5 Building Construction - 2025

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	0.0183	0.6724	0.1903	1.7900e-003	0.0429	8.9000e-004	0.0437	0.0124	8.5000e-004	0.0132	0.0000	174.1832	174.1832	9.4200e-003	0.0000	174.4188
Worker	0.0945	0.0691	0.6528	2.1700e-003	0.2836	1.6300e-003	0.2853	0.0754	1.5000e-003	0.0769	0.0000	196.2637	196.2637	4.4800e-003	0.0000	196.3758
Total	0.1128	0.7415	0.8432	3.9600e-003	0.3265	2.5200e-003	0.3290	0.0878	2.3500e-003	0.0901	0.0000	370.4469	370.4469	0.0139	0.0000	370.7946

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	0.0461	0.2354	1.6118	2.4700e-003		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	212.2061	212.2061	0.0499	0.0000	213.4531
Total	0.0461	0.2354	1.6118	2.4700e-003		7.2100e-003	7.2100e-003		7.2100e-003	7.2100e-003	0.0000	212.2061	212.2061	0.0499	0.0000	213.4531

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3.5 Building Construction - 2025

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	0.0183	0.6724	0.1903	1.7900e-003	0.0429	8.9000e-004	0.0437	0.0124	8.5000e-004	0.0132	0.0000	174.1832	174.1832	9.4200e-003	0.0000	174.4188
Worker	0.0945	0.0691	0.6528	2.1700e-003	0.2836	1.6300e-003	0.2853	0.0754	1.5000e-003	0.0769	0.0000	196.2637	196.2637	4.4800e-003	0.0000	196.3758
Total	0.1128	0.7415	0.8432	3.9600e-003	0.3265	2.5200e-003	0.3290	0.0878	2.3500e-003	0.0901	0.0000	370.4469	370.4469	0.0139	0.0000	370.7946

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	0.1429	1.3031	1.6809	2.8200e-003		0.0551	0.0551		0.0519	0.0519	0.0000	242.3558	242.3558	0.0570	0.0000	243.7801
Total	0.1429	1.3031	1.6809	2.8200e-003		0.0551	0.0551		0.0519	0.0519	0.0000	242.3558	242.3558	0.0570	0.0000	243.7801

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3.5 Building Construction - 2026

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	0.0201	0.7531	0.2078	2.0400e-003	0.0489	9.4000e-004	0.0499	0.0142	9.0000e-004	0.0151	0.0000	197.9554	197.9554	0.0108	0.0000	198.2255
Worker	0.1026	0.0719	0.6915	2.3900e-003	0.3239	1.8000e-003	0.3258	0.0861	1.6600e-003	0.0878	0.0000	215.8229	215.8229	4.6400e-003	0.0000	215.9389
Total	0.1227	0.8250	0.8993	4.4300e-003	0.3729	2.7400e-003	0.3756	0.1002	2.5600e-003	0.1028	0.0000	413.7783	413.7783	0.0154	0.0000	414.1644

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	0.0527	0.2689	1.8408	2.8200e-003		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	242.3555	242.3555	0.0570	0.0000	243.7798
Total	0.0527	0.2689	1.8408	2.8200e-003		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	242.3555	242.3555	0.0570	0.0000	243.7798

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3.5 Building Construction - 2026

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	0.0201	0.7531	0.2078	2.0400e-003	0.0489	9.4000e-004	0.0499	0.0142	9.0000e-004	0.0151	0.0000	197.9554	197.9554	0.0108	0.0000	198.2255
Worker	0.1026	0.0719	0.6915	2.3900e-003	0.3239	1.8000e-003	0.3258	0.0861	1.6600e-003	0.0878	0.0000	215.8229	215.8229	4.6400e-003	0.0000	215.9389
Total	0.1227	0.8250	0.8993	4.4300e-003	0.3729	2.7400e-003	0.3756	0.1002	2.5600e-003	0.1028	0.0000	413.7783	413.7783	0.0154	0.0000	414.1644

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	0.0119	0.1116	0.1895	3.0000e-004		5.4400e-003	5.4400e-003		5.0100e-003	5.0100e-003	0.0000	26.0250	26.0250	8.4200e-003	0.0000	26.2355
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0119	0.1116	0.1895	3.0000e-004		5.4400e-003	5.4400e-003		5.0100e-003	5.0100e-003	0.0000	26.0250	26.0250	8.4200e-003	0.0000	26.2355

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3.6 Paving - 2026

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	5.9000e-004	4.2000e-004	4.0100e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2507	1.2507	3.0000e-005	0.0000	1.2514
Total	5.9000e-004	4.2000e-004	4.0100e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2507	1.2507	3.0000e-005	0.0000	1.2514

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	3.6500e-003	0.0158	0.2248	3.0000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	26.0250	26.0250	8.4200e-003	0.0000	26.2354
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	3.6500e-003	0.0158	0.2248	3.0000e-004		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	26.0250	26.0250	8.4200e-003	0.0000	26.2354

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3.6 Paving - 2026

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	5.9000e-004	4.2000e-004	4.0100e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2507	1.2507	3.0000e-005	0.0000	1.2514
Total	5.9000e-004	4.2000e-004	4.0100e-003	1.0000e-005	1.8800e-003	1.0000e-005	1.8900e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.2507	1.2507	3.0000e-005	0.0000	1.2514

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	tons/yr										MT/yr					
Archit. Coating	2.1228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2200e-003	0.0149	0.0235	4.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	3.3192	3.3192	1.8000e-004	0.0000	3.3238
Total	2.1251	0.0149	0.0235	4.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	3.3192	3.3192	1.8000e-004	0.0000	3.3238

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3.7 Architectural Coating - 2026

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	2.5400e-003	1.7800e-003	0.0171	6.0000e-005	8.0100e-003	4.0000e-005	8.0500e-003	2.1300e-003	4.0000e-005	2.1700e-003	0.0000	5.3364	5.3364	1.1000e-004	0.0000	5.3393
Total	2.5400e-003	1.7800e-003	0.0171	6.0000e-005	8.0100e-003	4.0000e-005	8.0500e-003	2.1300e-003	4.0000e-005	2.1700e-003	0.0000	5.3364	5.3364	1.1000e-004	0.0000	5.3393

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	2.1228					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9000e-004	1.6700e-003	0.0238	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.3192	3.3192	1.8000e-004	0.0000	3.3238
Total	2.1232	1.6700e-003	0.0238	4.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	3.3192	3.3192	1.8000e-004	0.0000	3.3238

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3.7 Architectural Coating - 2026

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	2.5400e-003	1.7800e-003	0.0171	6.0000e-005	8.0100e-003	4.0000e-005	8.0500e-003	2.1300e-003	4.0000e-005	2.1700e-003	0.0000	5.3364	5.3364	1.1000e-004	0.0000	5.3393
Total	2.5400e-003	1.7800e-003	0.0171	6.0000e-005	8.0100e-003	4.0000e-005	8.0500e-003	2.1300e-003	4.0000e-005	2.1700e-003	0.0000	5.3364	5.3364	1.1000e-004	0.0000	5.3393

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Phase 2 Construction - San Luis Obispo County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

Phase 2 Construction - San Luis Obispo County, Annual

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	tons/yr										MT/yr					
Mitigated	1.6193	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061
Unmitigated	1.6193	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061

Phase 2 Construction - 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
Consumer Products	1.5455					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	0.0738	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061
Total	1.6193	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061

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6.2 Area by SubCategory

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
Consumer Products	1.5455					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	0.0738	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061
Total	1.6193	0.0282	2.4517	1.3000e-004		0.0136	0.0136		0.0136	0.0136	0.0000	4.0098	4.0098	3.8500e-003	0.0000	4.1061

7.0 Water Detail

7.1 Mitigation Measures Water

Phase 2 Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Phase 2 Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	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

Phase 2 Construction - San Luis Obispo County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Phase 2 Construction - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	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
----------------	--------	-----------	-----------	-------------	-------------	-----------

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
----------------	--------

Phase 2 Construction - San Luis Obispo County, Annual

11.0 Vegetation

Phase 3 Construction - San Luis Obispo County, Summer

Phase 3 Construction
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	215.00	1000sqft	4.94	215,000.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	460.00	Dwelling Unit	12.11	460,000.00	1316

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3 Construction - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Construction Phase - Schedule adjusted proportionally to fit into three year period.

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Residential_Exterior	310500	0
tblAreaCoating	Area_Residential_Interior	931500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Phase 3 Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	370.00	588.00
tblConstructionPhase	NumDays	20.00	41.00

Phase 3 Construction - San Luis Obispo County, Summer

tblConstructionPhase	NumDays	20.00	41.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	132.50	87.50
tblSolidWaste	SolidWasteGenerationRate	211.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	29,970,851.79	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	18,894,667.43	0.00

Phase 3 Construction - San Luis Obispo County, Summer

tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

2.0 Emissions Summary

Phase 3 Construction - San Luis Obispo County, Summer

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	3.0689	27.9779	28.8044	0.0897	18.2442	1.1319	19.3319	9.9779	1.0414	10.9786	0.0000	8,999.1966	8,999.1966	1.9461	0.0000	9,019.6705
2028	2.9740	22.2734	28.0362	0.0884	5.7985	0.5623	6.3608	1.5520	0.5286	2.0806	0.0000	8,870.8303	8,870.8303	0.8126	0.0000	8,891.1439
2029	189.4471	22.0603	27.3085	0.0872	5.7986	0.5599	6.3585	1.5521	0.5263	2.0784	0.0000	8,756.2807	8,756.2807	0.8063	0.0000	8,776.4376
Maximum	189.4471	27.9779	28.8044	0.0897	18.2442	1.1319	19.3319	9.9779	1.0414	10.9786	0.0000	8,999.1966	8,999.1966	1.9461	0.0000	9,019.6705

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	2.2053	12.5987	33.3967	0.0897	18.2442	0.1160	18.3072	9.9779	0.1134	10.0408	0.0000	8,999.1966	8,999.1966	1.9461	0.0000	9,019.6705
2028	2.1104	12.3765	29.5666	0.0884	5.7985	0.1135	5.9120	1.5520	0.1111	1.6631	0.0000	8,870.8303	8,870.8303	0.8126	0.0000	8,891.1439
2029	189.3059	12.1634	28.8389	0.0872	5.7986	0.1111	5.9097	1.5521	0.1088	1.6609	0.0000	8,756.2807	8,756.2807	0.8063	0.0000	8,776.4376
Maximum	189.3059	12.5987	33.3967	0.0897	18.2442	0.1160	18.3072	9.9779	0.1134	10.0408	0.0000	8,999.1966	8,999.1966	1.9461	0.0000	9,019.6705

Phase 3 Construction - 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	N20	CO2e
Percent Reduction	0.96	48.64	-9.09	0.00	0.00	84.89	6.00	0.00	84.10	11.71	0.00	0.00	0.00	0.00	0.00	0.00

Phase 3 Construction - 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	15.6007	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217
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	15.6007	0.4369	37.9372	2.0100e-003	0.0000	0.2105	0.2105	0.0000	0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217

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	15.6007	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217
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	15.6007	0.4369	37.9372	2.0100e-003	0.0000	0.2105	0.2105	0.0000	0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217

Phase 3 Construction - 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	1/1/2027	2/18/2027	5	35	
2	Site Preparation	Site Preparation	2/19/2027	3/24/2027	5	24	
3	Grading	Grading	3/25/2027	6/7/2027	5	53	
4	Building Construction	Building Construction	6/8/2027	9/6/2029	5	588	
5	Paving	Paving	9/7/2029	11/2/2029	5	41	
6	Architectural Coating	Architectural Coating	11/3/2029	12/31/2029	5	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 0

Residential Indoor: 931,500; Residential Outdoor: 310,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3 Construction - San Luis Obispo County, Summer

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	524.00	133.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					2.6418	0.0000	2.6418	0.4001	0.0000	0.4001			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	2.0926	19.1966	19.4184	0.0388	2.6418	0.8528	3.4946	0.4001	0.7920	1.1920		3,747.5996	3,747.5996	1.0464		3,773.7606

Phase 3 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2027

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	0.0566	1.9134	0.6399	8.5800e-003	0.2069	4.3400e-003	0.2113	0.0567	4.1500e-003	0.0609		936.2100	936.2100	0.0592		937.6907
Vendor	0.0000	0.0000	0.0000	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	0.0262	0.2982	1.0700e-003	0.1483	7.6000e-004	0.1491	0.0393	7.0000e-004	0.0400		106.5479	106.5479	2.1400e-003		106.6014
Total	0.0987	1.9396	0.9381	9.6500e-003	0.3552	5.1000e-003	0.3603	0.0961	4.8500e-003	0.1009		1,042.7579	1,042.7579	0.0614		1,044.2921

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					2.6418	0.0000	2.6418	0.4001	0.0000	0.4001			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	0.4623	2.0032	23.2798	0.0388	2.6418	0.0616	2.7035	0.4001	0.0616	0.4617	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606

Phase 3 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2027

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	0.0566	1.9134	0.6399	8.5800e-003	0.2069	4.3400e-003	0.2113	0.0567	4.1500e-003	0.0609		936.2100	936.2100	0.0592		937.6907
Vendor	0.0000	0.0000	0.0000	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	0.0262	0.2982	1.0700e-003	0.1483	7.6000e-004	0.1491	0.0393	7.0000e-004	0.0400		106.5479	106.5479	2.1400e-003		106.6014
Total	0.0987	1.9396	0.9381	9.6500e-003	0.3552	5.1000e-003	0.3603	0.0961	4.8500e-003	0.1009		1,042.7579	1,042.7579	0.0614		1,044.2921

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	2.4727	25.2339	17.9118	0.0381	18.0663	1.0868	19.1531	9.9307	0.9999	10.9305		3,689.1037	3,689.1037	1.1931		3,718.9320

Phase 3 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2027

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	0.0505	0.0315	0.3578	1.2800e-003	0.1780	9.1000e-004	0.1789	0.0472	8.4000e-004	0.0480		127.8574	127.8574	2.5700e-003		127.9216
Total	0.0505	0.0315	0.3578	1.2800e-003	0.1780	9.1000e-004	0.1789	0.0472	8.4000e-004	0.0480		127.8574	127.8574	2.5700e-003		127.9216

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0381		0.0621	0.0621		0.0621	0.0621	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	0.4656	2.0175	20.8690	0.0381	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320

Phase 3 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2027

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	0.0505	0.0315	0.3578	1.2800e-003	0.1780	9.1000e-004	0.1789	0.0472	8.4000e-004	0.0480		127.8574	127.8574	2.5700e-003		127.9216
Total	0.0505	0.0315	0.3578	1.2800e-003	0.1780	9.1000e-004	0.1789	0.0472	8.4000e-004	0.0480		127.8574	127.8574	2.5700e-003		127.9216

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					7.7729	0.0000	7.7729	3.4993	0.0000	3.4993			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	2.9012	27.9429	26.3311	0.0621	7.7729	1.1309	8.9038	3.4993	1.0404	4.5397		6,008.2814	6,008.2814	1.9432		6,056.8614

Phase 3 Construction - San Luis Obispo County, Summer

3.4 Grading - 2027

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	0.0350	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

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					7.7729	0.0000	7.7729	3.4993	0.0000	3.4993			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0621		0.1015	0.1015		0.1015	0.1015	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	0.7616	3.3000	32.9991	0.0621	7.7729	0.1015	7.8745	3.4993	0.1015	3.6008	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614

Phase 3 Construction - San Luis Obispo County, Summer

3.4 Grading - 2027

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

3.5 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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 3 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2027

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	0.2313	9.1101	2.3044	0.0254	0.6181	0.0107	0.6288	0.1781	0.0103	0.1883		2,720.6507	2,720.6507	0.1432		2,724.2313
Worker	1.4702	0.9159	10.4154	0.0373	5.1803	0.0265	5.2069	1.3739	0.0244	1.3984		3,722.0715	3,722.0715	0.0748		3,723.9412
Total	1.7015	10.0260	12.7197	0.0627	5.7984	0.0373	5.8357	1.5520	0.0347	1.5867		6,442.7223	6,442.7223	0.2180		6,448.1724

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 3 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2027

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	0.2313	9.1101	2.3044	0.0254	0.6181	0.0107	0.6288	0.1781	0.0103	0.1883		2,720.6507	2,720.6507	0.1432		2,724.2313
Worker	1.4702	0.9159	10.4154	0.0373	5.1803	0.0265	5.2069	1.3739	0.0244	1.3984		3,722.0715	3,722.0715	0.0748		3,723.9412
Total	1.7015	10.0260	12.7197	0.0627	5.7984	0.0373	5.8357	1.5520	0.0347	1.5867		6,442.7223	6,442.7223	0.2180		6,448.1724

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 3 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2028

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	0.2235	8.9680	2.2291	0.0253	0.6182	0.0101	0.6283	0.1781	9.6600e-003	0.1878		2,710.0963	2,710.0963	0.1435		2,713.6838
Worker	1.3831	0.8356	9.7225	0.0361	5.1803	0.0246	5.2050	1.3739	0.0227	1.3966		3,604.2596	3,604.2596	0.0681		3,605.9620
Total	1.6066	9.8037	11.9516	0.0614	5.7985	0.0347	5.8332	1.5520	0.0323	1.5844		6,314.3559	6,314.3559	0.2116		6,319.6459

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 3 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2028

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	0.2235	8.9680	2.2291	0.0253	0.6182	0.0101	0.6283	0.1781	9.6600e-003	0.1878		2,710.0963	2,710.0963	0.1435		2,713.6838
Worker	1.3831	0.8356	9.7225	0.0361	5.1803	0.0246	5.2050	1.3739	0.0227	1.3966		3,604.2596	3,604.2596	0.0681		3,605.9620
Total	1.6066	9.8037	11.9516	0.0614	5.7985	0.0347	5.8332	1.5520	0.0323	1.5844		6,314.3559	6,314.3559	0.2116		6,319.6459

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 3 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2029

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	0.2164	8.8293	2.1651	0.0251	0.6182	9.4800e-003	0.6277	0.1781	9.0600e-003	0.1872		2,699.7170	2,699.7170	0.1436		2,703.3078
Worker	1.2908	0.7613	9.0588	0.0351	5.1803	0.0229	5.2032	1.3739	0.0210	1.3950		3,500.0893	3,500.0893	0.0617		3,501.6317
Total	1.5072	9.5906	11.2239	0.0602	5.7986	0.0323	5.8309	1.5521	0.0301	1.5821		6,199.8063	6,199.8063	0.2053		6,204.9395

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	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.5038	2.5728	17.6150	0.0270		0.0788	0.0788		0.0788	0.0788	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Phase 3 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2029

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	0.2164	8.8293	2.1651	0.0251	0.6182	9.4800e-003	0.6277	0.1781	9.0600e-003	0.1872		2,699.7170	2,699.7170	0.1436		2,703.3078
Worker	1.2908	0.7613	9.0588	0.0351	5.1803	0.0229	5.2032	1.3739	0.0210	1.3950		3,500.0893	3,500.0893	0.0617		3,501.6317
Total	1.5072	9.5906	11.2239	0.0602	5.7986	0.0323	5.8309	1.5521	0.0301	1.5821		6,199.8063	6,199.8063	0.2053		6,204.9395

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	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

Phase 3 Construction - San Luis Obispo County, Summer

3.6 Paving - 2029

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	0.0370	0.0218	0.2593	1.0000e-003	0.1483	6.5000e-004	0.1490	0.0393	6.0000e-004	0.0399		100.1934	100.1934	1.7700e-003		100.2376
Total	0.0370	0.0218	0.2593	1.0000e-003	0.1483	6.5000e-004	0.1490	0.0393	6.0000e-004	0.0399		100.1934	100.1934	1.7700e-003		100.2376

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878

Phase 3 Construction - San Luis Obispo County, Summer

3.6 Paving - 2029

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	0.0370	0.0218	0.2593	1.0000e-003	0.1483	6.5000e-004	0.1490	0.0393	6.0000e-004	0.0399		100.1934	100.1934	1.7700e-003		100.2376
Total	0.0370	0.0218	0.2593	1.0000e-003	0.1483	6.5000e-004	0.1490	0.0393	6.0000e-004	0.0399		100.1934	100.1934	1.7700e-003		100.2376

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	189.0176					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	189.1884	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Phase 3 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2029

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	0.2587	0.1526	1.8152	7.0300e-003	1.0380	4.5800e-003	1.0426	0.2753	4.2100e-003	0.2795		701.3538	701.3538	0.0124		701.6628
Total	0.2587	0.1526	1.8152	7.0300e-003	1.0380	4.5800e-003	1.0426	0.2753	4.2100e-003	0.2795		701.3538	701.3538	0.0124		701.6628

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	189.0176					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319
Total	189.0473	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0154		281.8319

Phase 3 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2029

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	0.2587	0.1526	1.8152	7.0300e-003	1.0380	4.5800e-003	1.0426	0.2753	4.2100e-003	0.2795		701.3538	701.3538	0.0124		701.6628
Total	0.2587	0.1526	1.8152	7.0300e-003	1.0380	4.5800e-003	1.0426	0.2753	4.2100e-003	0.2795		701.3538	701.3538	0.0124		701.6628

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Phase 3 Construction - 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	0.0000	0.0000	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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Phase 3 Construction - San Luis Obispo County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.608496	0.025331	0.199033	0.105470	0.015540	0.004582	0.012543	0.019850	0.002252	0.001068	0.004308	0.000715	0.000811
City Park	0.608496	0.025331	0.199033	0.105470	0.015540	0.004582	0.012543	0.019850	0.002252	0.001068	0.004308	0.000715	0.000811
General Office Building	0.608496	0.025331	0.199033	0.105470	0.015540	0.004582	0.012543	0.019850	0.002252	0.001068	0.004308	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

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

Phase 3 Construction - San Luis Obispo County, Summer

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	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
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
General Office Building	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

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	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
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
General Office Building	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

Phase 3 Construction - San Luis Obispo County, Summer

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	15.6007	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217
Unmitigated	15.6007	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217

Phase 3 Construction - 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
Consumer Products	14.4602					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	1.1405	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105		68.3826	68.3826	0.0656		70.0217
Total	15.6007	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217

Phase 3 Construction - San Luis Obispo County, Summer

6.2 Area by SubCategory

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
Consumer Products	14.4602					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	1.1405	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105		68.3826	68.3826	0.0656		70.0217
Total	15.6007	0.4369	37.9372	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0656	0.0000	70.0217

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Phase 3 Construction - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Phase 3 Construction - San Luis Obispo County, Annual

Phase 3 Construction
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	215.00	1000sqft	4.94	215,000.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	460.00	Dwelling Unit	12.11	460,000.00	1316

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3 Construction - San Luis Obispo County, Annual

Project Characteristics -

Land Use -

Construction Phase - Schedule adjusted proportionally to fit into three year period.

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Residential_Exterior	310500	0
tblAreaCoating	Area_Residential_Interior	931500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	370.00	588.00
tblConstructionPhase	NumDays	20.00	41.00

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tblConstructionPhase	NumDays	20.00	41.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	132.50	87.50
tblSolidWaste	SolidWasteGenerationRate	211.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	29,970,851.79	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	18,894,667.43	0.00

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tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

2.0 Emissions Summary

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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	0.3795	3.1009	3.4083	9.5500e-003	0.9031	0.1002	1.0033	0.3354	0.0931	0.4285	0.0000	861.0403	861.0403	0.1328	0.0000	864.3612
2028	0.3931	2.9111	3.6102	0.0113	0.7344	0.0731	0.8076	0.1970	0.0687	0.2658	0.0000	1,025.2919	1,025.2919	0.0960	0.0000	1,027.6923
2029	4.1649	2.1875	2.7981	8.3400e-003	0.5293	0.0599	0.5892	0.1419	0.0562	0.1981	0.0000	757.5026	757.5026	0.0794	0.0000	759.4880
Maximum	4.1649	3.1009	3.6102	0.0113	0.9031	0.1002	1.0033	0.3354	0.0931	0.4285	0.0000	1,025.2919	1,025.2919	0.1328	0.0000	1,027.6923

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	0.2059	1.1310	3.8021	9.5500e-003	0.9031	0.0133	0.9164	0.3354	0.0131	0.3485	0.0000	861.0398	861.0398	0.1328	0.0000	864.3607
2028	0.2808	1.6245	3.8092	0.0113	0.7344	0.0148	0.7492	0.1970	0.0145	0.2115	0.0000	1,025.2916	1,025.2916	0.0960	0.0000	1,027.6919
2029	4.0717	1.1299	2.9913	8.3400e-003	0.5293	0.0109	0.5402	0.1419	0.0107	0.1526	0.0000	757.5023	757.5023	0.0794	0.0000	759.4877
Maximum	4.0717	1.6245	3.8092	0.0113	0.9031	0.0148	0.9164	0.3354	0.0145	0.3485	0.0000	1,025.2916	1,025.2916	0.1328	0.0000	1,027.6919

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	ROG	NOx	CO	SO2	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	7.68	52.61	-8.01	0.00	0.00	83.28	8.09	0.00	82.45	20.15	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)
9	1-1-2027	3-31-2027	0.8234	0.1207
10	4-1-2027	6-30-2027	0.9613	0.2225
11	7-1-2027	9-30-2027	0.8400	0.4864
12	10-1-2027	12-31-2027	0.8498	0.4962
13	1-1-2028	3-31-2028	0.8295	0.4798
14	4-1-2028	6-30-2028	0.8205	0.4708
15	7-1-2028	9-30-2028	0.8296	0.4760
16	10-1-2028	12-31-2028	0.8386	0.4850
17	1-1-2029	3-31-2029	0.8096	0.4637
18	4-1-2029	6-30-2029	0.8104	0.4607
19	7-1-2029	9-30-2029	0.6875	0.3576
		Highest	0.9613	0.4962

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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	2.8272	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812
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	0.0000	0.0000	0.0000	0.0000	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	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	2.8272	0.0721	6.2596	3.3000e-004	0.0000	0.0347	0.0347	0.0000	0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812

Phase 3 Construction - 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	2.8272	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812
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	0.0000	0.0000	0.0000	0.0000	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	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	2.8272	0.0721	6.2596	3.3000e-004	0.0000	0.0347	0.0347	0.0000	0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2027	2/18/2027	5	35	
2	Site Preparation	Site Preparation	2/19/2027	3/24/2027	5	24	
3	Grading	Grading	3/25/2027	6/7/2027	5	53	
4	Building Construction	Building Construction	6/8/2027	9/6/2029	5	588	
5	Paving	Paving	9/7/2029	11/2/2029	5	41	
6	Architectural Coating	Architectural Coating	11/3/2029	12/31/2029	5	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 0

Residential Indoor: 931,500; Residential Outdoor: 310,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3 Construction - San Luis Obispo County, Annual

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

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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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	524.00	133.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.3359	0.3398	6.8000e-004		0.0149	0.0149		0.0139	0.0139	0.0000	59.4959	59.4959	0.0166	0.0000	59.9112
Total	0.0366	0.3359	0.3398	6.8000e-004	0.0462	0.0149	0.0612	7.0000e-003	0.0139	0.0209	0.0000	59.4959	59.4959	0.0166	0.0000	59.9112

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3.2 Demolition - 2027

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	1.0000e-003	0.0339	0.0114	1.5000e-004	3.5400e-003	8.0000e-005	3.6100e-003	9.7000e-004	7.0000e-005	1.0500e-003	0.0000	14.7638	14.7638	9.5000e-004	0.0000	14.7876
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	5.1000e-004	5.0000e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.6255	1.6255	3.0000e-005	0.0000	1.6263
Total	1.7600e-003	0.0344	0.0164	1.7000e-004	6.0700e-003	9.0000e-005	6.1500e-003	1.6400e-003	8.0000e-005	1.7300e-003	0.0000	16.3893	16.3893	9.8000e-004	0.0000	16.4139

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0900e-003	0.0351	0.4074	6.8000e-004		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	59.4958	59.4958	0.0166	0.0000	59.9111
Total	8.0900e-003	0.0351	0.4074	6.8000e-004	0.0462	1.0800e-003	0.0473	7.0000e-003	1.0800e-003	8.0800e-003	0.0000	59.4958	59.4958	0.0166	0.0000	59.9111

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3.2 Demolition - 2027

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	1.0000e-003	0.0339	0.0114	1.5000e-004	3.5400e-003	8.0000e-005	3.6100e-003	9.7000e-004	7.0000e-005	1.0500e-003	0.0000	14.7638	14.7638	9.5000e-004	0.0000	14.7876
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	5.1000e-004	5.0000e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.6255	1.6255	3.0000e-005	0.0000	1.6263
Total	1.7600e-003	0.0344	0.0164	1.7000e-004	6.0700e-003	9.0000e-005	6.1500e-003	1.6400e-003	8.0000e-005	1.7300e-003	0.0000	16.3893	16.3893	9.8000e-004	0.0000	16.4139

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					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0297	0.3028	0.2149	4.6000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	40.1604	40.1604	0.0130	0.0000	40.4851
Total	0.0297	0.3028	0.2149	4.6000e-004	0.2168	0.0130	0.2298	0.1192	0.0120	0.1312	0.0000	40.1604	40.1604	0.0130	0.0000	40.4851

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3.3 Site Preparation - 2027

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	6.2000e-004	4.2000e-004	4.1200e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.3376	1.3376	3.0000e-005	0.0000	1.3382
Total	6.2000e-004	4.2000e-004	4.1200e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.3376	1.3376	3.0000e-005	0.0000	1.3382

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	tons/yr										MT/yr					
Fugitive Dust					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5900e-003	0.0242	0.2504	4.6000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	40.1603	40.1603	0.0130	0.0000	40.4851
Total	5.5900e-003	0.0242	0.2504	4.6000e-004	0.2168	7.4000e-004	0.2175	0.1192	7.4000e-004	0.1199	0.0000	40.1603	40.1603	0.0130	0.0000	40.4851

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3.3 Site Preparation - 2027

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	6.2000e-004	4.2000e-004	4.1200e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.3376	1.3376	3.0000e-005	0.0000	1.3382
Total	6.2000e-004	4.2000e-004	4.1200e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.3376	1.3376	3.0000e-005	0.0000	1.3382

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					0.2060	0.0000	0.2060	0.0927	0.0000	0.0927	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0769	0.7405	0.6978	1.6400e-003		0.0300	0.0300		0.0276	0.0276	0.0000	144.4415	144.4415	0.0467	0.0000	145.6094
Total	0.0769	0.7405	0.6978	1.6400e-003	0.2060	0.0300	0.2360	0.0927	0.0276	0.1203	0.0000	144.4415	144.4415	0.0467	0.0000	145.6094

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3.4 Grading - 2027

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	1.5300e-003	1.0300e-003	0.0101	4.0000e-005	5.1000e-003	3.0000e-005	5.1300e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.2820	3.2820	7.0000e-005	0.0000	3.2837
Total	1.5300e-003	1.0300e-003	0.0101	4.0000e-005	5.1000e-003	3.0000e-005	5.1300e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.2820	3.2820	7.0000e-005	0.0000	3.2837

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					0.2060	0.0000	0.2060	0.0927	0.0000	0.0927	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.0875	0.8745	1.6400e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	144.4413	144.4413	0.0467	0.0000	145.6092
Total	0.0202	0.0875	0.8745	1.6400e-003	0.2060	2.6900e-003	0.2087	0.0927	2.6900e-003	0.0954	0.0000	144.4413	144.4413	0.0467	0.0000	145.6092

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3.4 Grading - 2027

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	1.5300e-003	1.0300e-003	0.0101	4.0000e-005	5.1000e-003	3.0000e-005	5.1300e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.2820	3.2820	7.0000e-005	0.0000	3.2837
Total	1.5300e-003	1.0300e-003	0.0101	4.0000e-005	5.1000e-003	3.0000e-005	5.1300e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.2820	3.2820	7.0000e-005	0.0000	3.2837

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	0.1019	0.9290	1.1983	2.0100e-003		0.0393	0.0393		0.0370	0.0370	0.0000	172.7800	172.7800	0.0406	0.0000	173.7954
Total	0.1019	0.9290	1.1983	2.0100e-003		0.0393	0.0393		0.0370	0.0370	0.0000	172.7800	172.7800	0.0406	0.0000	173.7954

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3.5 Building Construction - 2027

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	0.0177	0.6809	0.1829	1.8700e-003	0.0451	8.1000e-004	0.0459	0.0130	7.8000e-004	0.0138	0.0000	181.4123	181.4123	9.9700e-003	0.0000	181.6615
Worker	0.1129	0.0759	0.7439	2.6700e-003	0.3758	1.9800e-003	0.3778	0.0999	1.8200e-003	0.1017	0.0000	241.7414	241.7414	4.8600e-003	0.0000	241.8628
Total	0.1306	0.7568	0.9268	4.5400e-003	0.4209	2.7900e-003	0.4237	0.1129	2.6000e-003	0.1155	0.0000	423.1537	423.1537	0.0148	0.0000	423.5244

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	0.0375	0.1917	1.3123	2.0100e-003		5.8700e-003	5.8700e-003		5.8700e-003	5.8700e-003	0.0000	172.7798	172.7798	0.0406	0.0000	173.7952
Total	0.0375	0.1917	1.3123	2.0100e-003		5.8700e-003	5.8700e-003		5.8700e-003	5.8700e-003	0.0000	172.7798	172.7798	0.0406	0.0000	173.7952

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3.5 Building Construction - 2027

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	0.0177	0.6809	0.1829	1.8700e-003	0.0451	8.1000e-004	0.0459	0.0130	7.8000e-004	0.0138	0.0000	181.4123	181.4123	9.9700e-003	0.0000	181.6615
Worker	0.1129	0.0759	0.7439	2.6700e-003	0.3758	1.9800e-003	0.3778	0.0999	1.8200e-003	0.1017	0.0000	241.7414	241.7414	4.8600e-003	0.0000	241.8628
Total	0.1306	0.7568	0.9268	4.5400e-003	0.4209	2.7900e-003	0.4237	0.1129	2.6000e-003	0.1155	0.0000	423.1537	423.1537	0.0148	0.0000	423.5244

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

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3.5 Building Construction - 2028

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	0.0299	1.1692	0.3088	3.2400e-003	0.0786	1.3400e-003	0.0800	0.0227	1.2800e-003	0.0240	0.0000	315.3306	315.3306	0.0174	0.0000	315.7662
Worker	0.1854	0.1208	1.2104	4.5100e-003	0.6558	3.2000e-003	0.6590	0.1743	2.9500e-003	0.1772	0.0000	408.4661	408.4661	7.7200e-003	0.0000	408.6590
Total	0.2153	1.2901	1.5192	7.7500e-003	0.7344	4.5400e-003	0.7390	0.1970	4.2300e-003	0.2012	0.0000	723.7966	723.7966	0.0252	0.0000	724.4252

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	0.0655	0.3345	2.2900	3.5000e-003		0.0102	0.0102		0.0102	0.0102	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0655	0.3345	2.2900	3.5000e-003		0.0102	0.0102		0.0102	0.0102	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

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3.5 Building Construction - 2028

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	0.0299	1.1692	0.3088	3.2400e-003	0.0786	1.3400e-003	0.0800	0.0227	1.2800e-003	0.0240	0.0000	315.3306	315.3306	0.0174	0.0000	315.7662
Worker	0.1854	0.1208	1.2104	4.5100e-003	0.6558	3.2000e-003	0.6590	0.1743	2.9500e-003	0.1772	0.0000	408.4661	408.4661	7.7200e-003	0.0000	408.6590
Total	0.2153	1.2901	1.5192	7.7500e-003	0.7344	4.5400e-003	0.7390	0.1970	4.2300e-003	0.2012	0.0000	723.7966	723.7966	0.0252	0.0000	724.4252

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	0.1224	1.1160	1.4396	2.4100e-003		0.0472	0.0472		0.0444	0.0444	0.0000	207.5679	207.5679	0.0488	0.0000	208.7877
Total	0.1224	1.1160	1.4396	2.4100e-003		0.0472	0.0472		0.0444	0.0444	0.0000	207.5679	207.5679	0.0488	0.0000	208.7877

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3.5 Building Construction - 2029

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	0.0199	0.7923	0.2065	2.2200e-003	0.0542	8.6000e-004	0.0550	0.0157	8.2000e-004	0.0165	0.0000	216.2632	216.2632	0.0120	0.0000	216.5633
Worker	0.1192	0.0758	0.7755	3.0200e-003	0.4515	2.0400e-003	0.4535	0.1200	1.8800e-003	0.1219	0.0000	273.0739	273.0739	4.8100e-003	0.0000	273.1941
Total	0.1392	0.8681	0.9819	5.2400e-003	0.5056	2.9000e-003	0.5086	0.1356	2.7000e-003	0.1383	0.0000	489.3371	489.3371	0.0168	0.0000	489.7574

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	0.0451	0.2303	1.5765	2.4100e-003		7.0500e-003	7.0500e-003		7.0500e-003	7.0500e-003	0.0000	207.5677	207.5677	0.0488	0.0000	208.7875
Total	0.0451	0.2303	1.5765	2.4100e-003		7.0500e-003	7.0500e-003		7.0500e-003	7.0500e-003	0.0000	207.5677	207.5677	0.0488	0.0000	208.7875

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3.5 Building Construction - 2029

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	0.0199	0.7923	0.2065	2.2200e-003	0.0542	8.6000e-004	0.0550	0.0157	8.2000e-004	0.0165	0.0000	216.2632	216.2632	0.0120	0.0000	216.5633
Worker	0.1192	0.0758	0.7755	3.0200e-003	0.4515	2.0400e-003	0.4535	0.1200	1.8800e-003	0.1219	0.0000	273.0739	273.0739	4.8100e-003	0.0000	273.1941
Total	0.1392	0.8681	0.9819	5.2400e-003	0.5056	2.9000e-003	0.5086	0.1356	2.7000e-003	0.1383	0.0000	489.3371	489.3371	0.0168	0.0000	489.7574

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	0.0188	0.1759	0.2989	4.7000e-004		8.5800e-003	8.5800e-003		7.8900e-003	7.8900e-003	0.0000	41.0395	41.0395	0.0133	0.0000	41.3713
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0188	0.1759	0.2989	4.7000e-004		8.5800e-003	8.5800e-003		7.8900e-003	7.8900e-003	0.0000	41.0395	41.0395	0.0133	0.0000	41.3713

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3.6 Paving - 2029

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	7.8000e-004	5.0000e-004	5.0800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7905	1.7905	3.0000e-005	0.0000	1.7913
Total	7.8000e-004	5.0000e-004	5.0800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7905	1.7905	3.0000e-005	0.0000	1.7913

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	5.7500e-003	0.0249	0.3546	4.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	41.0394	41.0394	0.0133	0.0000	41.3713
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7500e-003	0.0249	0.3546	4.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	41.0394	41.0394	0.0133	0.0000	41.3713

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3.6 Paving - 2029

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	7.8000e-004	5.0000e-004	5.0800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7905	1.7905	3.0000e-005	0.0000	1.7913
Total	7.8000e-004	5.0000e-004	5.0800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.7905	1.7905	3.0000e-005	0.0000	1.7913

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	tons/yr										MT/yr					
Archit. Coating	3.8749					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5000e-003	0.0235	0.0371	6.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2413
Total	3.8784	0.0235	0.0371	6.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2413

Phase 3 Construction - San Luis Obispo County, Annual

3.7 Architectural Coating - 2029

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	5.4700e-003	3.4800e-003	0.0356	1.4000e-004	0.0207	9.0000e-005	0.0208	5.5100e-003	9.0000e-005	5.5900e-003	0.0000	12.5334	12.5334	2.2000e-004	0.0000	12.5389
Total	5.4700e-003	3.4800e-003	0.0356	1.4000e-004	0.0207	9.0000e-005	0.0208	5.5100e-003	9.0000e-005	5.5900e-003	0.0000	12.5334	12.5334	2.2000e-004	0.0000	12.5389

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	3.8749					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2413
Total	3.8755	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	2.9000e-004	0.0000	5.2413

Phase 3 Construction - San Luis Obispo County, Annual

3.7 Architectural Coating - 2029

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	5.4700e-003	3.4800e-003	0.0356	1.4000e-004	0.0207	9.0000e-005	0.0208	5.5100e-003	9.0000e-005	5.5900e-003	0.0000	12.5334	12.5334	2.2000e-004	0.0000	12.5389
Total	5.4700e-003	3.4800e-003	0.0356	1.4000e-004	0.0207	9.0000e-005	0.0208	5.5100e-003	9.0000e-005	5.5900e-003	0.0000	12.5334	12.5334	2.2000e-004	0.0000	12.5389

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Phase 3 Construction - San Luis Obispo County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.608496	0.025331	0.199033	0.105470	0.015540	0.004582	0.012543	0.019850	0.002252	0.001068	0.004308	0.000715	0.000811
City Park	0.608496	0.025331	0.199033	0.105470	0.015540	0.004582	0.012543	0.019850	0.002252	0.001068	0.004308	0.000715	0.000811
General Office Building	0.608496	0.025331	0.199033	0.105470	0.015540	0.004582	0.012543	0.019850	0.002252	0.001068	0.004308	0.000715	0.000811

5.0 Energy Detail

Historical Energy Use: N

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	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	0.0000

Phase 3 Construction - San Luis Obispo County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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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	tons/yr										MT/yr					
Mitigated	2.8272	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812
Unmitigated	2.8272	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812

Phase 3 Construction - 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
Consumer Products	2.6390					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	0.1882	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812
Total	2.8272	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812

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6.2 Area by SubCategory

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
Consumer Products	2.6390					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	0.1882	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812
Total	2.8272	0.0721	6.2596	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.8100e-003	0.0000	10.4812

7.0 Water Detail

7.1 Mitigation Measures Water

Phase 3 Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Phase 3 Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	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

Phase 3 Construction - San Luis Obispo County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Phase 3 Construction - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	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
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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Phase 3 Construction - San Luis Obispo County, Annual

11.0 Vegetation

Phase 4 Construction - San Luis Obispo County, Summer

Phase 4 Construction
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	215.00	1000sqft	4.94	215,000.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	460.00	Dwelling Unit	12.11	460,000.00	1316

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

Phase 4 Construction - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Schedule adjusted proportionally to fit into three years

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

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Residential_Exterior	310500	0
tblAreaCoating	Area_Residential_Interior	931500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Phase 4 Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	370.00	589.00
tblConstructionPhase	NumDays	20.00	41.00

Phase 4 Construction - San Luis Obispo County, Summer

tblConstructionPhase	NumDays	20.00	41.00
tblConstructionPhase	PhaseEndDate	1/26/2029	2/18/2030
tblConstructionPhase	PhaseEndDate	2/9/2029	3/22/2030
tblConstructionPhase	PhaseEndDate	3/30/2029	6/5/2030
tblConstructionPhase	PhaseEndDate	8/30/2030	9/7/2032
tblConstructionPhase	PhaseEndDate	9/27/2030	11/3/2032
tblConstructionPhase	PhaseEndDate	10/25/2030	12/30/2032
tblConstructionPhase	PhaseStartDate	1/1/2029	1/1/2030
tblConstructionPhase	PhaseStartDate	1/27/2029	2/19/2030
tblConstructionPhase	PhaseStartDate	2/10/2029	3/23/2030
tblConstructionPhase	PhaseStartDate	3/31/2029	6/6/2030
tblConstructionPhase	PhaseStartDate	8/31/2030	9/8/2032
tblConstructionPhase	PhaseStartDate	9/28/2030	11/4/2032
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	132.50	87.50
tblSolidWaste	SolidWasteGenerationRate	211.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00

Phase 4 Construction - San Luis Obispo County, Summer

tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	29,970,851.79	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	18,894,667.43	0.00
tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

2.0 Emissions Summary

Phase 4 Construction - San Luis Obispo County, Summer

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	3.3265	17.3423	26.7381	0.0902	18.2442	0.4887	18.6816	9.9779	0.4887	10.4152	0.0000	8,997.4609	8,997.4609	0.3160	0.0000	9,005.3605
2031	2.6189	17.1743	26.1273	0.0893	5.7987	0.1765	5.9751	1.5521	0.1745	1.7266	0.0000	8,910.9731	8,910.9731	0.3106	0.0000	8,918.7381
2032	189.3515	17.0205	25.5922	0.0885	5.7987	0.3312	5.9734	1.5521	0.3311	1.7250	0.0000	8,836.7431	8,836.7431	0.3058	0.0000	8,844.3885
Maximum	189.3515	17.3423	26.7381	0.0902	18.2442	0.4887	18.6816	9.9779	0.4887	10.4152	0.0000	8,997.4609	8,997.4609	0.3160	0.0000	9,005.3605

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	1.8590	11.8333	33.3222	0.0902	18.2442	0.1024	18.3070	9.9779	0.1023	10.0406	0.0000	8,997.4609	8,997.4609	0.3160	0.0000	9,005.3605
2031	1.7577	11.6654	27.5353	0.0893	5.7987	0.0826	5.8813	1.5521	0.0807	1.6328	0.0000	8,910.9731	8,910.9731	0.3106	0.0000	8,918.7381
2032	189.2505	11.5115	27.0003	0.0885	5.7987	0.0809	5.8796	1.5521	0.0791	1.6312	0.0000	8,836.7431	8,836.7431	0.3058	0.0000	8,844.3885
Maximum	189.2505	11.8333	33.3222	0.0902	18.2442	0.1024	18.3070	9.9779	0.1023	10.0406	0.0000	8,997.4609	8,997.4609	0.3160	0.0000	9,005.3605

Phase 4 Construction - 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	1.24	32.07	-11.98	0.00	0.00	73.32	1.84	0.00	73.65	4.05	0.00	0.00	0.00	0.00	0.00	0.00

Phase 4 Construction - 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	15.5944	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134
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	15.5944	0.4366	37.8728	2.0100e-003	0.0000	0.2105	0.2105	0.0000	0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134

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	15.5944	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134
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	15.5944	0.4366	37.8728	2.0100e-003	0.0000	0.2105	0.2105	0.0000	0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134

Phase 4 Construction - 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	1/1/2030	2/18/2030	5	35	
2	Site Preparation	Site Preparation	2/19/2030	3/22/2030	5	24	
3	Grading	Grading	3/23/2030	6/5/2030	5	53	
4	Building Construction	Building Construction	6/6/2030	9/7/2032	5	589	
5	Paving	Paving	9/8/2032	11/3/2032	5	41	
6	Architectural Coating	Architectural Coating	11/4/2032	12/30/2032	5	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 0

Residential Indoor: 931,500; Residential Outdoor: 310,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 4 Construction - San Luis Obispo County, Summer

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	524.00	133.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					2.6418	0.0000	2.6418	0.4001	0.0000	0.4001			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462	2.6418	0.3511	2.9929	0.4001	0.3511	0.7511		4,378.5819	4,378.5819	0.1847		4,383.2000

Phase 4 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2030

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	0.0539	1.7498	0.6368	8.4500e-003	0.2070	3.6900e-003	0.2107	0.0568	3.5300e-003	0.0603		924.2955	924.2955	0.0611		925.8241
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0344	0.0198	0.2423	9.8000e-004	0.1483	6.1000e-004	0.1489	0.0393	5.6000e-004	0.0399		97.5682	97.5682	1.6000e-003		97.6082
Total	0.0883	1.7696	0.8791	9.4300e-003	0.3553	4.3000e-003	0.3596	0.0961	4.0900e-003	0.1002		1,021.8636	1,021.8636	0.0627		1,023.4323

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					2.6418	0.0000	2.6418	0.4001	0.0000	0.4001			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	0.4623	2.0032	23.2798	0.0462	2.6418	0.0616	2.7035	0.4001	0.0616	0.4617	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Phase 4 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2030

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	0.0539	1.7498	0.6368	8.4500e-003	0.2070	3.6900e-003	0.2107	0.0568	3.5300e-003	0.0603		924.2955	924.2955	0.0611		925.8241
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0344	0.0198	0.2423	9.8000e-004	0.1483	6.1000e-004	0.1489	0.0393	5.6000e-004	0.0399		97.5682	97.5682	1.6000e-003		97.6082
Total	0.0883	1.7696	0.8791	9.4300e-003	0.3553	4.3000e-003	0.3596	0.0961	4.0900e-003	0.1002		1,021.8636	1,021.8636	0.0627		1,023.4323

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	18.0663	0.4367	18.5029	9.9307	0.4367	10.3673		4,409.7537	4,409.7537	0.2176		4,415.1936

Phase 4 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2030

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	0.0412	0.0238	0.2908	1.1700e-003	0.1780	7.3000e-004	0.1787	0.0472	6.7000e-004	0.0479		117.0818	117.0818	1.9200e-003		117.1299
Total	0.0412	0.0238	0.2908	1.1700e-003	0.1780	7.3000e-004	0.1787	0.0472	6.7000e-004	0.0479		117.0818	117.0818	1.9200e-003		117.1299

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0466		0.0621	0.0621		0.0621	0.0621	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	0.4656	2.0175	20.8690	0.0466	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Phase 4 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2030

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	0.0412	0.0238	0.2908	1.1700e-003	0.1780	7.3000e-004	0.1787	0.0472	6.7000e-004	0.0479		117.0818	117.0818	1.9200e-003		117.1299
Total	0.0412	0.0238	0.2908	1.1700e-003	0.1780	7.3000e-004	0.1787	0.0472	6.7000e-004	0.0479		117.0818	117.0818	1.9200e-003		117.1299

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					7.7729	0.0000	7.7729	3.4993	0.0000	3.4993			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	3.2807	13.8462	23.0239	0.0699	7.7729	0.4879	8.2608	3.4993	0.4879	3.9872		7,213.1086	7,213.1086	0.2915		7,220.3963

Phase 4 Construction - San Luis Obispo County, Summer

3.4 Grading - 2030

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	8.1000e-004	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					
Fugitive Dust					7.7729	0.0000	7.7729	3.4993	0.0000	3.4993			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	0.7616	3.3000	32.9991	0.0699	7.7729	0.1015	7.8745	3.4993	0.1015	3.6008	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963

Phase 4 Construction - San Luis Obispo County, Summer

3.4 Grading - 2030

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

3.5 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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 4 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2030

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	0.2110	8.7144	2.1164	0.0251	0.6183	9.0100e-003	0.6273	0.1781	8.6100e-003	0.1868		2,691.5332	2,691.5332	0.1438		2,695.1269
Worker	1.2001	0.6932	8.4648	0.0342	5.1803	0.0212	5.2015	1.3739	0.0195	1.3934		3,408.3810	3,408.3810	0.0560		3,409.7807
Total	1.4111	9.4076	10.5811	0.0592	5.7986	0.0302	5.8288	1.5521	0.0281	1.5802		6,099.9142	6,099.9142	0.1997		6,104.9076

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	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 4 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2030

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	0.2110	8.7144	2.1164	0.0251	0.6183	9.0100e-003	0.6273	0.1781	8.6100e-003	0.1868		2,691.5332	2,691.5332	0.1438		2,695.1269
Worker	1.2001	0.6932	8.4648	0.0342	5.1803	0.0212	5.2015	1.3739	0.0195	1.3934		3,408.3810	3,408.3810	0.0560		3,409.7807
Total	1.4111	9.4076	10.5811	0.0592	5.7986	0.0302	5.8288	1.5521	0.0281	1.5802		6,099.9142	6,099.9142	0.1997		6,104.9076

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 4 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2031

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	0.2065	8.6114	2.0791	0.0250	0.6183	8.5900e-003	0.6269	0.1782	8.2100e-003	0.1864		2,685.3853	2,685.3853	0.1438		2,688.9808
Worker	1.1033	0.6283	7.8912	0.0333	5.1803	0.0197	5.2001	1.3739	0.0182	1.3921		3,328.0411	3,328.0411	0.0505		3,329.3044
Total	1.3098	9.2397	9.9703	0.0583	5.7987	0.0283	5.8270	1.5521	0.0264	1.5785		6,013.4264	6,013.4264	0.1944		6,018.2853

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	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 4 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2031

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	0.2065	8.6114	2.0791	0.0250	0.6183	8.5900e-003	0.6269	0.1782	8.2100e-003	0.1864		2,685.3853	2,685.3853	0.1438		2,688.9808
Worker	1.1033	0.6283	7.8912	0.0333	5.1803	0.0197	5.2001	1.3739	0.0182	1.3921		3,328.0411	3,328.0411	0.0505		3,329.3044
Total	1.3098	9.2397	9.9703	0.0583	5.7987	0.0283	5.8270	1.5521	0.0264	1.5785		6,013.4264	6,013.4264	0.1944		6,018.2853

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 4 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2032

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	0.2029	8.5144	2.0528	0.0249	0.6184	8.2100e-003	0.6266	0.1782	7.8500e-003	0.1860		2,681.1316	2,681.1316	0.1439		2,684.7280
Worker	1.0141	0.5714	7.3825	0.0326	5.1803	0.0184	5.1987	1.3739	0.0169	1.3908		3,258.0648	3,258.0648	0.0457		3,259.2077
Total	1.2170	9.0859	9.4353	0.0576	5.7987	0.0266	5.8253	1.5521	0.0248	1.5769		5,939.1964	5,939.1964	0.1896		5,943.9357

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	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 4 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2032

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	0.2029	8.5144	2.0528	0.0249	0.6184	8.2100e-003	0.6266	0.1782	7.8500e-003	0.1860		2,681.1316	2,681.1316	0.1439		2,684.7280
Worker	1.0141	0.5714	7.3825	0.0326	5.1803	0.0184	5.1987	1.3739	0.0169	1.3908		3,258.0648	3,258.0648	0.0457		3,259.2077
Total	1.2170	9.0859	9.4353	0.0576	5.7987	0.0266	5.8253	1.5521	0.0248	1.5769		5,939.1964	5,939.1964	0.1896		5,943.9357

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302

Phase 4 Construction - San Luis Obispo County, Summer

3.6 Paving - 2032

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	0.0290	0.0164	0.2113	9.3000e-004	0.1483	5.3000e-004	0.1488	0.0393	4.8000e-004	0.0398		93.2652	93.2652	1.3100e-003		93.2979
Total	0.0290	0.0164	0.2113	9.3000e-004	0.1483	5.3000e-004	0.1488	0.0393	4.8000e-004	0.0398		93.2652	93.2652	1.3100e-003		93.2979

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	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302

Phase 4 Construction - San Luis Obispo County, Summer

3.6 Paving - 2032

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	0.0290	0.0164	0.2113	9.3000e-004	0.1483	5.3000e-004	0.1488	0.0393	4.8000e-004	0.0398		93.2652	93.2652	1.3100e-003		93.2979
Total	0.0290	0.0164	0.2113	9.3000e-004	0.1483	5.3000e-004	0.1488	0.0393	4.8000e-004	0.0398		93.2652	93.2652	1.3100e-003		93.2979

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	189.0176					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	189.1483	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Phase 4 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2032

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	0.2032	0.1145	1.4793	6.5400e-003	1.0380	3.6800e-003	1.0417	0.2753	3.3900e-003	0.2787		652.8565	652.8565	9.1600e-003		653.0855
Total	0.2032	0.1145	1.4793	6.5400e-003	1.0380	3.6800e-003	1.0417	0.2753	3.3900e-003	0.2787		652.8565	652.8565	9.1600e-003		653.0855

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	189.0176					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328
Total	189.0473	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0114		281.7328

Phase 4 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2032

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	0.2032	0.1145	1.4793	6.5400e-003	1.0380	3.6800e-003	1.0417	0.2753	3.3900e-003	0.2787		652.8565	652.8565	9.1600e-003		653.0855
Total	0.2032	0.1145	1.4793	6.5400e-003	1.0380	3.6800e-003	1.0417	0.2753	3.3900e-003	0.2787		652.8565	652.8565	9.1600e-003		653.0855

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Phase 4 Construction - 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	0.0000	0.0000	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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Phase 4 Construction - San Luis Obispo County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.613749	0.024718	0.199699	0.103007	0.013157	0.004230	0.012578	0.020047	0.002246	0.001037	0.004157	0.000697	0.000680
City Park	0.613749	0.024718	0.199699	0.103007	0.013157	0.004230	0.012578	0.020047	0.002246	0.001037	0.004157	0.000697	0.000680
General Office Building	0.613749	0.024718	0.199699	0.103007	0.013157	0.004230	0.012578	0.020047	0.002246	0.001037	0.004157	0.000697	0.000680

5.0 Energy Detail

Historical Energy Use: N

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

Phase 4 Construction - San Luis Obispo County, Summer

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	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
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
General Office Building	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

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	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
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
General Office Building	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

Phase 4 Construction - San Luis Obispo County, Summer

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	15.5944	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134
Unmitigated	15.5944	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134

Phase 4 Construction - 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
Consumer Products	14.4602					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	1.1342	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105		68.3826	68.3826	0.0652		70.0134
Total	15.5944	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134

Phase 4 Construction - San Luis Obispo County, Summer

6.2 Area by SubCategory

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
Consumer Products	14.4602					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	1.1342	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105		68.3826	68.3826	0.0652		70.0134
Total	15.5944	0.4366	37.8728	2.0100e-003		0.2105	0.2105		0.2105	0.2105	0.0000	68.3826	68.3826	0.0652	0.0000	70.0134

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Phase 4 Construction - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Phase 4 Construction - San Luis Obispo County, Annual

Phase 4 Construction
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	215.00	1000sqft	4.94	215,000.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Apartments Mid Rise	460.00	Dwelling Unit	12.11	460,000.00	1316

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Phase 4 Construction - San Luis Obispo County, Annual

Project Characteristics -

Land Use -

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Schedule adjusted proportionally to fit into three years

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

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	107500	0
tblAreaCoating	Area_Nonresidential_Interior	322500	0
tblAreaCoating	Area_Residential_Exterior	310500	0
tblAreaCoating	Area_Residential_Interior	931500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	35.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	370.00	589.00
tblConstructionPhase	NumDays	20.00	41.00

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tblConstructionPhase	NumDays	20.00	41.00
tblConstructionPhase	PhaseEndDate	1/26/2029	2/18/2030
tblConstructionPhase	PhaseEndDate	2/9/2029	3/22/2030
tblConstructionPhase	PhaseEndDate	3/30/2029	6/5/2030
tblConstructionPhase	PhaseEndDate	8/30/2030	9/7/2032
tblConstructionPhase	PhaseEndDate	9/27/2030	11/3/2032
tblConstructionPhase	PhaseEndDate	10/25/2030	12/30/2032
tblConstructionPhase	PhaseStartDate	1/1/2029	1/1/2030
tblConstructionPhase	PhaseStartDate	1/27/2029	2/19/2030
tblConstructionPhase	PhaseStartDate	2/10/2029	3/23/2030
tblConstructionPhase	PhaseStartDate	3/31/2029	6/6/2030
tblConstructionPhase	PhaseStartDate	8/31/2030	9/8/2032
tblConstructionPhase	PhaseStartDate	9/28/2030	11/4/2032
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	16.31	0.00
tblGrading	AcresOfGrading	132.50	87.50
tblSolidWaste	SolidWasteGenerationRate	211.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00

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tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	29,970,851.79	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	OutdoorWaterUseRate	18,894,667.43	0.00
tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00

2.0 Emissions Summary

Phase 4 Construction - San Luis Obispo County, Annual

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	0.3619	2.0339	3.1377	0.0100	0.9032	0.0377	0.9409	0.3354	0.0376	0.3729	0.0000	907.8615	907.8615	0.0349	0.0000	908.7333
2031	0.3474	2.2530	3.3797	0.0114	0.7373	0.0230	0.7603	0.1978	0.0228	0.2206	0.0000	1,035.2421	1,035.2421	0.0370	0.0000	1,036.1675
2032	4.1406	1.6971	2.6657	8.5600e-003	0.5293	0.0229	0.5523	0.1419	0.0228	0.1647	0.0000	772.1427	772.1427	0.0277	0.0000	772.8357
Maximum	4.1406	2.2530	3.3797	0.0114	0.9032	0.0377	0.9409	0.3354	0.0376	0.3729	0.0000	1,035.2421	1,035.2421	0.0370	0.0000	1,036.1675

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	0.1791	1.0681	3.6382	0.0100	0.9032	0.0109	0.9141	0.3354	0.0108	0.3461	0.0000	907.8609	907.8609	0.0349	0.0000	908.7327
2031	0.2350	1.5340	3.5634	0.0114	0.7373	0.0108	0.7481	0.1978	0.0105	0.2083	0.0000	1,035.2417	1,035.2417	0.0370	0.0000	1,036.1671
2032	4.0388	1.0681	2.8220	8.5600e-003	0.5293	8.1800e-003	0.5375	0.1419	8.0100e-003	0.1499	0.0000	772.1423	772.1423	0.0277	0.0000	772.8354
Maximum	4.0388	1.5340	3.6382	0.0114	0.9032	0.0109	0.9141	0.3354	0.0108	0.3461	0.0000	1,035.2417	1,035.2417	0.0370	0.0000	1,036.1671

Phase 4 Construction - 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
Percent Reduction	8.19	38.66	-9.15	0.00	0.00	64.26	2.39	0.00	64.73	7.09	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)
5	1-1-2030	3-31-2030	0.4803	0.1184
6	4-1-2030	6-30-2030	0.5845	0.2197
7	7-1-2030	9-30-2030	0.6592	0.4499
8	10-1-2030	12-31-2030	0.6668	0.4575
9	1-1-2031	3-31-2031	0.6429	0.4381
10	4-1-2031	6-30-2031	0.6433	0.4362
11	7-1-2031	9-30-2031	0.6503	0.4410
12	10-1-2031	12-31-2031	0.6571	0.4478
13	1-1-2032	3-31-2032	0.6413	0.4343
14	4-1-2032	6-30-2032	0.6353	0.4282
15	7-1-2032	9-30-2032	0.5519	0.3374
		Highest	0.6668	0.4575

Phase 4 Construction - San Luis Obispo County, Annual

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	2.8261	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800
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	0.0000	0.0000	0.0000	0.0000	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	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	2.8261	0.0720	6.2490	3.3000e-004	0.0000	0.0347	0.0347	0.0000	0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800

Phase 4 Construction - 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	2.8261	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800
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	0.0000	0.0000	0.0000	0.0000	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	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	2.8261	0.0720	6.2490	3.3000e-004	0.0000	0.0347	0.0347	0.0000	0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800

	ROG	NOx	CO	SO2	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 4 Construction - 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	1/1/2030	2/18/2030	5	35	
2	Site Preparation	Site Preparation	2/19/2030	3/22/2030	5	24	
3	Grading	Grading	3/23/2030	6/5/2030	5	53	
4	Building Construction	Building Construction	6/6/2030	9/7/2032	5	589	
5	Paving	Paving	9/8/2032	11/3/2032	5	41	
6	Architectural Coating	Architectural Coating	11/4/2032	12/30/2032	5	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 0

Residential Indoor: 931,500; Residential Outdoor: 310,500; Non-Residential Indoor: 322,500; Non-Residential Outdoor: 107,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 4 Construction - San Luis Obispo County, Annual

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	524.00	133.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	105.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0363	0.1711	0.3310	8.1000e-004		6.1400e-003	6.1400e-003		6.1400e-003	6.1400e-003	0.0000	69.5132	69.5132	2.9300e-003	0.0000	69.5865
Total	0.0363	0.1711	0.3310	8.1000e-004	0.0462	6.1400e-003	0.0524	7.0000e-003	6.1400e-003	0.0131	0.0000	69.5132	69.5132	2.9300e-003	0.0000	69.5865

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3.2 Demolition - 2030

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	9.5000e-004	0.0310	0.0114	1.5000e-004	3.5400e-003	6.0000e-005	3.6100e-003	9.7000e-004	6.0000e-005	1.0400e-003	0.0000	14.5758	14.5758	9.8000e-004	0.0000	14.6003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.9000e-004	4.0500e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.4883	1.4883	2.0000e-005	0.0000	1.4890
Total	1.5700e-003	0.0314	0.0154	1.7000e-004	6.0700e-003	7.0000e-005	6.1500e-003	1.6400e-003	7.0000e-005	1.7200e-003	0.0000	16.0641	16.0641	1.0000e-003	0.0000	16.0893

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0900e-003	0.0351	0.4074	8.1000e-004		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	69.5131	69.5131	2.9300e-003	0.0000	69.5864
Total	8.0900e-003	0.0351	0.4074	8.1000e-004	0.0462	1.0800e-003	0.0473	7.0000e-003	1.0800e-003	8.0800e-003	0.0000	69.5131	69.5131	2.9300e-003	0.0000	69.5864

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3.2 Demolition - 2030

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	9.5000e-004	0.0310	0.0114	1.5000e-004	3.5400e-003	6.0000e-005	3.6100e-003	9.7000e-004	6.0000e-005	1.0400e-003	0.0000	14.5758	14.5758	9.8000e-004	0.0000	14.6003
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	3.9000e-004	4.0500e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.4883	1.4883	2.0000e-005	0.0000	1.4890
Total	1.5700e-003	0.0314	0.0154	1.7000e-004	6.0700e-003	7.0000e-005	6.1500e-003	1.6400e-003	7.0000e-005	1.7200e-003	0.0000	16.0641	16.0641	1.0000e-003	0.0000	16.0893

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					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.1640	0.1955	5.6000e-004		5.2400e-003	5.2400e-003		5.2400e-003	5.2400e-003	0.0000	48.0055	48.0055	2.3700e-003	0.0000	48.0648
Total	0.0293	0.1640	0.1955	5.6000e-004	0.2168	5.2400e-003	0.2220	0.1192	5.2400e-003	0.1244	0.0000	48.0055	48.0055	2.3700e-003	0.0000	48.0648

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3.3 Site Preparation - 2030

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	5.1000e-004	3.2000e-004	3.3300e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.2247	1.2247	2.0000e-005	0.0000	1.2252
Total	5.1000e-004	3.2000e-004	3.3300e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.2247	1.2247	2.0000e-005	0.0000	1.2252

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					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5900e-003	0.0242	0.2504	5.6000e-004		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	48.0055	48.0055	2.3700e-003	0.0000	48.0647
Total	5.5900e-003	0.0242	0.2504	5.6000e-004	0.2168	7.4000e-004	0.2175	0.1192	7.4000e-004	0.1199	0.0000	48.0055	48.0055	2.3700e-003	0.0000	48.0647

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3.3 Site Preparation - 2030

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	5.1000e-004	3.2000e-004	3.3300e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.2247	1.2247	2.0000e-005	0.0000	1.2252
Total	5.1000e-004	3.2000e-004	3.3300e-003	1.0000e-005	2.0800e-003	1.0000e-005	2.0900e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.2247	1.2247	2.0000e-005	0.0000	1.2252

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					0.2060	0.0000	0.2060	0.0927	0.0000	0.0927	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0869	0.3669	0.6101	1.8500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	173.4060	173.4060	7.0100e-003	0.0000	173.5812
Total	0.0869	0.3669	0.6101	1.8500e-003	0.2060	0.0129	0.2189	0.0927	0.0129	0.1057	0.0000	173.4060	173.4060	7.0100e-003	0.0000	173.5812

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3.4 Grading - 2030

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	1.2500e-003	7.8000e-004	8.1800e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.0050	3.0050	5.0000e-005	0.0000	3.0063
Total	1.2500e-003	7.8000e-004	8.1800e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.0050	3.0050	5.0000e-005	0.0000	3.0063

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					0.2060	0.0000	0.2060	0.0927	0.0000	0.0927	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.0875	0.8745	1.8500e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	173.4058	173.4058	7.0100e-003	0.0000	173.5810
Total	0.0202	0.0875	0.8745	1.8500e-003	0.2060	2.6900e-003	0.2087	0.0927	2.6900e-003	0.0954	0.0000	173.4058	173.4058	7.0100e-003	0.0000	173.5810

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3.4 Grading - 2030

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	1.2500e-003	7.8000e-004	8.1800e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.0050	3.0050	5.0000e-005	0.0000	3.0063
Total	1.2500e-003	7.8000e-004	8.1800e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3800e-003	0.0000	3.0050	3.0050	5.0000e-005	0.0000	3.0063

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	0.0975	0.5911	1.2037	2.3100e-003		0.0110	0.0110		0.0110	0.0110	0.0000	195.8315	195.8315	7.8600e-003	0.0000	196.0279
Total	0.0975	0.5911	1.2037	2.3100e-003		0.0110	0.0110		0.0110	0.0110	0.0000	195.8315	195.8315	7.8600e-003	0.0000	196.0279

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3.5 Building Construction - 2030

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	0.0162	0.6508	0.1680	1.8400e-003	0.0451	6.8000e-004	0.0458	0.0130	6.5000e-004	0.0137	0.0000	179.4708	179.4708	0.0100	0.0000	179.7208
Worker	0.0924	0.0574	0.6024	2.4400e-003	0.3758	1.5800e-003	0.3774	0.0999	1.4500e-003	0.1013	0.0000	221.3407	221.3407	3.6300e-003	0.0000	221.4314
Total	0.1085	0.7083	0.7704	4.2800e-003	0.4209	2.2600e-003	0.4232	0.1129	2.1000e-003	0.1150	0.0000	400.8115	400.8115	0.0136	0.0000	401.1522

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	0.0334	0.1807	1.3086	2.3100e-003		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	195.8312	195.8312	7.8600e-003	0.0000	196.0276
Total	0.0334	0.1807	1.3086	2.3100e-003		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	195.8312	195.8312	7.8600e-003	0.0000	196.0276

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3.5 Building Construction - 2030

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	0.0162	0.6508	0.1680	1.8400e-003	0.0451	6.8000e-004	0.0458	0.0130	6.5000e-004	0.0137	0.0000	179.4708	179.4708	0.0100	0.0000	179.7208
Worker	0.0924	0.0574	0.6024	2.4400e-003	0.3758	1.5800e-003	0.3774	0.0999	1.4500e-003	0.1013	0.0000	221.3407	221.3407	3.6300e-003	0.0000	221.4314
Total	0.1085	0.7083	0.7704	4.2800e-003	0.4209	2.2600e-003	0.4232	0.1129	2.1000e-003	0.1150	0.0000	400.8115	400.8115	0.0136	0.0000	401.1522

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

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3.5 Building Construction - 2031

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	0.0277	1.1263	0.2891	3.2200e-003	0.0790	1.1400e-003	0.0801	0.0228	1.0900e-003	0.0239	0.0000	313.6502	313.6502	0.0175	0.0000	314.0882
Worker	0.1488	0.0911	0.9821	4.1800e-003	0.6583	2.5800e-003	0.6609	0.1750	2.3700e-003	0.1773	0.0000	378.5584	378.5584	5.7300e-003	0.0000	378.7016
Total	0.1765	1.2175	1.2712	7.4000e-003	0.7373	3.7200e-003	0.7410	0.1978	3.4600e-003	0.2012	0.0000	692.2085	692.2085	0.0233	0.0000	692.7898

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	0.0585	0.3166	2.2922	4.0400e-003		7.0900e-003	7.0900e-003		7.0900e-003	7.0900e-003	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.0585	0.3166	2.2922	4.0400e-003		7.0900e-003	7.0900e-003		7.0900e-003	7.0900e-003	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

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3.5 Building Construction - 2031

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	0.0277	1.1263	0.2891	3.2200e-003	0.0790	1.1400e-003	0.0801	0.0228	1.0900e-003	0.0239	0.0000	313.6502	313.6502	0.0175	0.0000	314.0882
Worker	0.1488	0.0911	0.9821	4.1800e-003	0.6583	2.5800e-003	0.6609	0.1750	2.3700e-003	0.1773	0.0000	378.5584	378.5584	5.7300e-003	0.0000	378.7016
Total	0.1765	1.2175	1.2712	7.4000e-003	0.7373	3.7200e-003	0.7410	0.1978	3.4600e-003	0.2012	0.0000	692.2085	692.2085	0.0233	0.0000	692.7898

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	0.1172	0.7102	1.4461	2.7700e-003		0.0133	0.0133		0.0133	0.0133	0.0000	235.2606	235.2606	9.4400e-003	0.0000	235.4966
Total	0.1172	0.7102	1.4461	2.7700e-003		0.0133	0.0133		0.0133	0.0133	0.0000	235.2606	235.2606	9.4400e-003	0.0000	235.4966

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3.5 Building Construction - 2032

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	0.0187	0.7636	0.1957	2.2000e-003	0.0542	7.4000e-004	0.0549	0.0157	7.1000e-004	0.0164	0.0000	214.7603	214.7603	0.0120	0.0000	215.0607
Worker	0.0939	0.0568	0.6291	2.8100e-003	0.4515	1.6400e-003	0.4531	0.1200	1.5100e-003	0.1215	0.0000	254.1522	254.1522	3.5500e-003	0.0000	254.2410
Total	0.1126	0.8205	0.8249	5.0100e-003	0.5057	2.3800e-003	0.5080	0.1357	2.2200e-003	0.1379	0.0000	468.9125	468.9125	0.0156	0.0000	469.3018

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	0.0401	0.2171	1.5721	2.7700e-003		4.8600e-003	4.8600e-003		4.8600e-003	4.8600e-003	0.0000	235.2603	235.2603	9.4400e-003	0.0000	235.4963
Total	0.0401	0.2171	1.5721	2.7700e-003		4.8600e-003	4.8600e-003		4.8600e-003	4.8600e-003	0.0000	235.2603	235.2603	9.4400e-003	0.0000	235.4963

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3.5 Building Construction - 2032

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	0.0187	0.7636	0.1957	2.2000e-003	0.0542	7.4000e-004	0.0549	0.0157	7.1000e-004	0.0164	0.0000	214.7603	214.7603	0.0120	0.0000	215.0607
Worker	0.0939	0.0568	0.6291	2.8100e-003	0.4515	1.6400e-003	0.4531	0.1200	1.5100e-003	0.1215	0.0000	254.1522	254.1522	3.5500e-003	0.0000	254.2410
Total	0.1126	0.8205	0.8249	5.0100e-003	0.5057	2.3800e-003	0.5080	0.1357	2.2200e-003	0.1379	0.0000	468.9125	468.9125	0.0156	0.0000	469.3018

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	0.0284	0.1460	0.3249	5.7000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003	0.0000	49.4040	49.4040	2.3200e-003	0.0000	49.4619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0284	0.1460	0.3249	5.7000e-004		6.7800e-003	6.7800e-003		6.7800e-003	6.7800e-003	0.0000	49.4040	49.4040	2.3200e-003	0.0000	49.4619

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3.6 Paving - 2032

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	6.2000e-004	3.7000e-004	4.1200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.6664	1.6664	2.0000e-005	0.0000	1.6670
Total	6.2000e-004	3.7000e-004	4.1200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.6664	1.6664	2.0000e-005	0.0000	1.6670

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	5.7500e-003	0.0249	0.3546	5.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	49.4040	49.4040	2.3200e-003	0.0000	49.4619
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7500e-003	0.0249	0.3546	5.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	49.4040	49.4040	2.3200e-003	0.0000	49.4619

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3.6 Paving - 2032

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	6.2000e-004	3.7000e-004	4.1200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.6664	1.6664	2.0000e-005	0.0000	1.6670
Total	6.2000e-004	3.7000e-004	4.1200e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	8.0000e-004	0.0000	1.6664	1.6664	2.0000e-005	0.0000	1.6670

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	3.8749					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6800e-003	0.0176	0.0369	6.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	5.2342	5.2342	2.1000e-004	0.0000	5.2395
Total	3.8775	0.0176	0.0369	6.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004	0.0000	5.2342	5.2342	2.1000e-004	0.0000	5.2395

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3.7 Architectural Coating - 2032

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	4.3100e-003	2.6100e-003	0.0289	1.3000e-004	0.0207	8.0000e-005	0.0208	5.5100e-003	7.0000e-005	5.5800e-003	0.0000	11.6650	11.6650	1.6000e-004	0.0000	11.6690
Total	4.3100e-003	2.6100e-003	0.0289	1.3000e-004	0.0207	8.0000e-005	0.0208	5.5100e-003	7.0000e-005	5.5800e-003	0.0000	11.6650	11.6650	1.6000e-004	0.0000	11.6690

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	3.8749					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	2.1000e-004	0.0000	5.2395
Total	3.8755	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	2.1000e-004	0.0000	5.2395

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3.7 Architectural Coating - 2032

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	4.3100e-003	2.6100e-003	0.0289	1.3000e-004	0.0207	8.0000e-005	0.0208	5.5100e-003	7.0000e-005	5.5800e-003	0.0000	11.6650	11.6650	1.6000e-004	0.0000	11.6690
Total	4.3100e-003	2.6100e-003	0.0289	1.3000e-004	0.0207	8.0000e-005	0.0208	5.5100e-003	7.0000e-005	5.5800e-003	0.0000	11.6650	11.6650	1.6000e-004	0.0000	11.6690

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Phase 4 Construction - 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	0.0000	0.0000	0.0000	0.0000	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		
City Park	0.00	0.00	0.00		
General Office Building	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
City Park	13.00	5.00	5.00	33.00	48.00	19.00	66	28	6
General Office Building	13.00	5.00	5.00	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.613749	0.024718	0.199699	0.103007	0.013157	0.004230	0.012578	0.020047	0.002246	0.001037	0.004157	0.000697	0.000680
City Park	0.613749	0.024718	0.199699	0.103007	0.013157	0.004230	0.012578	0.020047	0.002246	0.001037	0.004157	0.000697	0.000680
General Office Building	0.613749	0.024718	0.199699	0.103007	0.013157	0.004230	0.012578	0.020047	0.002246	0.001037	0.004157	0.000697	0.000680

5.0 Energy Detail

Historical Energy Use: N

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	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	0.0000

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

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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	tons/yr										MT/yr					
Mitigated	2.8261	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800
Unmitigated	2.8261	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800

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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
Consumer Products	2.6390					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	0.1871	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800
Total	2.8261	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800

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6.2 Area by SubCategory

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
Consumer Products	2.6390					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	0.1871	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800
Total	2.8261	0.0720	6.2490	3.3000e-004		0.0347	0.0347		0.0347	0.0347	0.0000	10.2359	10.2359	9.7600e-003	0.0000	10.4800

7.0 Water Detail

7.1 Mitigation Measures Water

Phase 4 Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	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

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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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
General Office Building	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
----------------	--------	-----------	-----------	-------------	-------------	-----------

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
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User Defined Equipment

Equipment Type	Number
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Phase 4 Construction - San Luis Obispo County, Annual

11.0 Vegetation

Phase 5 Construction - San Luis Obispo County, Summer

Phase 5 Construction
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	215.00	1000sqft	4.94	215,000.00	0
Arena	1.90	Acre	1.90	82,764.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Health Club	120.00	1000sqft	2.75	120,000.00	0
Apartments Mid Rise	460.00	Dwelling Unit	12.11	460,000.00	1316

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

Phase 5 Construction - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Schedule adjusted proportionally to fit into three year period

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

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	208882	0
tblAreaCoating	Area_Nonresidential_Interior	626646	0
tblAreaCoating	Area_Residential_Exterior	310500	0
tblAreaCoating	Area_Residential_Interior	931500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

Phase 5 Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	35.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	45.00	53.00
tblConstructionPhase	NumDays	440.00	587.00
tblConstructionPhase	NumDays	35.00	41.00

Phase 5 Construction - San Luis Obispo County, Summer

tblConstructionPhase	NumDays	35.00	41.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	1.48	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24E	1.48	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	19.71	0.00
tblEnergyUse	T24NG	16.31	0.00
tblEnergyUse	T24NG	19.71	0.00
tblGrading	AcresOfGrading	132.50	112.50
tblSolidWaste	SolidWasteGenerationRate	211.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblSolidWaste	SolidWasteGenerationRate	684.00	0.00

Phase 5 Construction - San Luis Obispo County, Summer

tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	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	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	29,970,851.79	0.00
tblWater	IndoorWaterUseRate	2,557,697.57	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	IndoorWaterUseRate	7,097,177.28	0.00
tblWater	OutdoorWaterUseRate	18,894,667.43	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00
tblWater	OutdoorWaterUseRate	4,349,882.85	0.00

2.0 Emissions Summary

Phase 5 Construction - San Luis Obispo County, Summer

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	3.3165	19.0678	26.7749	0.0993	18.2442	0.4886	18.6815	9.9779	0.4885	10.4151	0.0000	9,956.759 0	9,956.759 0	0.3444	0.0000	9,965.369 9
2034	2.5792	18.9311	26.3091	0.0986	6.7925	0.1763	6.9689	1.8192	0.1744	1.9936	0.0000	9,894.097 2	9,894.097 2	0.3403	0.0000	9,902.604 0
2035	235.1732	18.0435	25.8775	0.0981	6.7926	0.1878	6.9097	1.8192	0.1878	1.9346	0.0000	9,841.343 2	9,841.343 2	0.3283	0.0000	9,849.550 9
Maximum	235.1732	19.0678	26.7749	0.0993	18.2442	0.4886	18.6815	9.9779	0.4885	10.4151	0.0000	9,956.759 0	9,956.759 0	0.3444	0.0000	9,965.369 9

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	1.7899	13.5589	33.2646	0.0993	18.2442	0.1022	18.3069	9.9779	0.1021	10.0405	0.0000	9,956.759 0	9,956.759 0	0.3444	0.0000	9,965.369 9
2034	1.7181	13.4221	27.7172	0.0986	6.7925	0.0825	6.8750	1.8192	0.0805	1.8998	0.0000	9,894.097 2	9,894.097 2	0.3403	0.0000	9,902.604 0
2035	235.0850	13.2618	27.3109	0.0981	6.7926	0.0726	6.8652	1.8192	0.0708	1.8900	0.0000	9,841.343 2	9,841.343 2	0.3283	0.0000	9,849.550 9
Maximum	235.0850	13.5589	33.2646	0.0993	18.2442	0.1022	18.3069	9.9779	0.1021	10.0405	0.0000	9,956.759 0	9,956.759 0	0.3444	0.0000	9,965.369 9

Phase 5 Construction - 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	1.03	28.19	-11.82	0.00	0.00	69.83	1.58	0.00	70.20	3.58	0.00	0.00	0.00	0.00	0.00	0.00

Phase 5 Construction - 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	19.9333	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404
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	19.9333	0.4366	37.8521	2.0100e-003	0.0000	0.2106	0.2106	0.0000	0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404

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	19.9333	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404
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	19.9333	0.4366	37.8521	2.0100e-003	0.0000	0.2106	0.2106	0.0000	0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404

Phase 5 Construction - 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	1/1/2033	2/18/2033	5	35	
2	Site Preparation	Site Preparation	2/19/2033	3/23/2033	5	23	
3	Grading	Grading	3/24/2033	6/6/2033	5	53	
4	Building Construction	Building Construction	6/7/2033	9/5/2035	5	587	
5	Paving	Paving	9/6/2035	11/1/2035	5	41	
6	Architectural Coating	Architectural Coating	11/2/2035	12/28/2035	5	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 931,500; Residential Outdoor: 310,500; Non-Residential Indoor: 626,646; Non-Residential Outdoor: 208,882; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 5 Construction - San Luis Obispo County, Summer

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

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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	609.00	166.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	122.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					2.6418	0.0000	2.6418	0.4001	0.0000	0.4001			0.0000			0.0000
Off-Road	2.0746	9.7770	18.9168	0.0462		0.3511	0.3511		0.3511	0.3511		4,378.5819	4,378.5819	0.1847		4,383.2000
Total	2.0746	9.7770	18.9168	0.0462	2.6418	0.3511	2.9929	0.4001	0.3511	0.7511		4,378.5819	4,378.5819	0.1847		4,383.2000

Phase 5 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2033

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	0.0524	1.6472	0.6386	8.3700e-003	0.2071	3.2900e-003	0.2104	0.0568	3.1500e-003	0.0600		917.5420	917.5420	0.0623		919.1000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0269	0.0150	0.1991	9.2000e-004	0.1483	4.9000e-004	0.1488	0.0393	4.5000e-004	0.0398		91.5361	91.5361	1.1900e-003		91.5660
Total	0.0793	1.6622	0.8376	9.2900e-003	0.3554	3.7800e-003	0.3592	0.0961	3.6000e-003	0.0997		1,009.0781	1,009.0781	0.0635		1,010.6660

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					2.6418	0.0000	2.6418	0.4001	0.0000	0.4001			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0462		0.0616	0.0616		0.0616	0.0616	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000
Total	0.4623	2.0032	23.2798	0.0462	2.6418	0.0616	2.7035	0.4001	0.0616	0.4617	0.0000	4,378.5819	4,378.5819	0.1847		4,383.2000

Phase 5 Construction - San Luis Obispo County, Summer

3.2 Demolition - 2033

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	0.0524	1.6472	0.6386	8.3700e-003	0.2071	3.2900e-003	0.2104	0.0568	3.1500e-003	0.0600		917.5420	917.5420	0.0623		919.1000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0269	0.0150	0.1991	9.2000e-004	0.1483	4.9000e-004	0.1488	0.0393	4.5000e-004	0.0398		91.5361	91.5361	1.1900e-003		91.5660
Total	0.0793	1.6622	0.8376	9.2900e-003	0.3554	3.7800e-003	0.3592	0.0961	3.6000e-003	0.0997		1,009.0781	1,009.0781	0.0635		1,010.6660

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4399	13.6680	16.2918	0.0466		0.4367	0.4367		0.4367	0.4367		4,409.7537	4,409.7537	0.2176		4,415.1936
Total	2.4399	13.6680	16.2918	0.0466	18.0663	0.4367	18.5029	9.9307	0.4367	10.3673		4,409.7537	4,409.7537	0.2176		4,415.1936

Phase 5 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2033

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	0.0323	0.0180	0.2389	1.1000e-003	0.1780	5.9000e-004	0.1785	0.0472	5.4000e-004	0.0477		109.8433	109.8433	1.4300e-003		109.8791
Total	0.0323	0.0180	0.2389	1.1000e-003	0.1780	5.9000e-004	0.1785	0.0472	5.4000e-004	0.0477		109.8433	109.8433	1.4300e-003		109.8791

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0466		0.0621	0.0621		0.0621	0.0621	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936
Total	0.4656	2.0175	20.8690	0.0466	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	4,409.7537	4,409.7537	0.2176		4,415.1936

Phase 5 Construction - San Luis Obispo County, Summer

3.3 Site Preparation - 2033

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	0.0323	0.0180	0.2389	1.1000e-003	0.1780	5.9000e-004	0.1785	0.0472	5.4000e-004	0.0477		109.8433	109.8433	1.4300e-003		109.8791
Total	0.0323	0.0180	0.2389	1.1000e-003	0.1780	5.9000e-004	0.1785	0.0472	5.4000e-004	0.0477		109.8433	109.8433	1.4300e-003		109.8791

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					8.2732	0.0000	8.2732	3.5533	0.0000	3.5533			0.0000			0.0000
Off-Road	3.2807	13.8462	23.0239	0.0699		0.4879	0.4879		0.4879	0.4879		7,213.1086	7,213.1086	0.2915		7,220.3963
Total	3.2807	13.8462	23.0239	0.0699	8.2732	0.4879	8.7611	3.5533	0.4879	4.0412		7,213.1086	7,213.1086	0.2915		7,220.3963

Phase 5 Construction - San Luis Obispo County, Summer

3.4 Grading - 2033

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	6.6000e-004	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					
Fugitive Dust					8.2732	0.0000	8.2732	3.5533	0.0000	3.5533			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0699		0.1015	0.1015		0.1015	0.1015	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963
Total	0.7616	3.3000	32.9991	0.0699	8.2732	0.1015	8.3747	3.5533	0.1015	3.6548	0.0000	7,213.1086	7,213.1086	0.2915		7,220.3963

Phase 5 Construction - San Luis Obispo County, Summer

3.4 Grading - 2033

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

3.5 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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 5 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2033

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	0.2498	10.5237	2.5348	0.0311	0.7719	9.8600e-003	0.7817	0.2224	9.4200e-003	0.2318		3,342.8464	3,342.8464	0.1797		3,347.3396
Worker	1.0922	0.6095	8.0831	0.0372	6.0207	0.0200	6.0406	1.5968	0.0184	1.6151		3,716.3659	3,716.3659	0.0485		3,717.5775
Total	1.3420	11.1332	10.6179	0.0683	6.7925	0.0298	6.8223	1.8192	0.0278	1.8470		7,059.2122	7,059.2122	0.2282		7,064.9170

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	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 5 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2033

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	0.2498	10.5237	2.5348	0.0311	0.7719	9.8600e-003	0.7817	0.2224	9.4200e-003	0.2318		3,342.8464	3,342.8464	0.1797		3,347.3396
Worker	1.0922	0.6095	8.0831	0.0372	6.0207	0.0200	6.0406	1.5968	0.0184	1.6151		3,716.3659	3,716.3659	0.0485		3,717.5775
Total	1.3420	11.1332	10.6179	0.0683	6.7925	0.0298	6.8223	1.8192	0.0278	1.8470		7,059.2122	7,059.2122	0.2282		7,064.9170

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 5 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2034

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	0.2466	10.4304	2.5107	0.0311	0.7719	9.5000e-003	0.7814	0.2224	9.0800e-003	0.2315		3,340.5890	3,340.5890	0.1797		3,345.0810
Worker	1.0235	0.5660	7.6415	0.0366	6.0207	0.0187	6.0393	1.5968	0.0172	1.6140		3,655.9615	3,655.9615	0.0444		3,657.0702
Total	1.2701	10.9964	10.1522	0.0677	6.7925	0.0282	6.8207	1.8192	0.0263	1.8455		6,996.5504	6,996.5504	0.2240		7,002.1511

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	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.4479	2.4257	17.5650	0.0310		0.0543	0.0543		0.0543	0.0543	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Phase 5 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2034

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	0.2466	10.4304	2.5107	0.0311	0.7719	9.5000e-003	0.7814	0.2224	9.0800e-003	0.2315		3,340.5890	3,340.5890	0.1797		3,345.0810
Worker	1.0235	0.5660	7.6415	0.0366	6.0207	0.0187	6.0393	1.5968	0.0172	1.6140		3,655.9615	3,655.9615	0.0444		3,657.0702
Total	1.2701	10.9964	10.1522	0.0677	6.7925	0.0282	6.8207	1.8192	0.0263	1.8455		6,996.5504	6,996.5504	0.2240		7,002.1511

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	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448

Phase 5 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2035

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	0.2438	10.3500	2.4916	0.0310	0.7719	9.2100e-003	0.7811	0.2224	8.8000e-003	0.2312		3,339.1828	3,339.1828	0.1795		3,343.6698
Worker	0.9649	0.5321	7.2682	0.0361	6.0207	0.0175	6.0382	1.5968	0.0161	1.6129		3,604.6137	3,604.6137	0.0409		3,605.6363
Total	1.2086	10.8822	9.7597	0.0671	6.7926	0.0267	6.8193	1.8192	0.0249	1.8441		6,943.7965	6,943.7965	0.2204		6,949.3061

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	0.4322	2.3797	17.5512	0.0310		0.0459	0.0459		0.0459	0.0459	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.4322	2.3797	17.5512	0.0310		0.0459	0.0459		0.0459	0.0459	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Phase 5 Construction - San Luis Obispo County, Summer

3.5 Building Construction - 2035

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	0.2438	10.3500	2.4916	0.0310	0.7719	9.2100e-003	0.7811	0.2224	8.8000e-003	0.2312		3,339.1828	3,339.1828	0.1795		3,343.6698
Worker	0.9649	0.5321	7.2682	0.0361	6.0207	0.0175	6.0382	1.5968	0.0161	1.6129		3,604.6137	3,604.6137	0.0409		3,605.6363
Total	1.2086	10.8822	9.7597	0.0671	6.7926	0.0267	6.8193	1.8192	0.0249	1.8441		6,943.7965	6,943.7965	0.2204		6,949.3061

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	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1405	4.8761	15.8203	0.0281		0.1874	0.1874		0.1874	0.1874		2,656.5168	2,656.5168	0.1022		2,659.0727

Phase 5 Construction - San Luis Obispo County, Summer

3.6 Paving - 2035

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	0.0238	0.0131	0.1790	8.9000e-004	0.1483	4.3000e-004	0.1487	0.0393	4.0000e-004	0.0397		88.7836	88.7836	1.0100e-003		88.8088
Total	0.0238	0.0131	0.1790	8.9000e-004	0.1483	4.3000e-004	0.1487	0.0393	4.0000e-004	0.0397		88.7836	88.7836	1.0100e-003		88.8088

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	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0281		0.0374	0.0374		0.0374	0.0374	0.0000	2,656.5168	2,656.5168	0.1022		2,659.0726

Phase 5 Construction - San Luis Obispo County, Summer

3.6 Paving - 2035

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	0.0238	0.0131	0.1790	8.9000e-004	0.1483	4.3000e-004	0.1487	0.0393	4.0000e-004	0.0397		88.7836	88.7836	1.0100e-003		88.8088
Total	0.0238	0.0131	0.1790	8.9000e-004	0.1483	4.3000e-004	0.1487	0.0393	4.0000e-004	0.0397		88.7836	88.7836	1.0100e-003		88.8088

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	234.8620					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	234.9799	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

Phase 5 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2035

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	0.1933	0.1066	1.4560	7.2300e-003	1.2061	3.5100e-003	1.2096	0.3199	3.2300e-003	0.3231		722.1065	722.1065	8.1900e-003		722.3114
Total	0.1933	0.1066	1.4560	7.2300e-003	1.2061	3.5100e-003	1.2096	0.3199	3.2300e-003	0.3231		722.1065	722.1065	8.1900e-003		722.3114

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	234.8620					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.7081
Total	234.8917	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0104		281.7081

Phase 5 Construction - San Luis Obispo County, Summer

3.7 Architectural Coating - 2035

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	0.1933	0.1066	1.4560	7.2300e-003	1.2061	3.5100e-003	1.2096	0.3199	3.2300e-003	0.3231		722.1065	722.1065	8.1900e-003		722.3114
Total	0.1933	0.1066	1.4560	7.2300e-003	1.2061	3.5100e-003	1.2096	0.3199	3.2300e-003	0.3231		722.1065	722.1065	8.1900e-003		722.3114

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Phase 5 Construction - 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	0.0000	0.0000	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		
General Office Building	0.00	0.00	0.00		
Health Club	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
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

Phase 5 Construction - San Luis Obispo County, Summer

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
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

5.0 Energy Detail

Historical Energy Use: N

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

Phase 5 Construction - San Luis Obispo County, Summer

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	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
Arena	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
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
General Office Building	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
Health Club	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

Phase 5 Construction - 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					
Apartments Mid Rise	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
Arena	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
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
General Office Building	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
Health Club	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

Phase 5 Construction - 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	19.9333	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404
Unmitigated	19.9333	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404

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
Consumer Products	18.7994					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	1.1339	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106		68.4093	68.4093	0.0652		70.0404
Total	19.9333	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404

Phase 5 Construction - San Luis Obispo County, Summer

6.2 Area by SubCategory

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
Consumer Products	18.7994					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	1.1339	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106		68.4093	68.4093	0.0652		70.0404
Total	19.9333	0.4366	37.8521	2.0100e-003		0.2106	0.2106		0.2106	0.2106	0.0000	68.4093	68.4093	0.0652	0.0000	70.0404

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Phase 5 Construction - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Phase 5 Construction - San Luis Obispo County, Annual

Phase 5 Construction

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	215.00	1000sqft	4.94	215,000.00	0
Arena	1.90	Acre	1.90	82,764.00	0
City Park	6.78	Acre	6.78	295,336.80	0
Health Club	120.00	1000sqft	2.75	120,000.00	0
Apartments Mid Rise	460.00	Dwelling Unit	12.11	460,000.00	1316

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

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Project Characteristics -

Land Use -

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Schedule adjusted proportionally to fit into three year period

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

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	208882	0
tblAreaCoating	Area_Nonresidential_Interior	626646	0
tblAreaCoating	Area_Residential_Exterior	310500	0
tblAreaCoating	Area_Residential_Interior	931500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	30.00	35.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	45.00	53.00
tblConstructionPhase	NumDays	440.00	587.00
tblConstructionPhase	NumDays	35.00	41.00

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tblConstructionPhase	NumDays	35.00	41.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	3.88	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	7.84	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	1.48	0.00
tblEnergyUse	T24E	6.11	0.00
tblEnergyUse	T24E	1.48	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	19.71	0.00
tblEnergyUse	T24NG	16.31	0.00
tblEnergyUse	T24NG	19.71	0.00
tblGrading	AcresOfGrading	132.50	112.50
tblSolidWaste	SolidWasteGenerationRate	211.60	0.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	0.58	0.00
tblSolidWaste	SolidWasteGenerationRate	199.95	0.00
tblSolidWaste	SolidWasteGenerationRate	684.00	0.00

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tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	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	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	29,970,851.79	0.00
tblWater	IndoorWaterUseRate	2,557,697.57	0.00
tblWater	IndoorWaterUseRate	38,212,755.82	0.00
tblWater	IndoorWaterUseRate	7,097,177.28	0.00
tblWater	OutdoorWaterUseRate	18,894,667.43	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	8,078,243.55	0.00
tblWater	OutdoorWaterUseRate	23,420,721.31	0.00
tblWater	OutdoorWaterUseRate	4,349,882.85	0.00

2.0 Emissions Summary

Phase 5 Construction - San Luis Obispo County, Annual

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	0.3550	2.1526	3.1300	0.0107	0.9795	0.0375	1.0169	0.3512	0.0373	0.3885	0.0000	968.7211	968.7211	0.0368	0.0000	969.6401
2034	0.3410	2.4716	3.3913	0.0126	0.8604	0.0229	0.8833	0.2309	0.0227	0.2536	0.0000	1,144.5546	1,144.5546	0.0405	0.0000	1,145.5671
2035	5.0648	1.7308	2.6770	9.3600e-003	0.6161	0.0146	0.6306	0.1653	0.0144	0.1797	0.0000	848.5863	848.5863	0.0290	0.0000	849.3120
Maximum	5.0648	2.4716	3.3913	0.0126	0.9795	0.0375	1.0169	0.3512	0.0373	0.3885	0.0000	1,144.5546	1,144.5546	0.0405	0.0000	1,145.5671

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	0.1731	1.1926	3.6282	0.0107	0.9795	0.0109	0.9903	0.3512	0.0107	0.3619	0.0000	968.7205	968.7205	0.0368	0.0000	969.6396
2034	0.2291	1.7554	3.5743	0.0126	0.8604	0.0107	0.8711	0.2309	0.0105	0.2414	0.0000	1,144.5542	1,144.5542	0.0405	0.0000	1,145.5667
2035	4.9755	1.2173	2.8356	9.3600e-003	0.6161	7.4000e-003	0.6235	0.1653	7.2300e-003	0.1725	0.0000	848.5860	848.5860	0.0290	0.0000	849.3117
Maximum	4.9755	1.7554	3.6282	0.0126	0.9795	0.0109	0.9903	0.3512	0.0107	0.3619	0.0000	1,144.5542	1,144.5542	0.0405	0.0000	1,145.5667

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	ROG	NOx	CO	SO2	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	6.65	34.45	-9.13	0.00	0.00	61.33	1.82	0.00	61.81	5.59	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)
17	1-1-2033	3-31-2033	0.4776	0.1155
18	4-1-2033	6-30-2033	0.5973	0.2301
19	7-1-2033	9-30-2033	0.7136	0.5043
20	10-1-2033	12-31-2033	0.7198	0.5105
21	1-1-2034	3-31-2034	0.6969	0.4922
22	4-1-2034	6-30-2034	0.6991	0.4921
23	7-1-2034	9-30-2034	0.7068	0.4975
24	10-1-2034	12-31-2034	0.7124	0.5031
25	1-1-2035	3-31-2035	0.6630	0.4841
26	4-1-2035	6-30-2035	0.6652	0.4843
27	7-1-2035	9-30-2035	0.5438	0.3703
		Highest	0.7198	0.5105

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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	3.6180	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840
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	0.0000	0.0000	0.0000	0.0000	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	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	3.6180	0.0720	6.2456	3.3000e-004	0.0000	0.0348	0.0348	0.0000	0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840

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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	3.6180	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840
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	0.0000	0.0000	0.0000	0.0000	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	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	3.6180	0.0720	6.2456	3.3000e-004	0.0000	0.0348	0.0348	0.0000	0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2033	2/18/2033	5	35	
2	Site Preparation	Site Preparation	2/19/2033	3/23/2033	5	23	
3	Grading	Grading	3/24/2033	6/6/2033	5	53	
4	Building Construction	Building Construction	6/7/2033	9/5/2035	5	587	
5	Paving	Paving	9/6/2035	11/1/2035	5	41	
6	Architectural Coating	Architectural Coating	11/2/2035	12/28/2035	5	41	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 931,500; Residential Outdoor: 310,500; Non-Residential Indoor: 626,646; Non-Residential Outdoor: 208,882; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

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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	6	15.00	0.00	414.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	609.00	166.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	122.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0363	0.1711	0.3310	8.1000e-004		6.1400e-003	6.1400e-003		6.1400e-003	6.1400e-003	0.0000	69.5132	69.5132	2.9300e-003	0.0000	69.5865
Total	0.0363	0.1711	0.3310	8.1000e-004	0.0462	6.1400e-003	0.0524	7.0000e-003	6.1400e-003	0.0131	0.0000	69.5132	69.5132	2.9300e-003	0.0000	69.5865

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3.2 Demolition - 2033

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	9.3000e-004	0.0291	0.0114	1.5000e-004	3.5400e-003	6.0000e-005	3.6000e-003	9.7000e-004	6.0000e-005	1.0300e-003	0.0000	14.4682	14.4682	1.0000e-003	0.0000	14.4932
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.3100e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.3961	1.3961	2.0000e-005	0.0000	1.3966
Total	1.4200e-003	0.0294	0.0147	1.7000e-004	6.0700e-003	7.0000e-005	6.1400e-003	1.6400e-003	7.0000e-005	1.7100e-003	0.0000	15.8643	15.8643	1.0200e-003	0.0000	15.8898

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					0.0462	0.0000	0.0462	7.0000e-003	0.0000	7.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.0900e-003	0.0351	0.4074	8.1000e-004		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	69.5131	69.5131	2.9300e-003	0.0000	69.5864
Total	8.0900e-003	0.0351	0.4074	8.1000e-004	0.0462	1.0800e-003	0.0473	7.0000e-003	1.0800e-003	8.0800e-003	0.0000	69.5131	69.5131	2.9300e-003	0.0000	69.5864

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3.2 Demolition - 2033

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	9.3000e-004	0.0291	0.0114	1.5000e-004	3.5400e-003	6.0000e-005	3.6000e-003	9.7000e-004	6.0000e-005	1.0300e-003	0.0000	14.4682	14.4682	1.0000e-003	0.0000	14.4932
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	3.3100e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.3961	1.3961	2.0000e-005	0.0000	1.3966
Total	1.4200e-003	0.0294	0.0147	1.7000e-004	6.0700e-003	7.0000e-005	6.1400e-003	1.6400e-003	7.0000e-005	1.7100e-003	0.0000	15.8643	15.8643	1.0200e-003	0.0000	15.8898

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					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0281	0.1572	0.1874	5.4000e-004		5.0200e-003	5.0200e-003		5.0200e-003	5.0200e-003	0.0000	46.0053	46.0053	2.2700e-003	0.0000	46.0621
Total	0.0281	0.1572	0.1874	5.4000e-004	0.2078	5.0200e-003	0.2128	0.1142	5.0200e-003	0.1192	0.0000	46.0053	46.0053	2.2700e-003	0.0000	46.0621

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3.3 Site Preparation - 2033

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	2.3000e-004	2.6100e-003	1.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.1009	1.1009	1.0000e-005	0.0000	1.1013
Total	3.8000e-004	2.3000e-004	2.6100e-003	1.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.1009	1.1009	1.0000e-005	0.0000	1.1013

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					0.2078	0.0000	0.2078	0.1142	0.0000	0.1142	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3500e-003	0.0232	0.2400	5.4000e-004		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	46.0053	46.0053	2.2700e-003	0.0000	46.0620
Total	5.3500e-003	0.0232	0.2400	5.4000e-004	0.2078	7.1000e-004	0.2085	0.1142	7.1000e-004	0.1149	0.0000	46.0053	46.0053	2.2700e-003	0.0000	46.0620

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3.3 Site Preparation - 2033

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	2.3000e-004	2.6100e-003	1.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.1009	1.1009	1.0000e-005	0.0000	1.1013
Total	3.8000e-004	2.3000e-004	2.6100e-003	1.0000e-005	1.9900e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.1009	1.1009	1.0000e-005	0.0000	1.1013

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					0.2192	0.0000	0.2192	0.0942	0.0000	0.0942	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0869	0.3669	0.6101	1.8500e-003		0.0129	0.0129		0.0129	0.0129	0.0000	173.4060	173.4060	7.0100e-003	0.0000	173.5812
Total	0.0869	0.3669	0.6101	1.8500e-003	0.2192	0.0129	0.2322	0.0942	0.0129	0.1071	0.0000	173.4060	173.4060	7.0100e-003	0.0000	173.5812

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3.4 Grading - 2033

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	9.8000e-004	5.9000e-004	6.6900e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3700e-003	0.0000	2.8188	2.8188	4.0000e-005	0.0000	2.8197
Total	9.8000e-004	5.9000e-004	6.6900e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3700e-003	0.0000	2.8188	2.8188	4.0000e-005	0.0000	2.8197

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					0.2192	0.0000	0.2192	0.0942	0.0000	0.0942	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.0875	0.8745	1.8500e-003		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	173.4058	173.4058	7.0100e-003	0.0000	173.5810
Total	0.0202	0.0875	0.8745	1.8500e-003	0.2192	2.6900e-003	0.2219	0.0942	2.6900e-003	0.0969	0.0000	173.4058	173.4058	7.0100e-003	0.0000	173.5810

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3.4 Grading - 2033

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	9.8000e-004	5.9000e-004	6.6900e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3700e-003	0.0000	2.8188	2.8188	4.0000e-005	0.0000	2.8197
Total	9.8000e-004	5.9000e-004	6.6900e-003	3.0000e-005	5.1000e-003	2.0000e-005	5.1200e-003	1.3600e-003	2.0000e-005	1.3700e-003	0.0000	2.8188	2.8188	4.0000e-005	0.0000	2.8197

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	0.0975	0.5911	1.2037	2.3100e-003		0.0110	0.0110		0.0110	0.0110	0.0000	195.8315	195.8315	7.8600e-003	0.0000	196.0279
Total	0.0975	0.5911	1.2037	2.3100e-003		0.0110	0.0110		0.0110	0.0110	0.0000	195.8315	195.8315	7.8600e-003	0.0000	196.0279

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3.5 Building Construction - 2033

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	0.0191	0.7855	0.2012	2.2800e-003	0.0563	7.4000e-004	0.0570	0.0163	7.1000e-004	0.0170	0.0000	222.8761	222.8761	0.0125	0.0000	223.1885
Worker	0.0842	0.0504	0.5725	2.6600e-003	0.4368	1.4900e-003	0.4383	0.1161	1.3700e-003	0.1174	0.0000	241.3049	241.3049	3.1300e-003	0.0000	241.3832
Total	0.1034	0.8360	0.7737	4.9400e-003	0.4931	2.2300e-003	0.4953	0.1324	2.0800e-003	0.1344	0.0000	464.1810	464.1810	0.0156	0.0000	464.5717

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	0.0334	0.1807	1.3086	2.3100e-003		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	195.8312	195.8312	7.8600e-003	0.0000	196.0276
Total	0.0334	0.1807	1.3086	2.3100e-003		4.0500e-003	4.0500e-003		4.0500e-003	4.0500e-003	0.0000	195.8312	195.8312	7.8600e-003	0.0000	196.0276

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3.5 Building Construction - 2033

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	0.0191	0.7855	0.2012	2.2800e-003	0.0563	7.4000e-004	0.0570	0.0163	7.1000e-004	0.0170	0.0000	222.8761	222.8761	0.0125	0.0000	223.1885
Worker	0.0842	0.0504	0.5725	2.6600e-003	0.4368	1.4900e-003	0.4383	0.1161	1.3700e-003	0.1174	0.0000	241.3049	241.3049	3.1300e-003	0.0000	241.3832
Total	0.1034	0.8360	0.7737	4.9400e-003	0.4931	2.2300e-003	0.4953	0.1324	2.0800e-003	0.1344	0.0000	464.1810	464.1810	0.0156	0.0000	464.5717

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

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3.5 Building Construction - 2034

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	0.0330	1.3584	0.3478	3.9800e-003	0.0982	1.2500e-003	0.0994	0.0284	1.1900e-003	0.0296	0.0000	388.6262	388.6262	0.0218	0.0000	389.1711
Worker	0.1379	0.0817	0.9431	4.5700e-003	0.7622	2.4300e-003	0.7646	0.2026	2.2300e-003	0.2048	0.0000	414.2091	414.2091	5.0000e-003	0.0000	414.3340
Total	0.1708	1.4401	1.2909	8.5500e-003	0.8604	3.6800e-003	0.8641	0.2309	3.4200e-003	0.2344	0.0000	802.8353	802.8353	0.0268	0.0000	803.5051

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	0.0582	0.3153	2.2835	4.0200e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0582	0.3153	2.2835	4.0200e-003		7.0600e-003	7.0600e-003		7.0600e-003	7.0600e-003	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

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3.5 Building Construction - 2034

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	0.0330	1.3584	0.3478	3.9800e-003	0.0982	1.2500e-003	0.0994	0.0284	1.1900e-003	0.0296	0.0000	388.6262	388.6262	0.0218	0.0000	389.1711
Worker	0.1379	0.0817	0.9431	4.5700e-003	0.7622	2.4300e-003	0.7646	0.2026	2.2300e-003	0.2048	0.0000	414.2091	414.2091	5.0000e-003	0.0000	414.3340
Total	0.1708	1.4401	1.2909	8.5500e-003	0.8604	3.6800e-003	0.8641	0.2309	3.4200e-003	0.2344	0.0000	802.8353	802.8353	0.0268	0.0000	803.5051

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	0.1083	0.6374	1.4345	2.7600e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	233.9463	233.9463	8.7100e-003	0.0000	234.1641
Total	0.1083	0.6374	1.4345	2.7600e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	233.9463	233.9463	8.7100e-003	0.0000	234.1641

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3.5 Building Construction - 2035

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	0.0223	0.9227	0.2363	2.7200e-003	0.0672	8.3000e-004	0.0681	0.0194	7.9000e-004	0.0202	0.0000	265.9327	265.9327	0.0149	0.0000	266.3053
Worker	0.0891	0.0526	0.6133	3.0900e-003	0.5218	1.5600e-003	0.5234	0.1387	1.4300e-003	0.1401	0.0000	279.5822	279.5822	3.1500e-003	0.0000	279.6610
Total	0.1114	0.9753	0.8496	5.8100e-003	0.5890	2.3900e-003	0.5914	0.1581	2.2200e-003	0.1603	0.0000	545.5149	545.5149	0.0181	0.0000	545.9663

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	0.0385	0.2118	1.5621	2.7600e-003		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	233.9460	233.9460	8.7100e-003	0.0000	234.1639
Total	0.0385	0.2118	1.5621	2.7600e-003		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	233.9460	233.9460	8.7100e-003	0.0000	234.1639

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3.5 Building Construction - 2035

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	0.0223	0.9227	0.2363	2.7200e-003	0.0672	8.3000e-004	0.0681	0.0194	7.9000e-004	0.0202	0.0000	265.9327	265.9327	0.0149	0.0000	266.3053
Worker	0.0891	0.0526	0.6133	3.0900e-003	0.5218	1.5600e-003	0.5234	0.1387	1.4300e-003	0.1401	0.0000	279.5822	279.5822	3.1500e-003	0.0000	279.6610
Total	0.1114	0.9753	0.8496	5.8100e-003	0.5890	2.3900e-003	0.5914	0.1581	2.2200e-003	0.1603	0.0000	545.5149	545.5149	0.0181	0.0000	545.9663

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	0.0234	0.1000	0.3243	5.7000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	49.4040	49.4040	1.9000e-003	0.0000	49.4515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0234	0.1000	0.3243	5.7000e-004		3.8400e-003	3.8400e-003		3.8400e-003	3.8400e-003	0.0000	49.4040	49.4040	1.9000e-003	0.0000	49.4515

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3.6 Paving - 2035

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	5.1000e-004	3.0000e-004	3.4800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	7.9000e-004	0.0000	1.5862	1.5862	2.0000e-005	0.0000	1.5866
Total	5.1000e-004	3.0000e-004	3.4800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	7.9000e-004	0.0000	1.5862	1.5862	2.0000e-005	0.0000	1.5866

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	5.7500e-003	0.0249	0.3546	5.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	49.4040	49.4040	1.9000e-003	0.0000	49.4515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.7500e-003	0.0249	0.3546	5.7000e-004		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	49.4040	49.4040	1.9000e-003	0.0000	49.4515

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3.6 Paving - 2035

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	5.1000e-004	3.0000e-004	3.4800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	7.9000e-004	0.0000	1.5862	1.5862	2.0000e-005	0.0000	1.5866
Total	5.1000e-004	3.0000e-004	3.4800e-003	2.0000e-005	2.9600e-003	1.0000e-005	2.9700e-003	7.9000e-004	1.0000e-005	7.9000e-004	0.0000	1.5862	1.5862	2.0000e-005	0.0000	1.5866

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	4.8147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0155	0.0368	6.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	5.2342	5.2342	1.9000e-004	0.0000	5.2390
Total	4.8171	0.0155	0.0368	6.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	5.2342	5.2342	1.9000e-004	0.0000	5.2390

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3.7 Architectural Coating - 2035

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	4.1100e-003	2.4300e-003	0.0283	1.4000e-004	0.0241	7.0000e-005	0.0242	6.4000e-003	7.0000e-005	6.4600e-003	0.0000	12.9008	12.9008	1.5000e-004	0.0000	12.9044
Total	4.1100e-003	2.4300e-003	0.0283	1.4000e-004	0.0241	7.0000e-005	0.0242	6.4000e-003	7.0000e-005	6.4600e-003	0.0000	12.9008	12.9008	1.5000e-004	0.0000	12.9044

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	4.8147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	1.9000e-004	0.0000	5.2390
Total	4.8153	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	1.9000e-004	0.0000	5.2390

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3.7 Architectural Coating - 2035

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	4.1100e-003	2.4300e-003	0.0283	1.4000e-004	0.0241	7.0000e-005	0.0242	6.4000e-003	7.0000e-005	6.4600e-003	0.0000	12.9008	12.9008	1.5000e-004	0.0000	12.9044
Total	4.1100e-003	2.4300e-003	0.0283	1.4000e-004	0.0241	7.0000e-005	0.0242	6.4000e-003	7.0000e-005	6.4600e-003	0.0000	12.9008	12.9008	1.5000e-004	0.0000	12.9044

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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		
General Office Building	0.00	0.00	0.00		
Health Club	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
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

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	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
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	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
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.6180	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840
Unmitigated	3.6180	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840

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
Consumer Products	3.4309					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	0.1871	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840
Total	3.6180	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840

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6.2 Area by SubCategory

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
Consumer Products	3.4309					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	0.1871	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840
Total	3.6180	0.0720	6.2456	3.3000e-004		0.0348	0.0348		0.0348	0.0348	0.0000	10.2399	10.2399	9.7700e-003	0.0000	10.4840

7.0 Water Detail

7.1 Mitigation Measures Water

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	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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Arena	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	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
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Arena	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	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
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

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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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	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
Total		0.0000	0.0000	0.0000	0.0000

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Arena	0	0.0000	0.0000	0.0000	0.0000
City Park	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
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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Phase 5 Construction - San Luis Obispo County, Annual

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Retirement Community Construction - San Luis Obispo County, Summer

Retirement Community Construction
San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
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

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

Retirement Community Construction - San Luis Obispo County, Summer

Project Characteristics -

Land Use -

Construction Phase - Schedule adjusted proportionally to fit into two year period

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

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

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_Residential_Exterior	135000	0
tblAreaCoating	Area_Residential_Interior	405000	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Retirement Community Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	45.00	37.00
tblConstructionPhase	NumDays	440.00	410.00
tblConstructionPhase	NumDays	35.00	29.00
tblConstructionPhase	NumDays	35.00	29.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	365.68	0.00
tblGrading	AcresOfGrading	92.50	112.50
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00

Retirement Community Construction - San Luis Obispo County, Summer

tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	5,212,322.05	0.00
tblWater	IndoorWaterUseRate	7,818,483.07	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	4,929,043.68	0.00

2.0 Emissions Summary

Retirement Community Construction - 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	4.7749	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915	0.0000	29.7105	29.7105	0.0285	0.0000	30.4217
Energy	0.0566	0.4835	0.2058	3.0900e-003		0.0391	0.0391		0.0391	0.0391		617.2500	617.2500	0.0118	0.0113	620.9180
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	4.8315	0.6734	16.6904	3.9600e-003	0.0000	0.1306	0.1306	0.0000	0.1306	0.1306	0.0000	646.9604	646.9604	0.0403	0.0113	651.3397

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	4.7749	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915	0.0000	29.7105	29.7105	0.0285	0.0000	30.4217
Energy	0.0566	0.4835	0.2058	3.0900e-003		0.0391	0.0391		0.0391	0.0391		617.2500	617.2500	0.0118	0.0113	620.9180
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	4.8315	0.6734	16.6904	3.9600e-003	0.0000	0.1306	0.1306	0.0000	0.1306	0.1306	0.0000	646.9604	646.9604	0.0403	0.0113	651.3397

Retirement Community Construction - 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	Site Preparation	Site Preparation	1/1/2021	1/22/2021	5	16	
2	Grading	Grading	1/23/2021	3/16/2021	5	37	
3	Building Construction	Building Construction	3/17/2021	10/11/2022	5	410	
4	Paving	Paving	10/12/2022	11/21/2022	5	29	
5	Architectural Coating	Architectural Coating	11/22/2022	12/30/2022	5	29	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 405,000; Residential Outdoor: 135,000; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Retirement Community Construction - San Luis Obispo County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	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	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	144.00	21.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Retirement Community Construction - San Luis Obispo County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Retirement Community Construction - San Luis Obispo County, Summer

3.2 Site Preparation - 2021

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	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530
Total	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	0.4656	2.0175	20.8690	0.0380	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Retirement Community Construction - San Luis Obispo County, Summer

3.2 Site Preparation - 2021

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	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530
Total	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530

3.3 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					9.2466	0.0000	9.2466	3.6584	0.0000	3.6584			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	9.2466	1.9853	11.2319	3.6584	1.8265	5.4849		6,007.0434	6,007.0434	1.9428		6,055.6134

Retirement Community Construction - San Luis Obispo County, Summer

3.3 Grading - 2021

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	1.2200e-003	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					
Fugitive Dust					9.2466	0.0000	9.2466	3.6584	0.0000	3.6584			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	0.7616	3.3000	32.9991	0.0620	9.2466	0.1015	9.3481	3.6584	0.1015	3.7599	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134

Retirement Community Construction - San Luis Obispo County, Summer

3.3 Grading - 2021

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

3.4 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Retirement Community Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2021

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	0.0622	1.9850	0.5477	4.2100e-003	0.0975	5.5700e-003	0.1031	0.0281	5.3300e-003	0.0334		448.4685	448.4685	0.0253		449.1002
Worker	0.5736	0.4595	4.6418	0.0129	1.4236	8.8200e-003	1.4324	0.3776	8.1300e-003	0.3857		1,285.0592	1,285.0592	0.0386		1,286.0240
Total	0.6359	2.4445	5.1895	0.0171	1.5211	0.0144	1.5355	0.4057	0.0135	0.4191		1,733.5277	1,733.5277	0.0639		1,735.1242

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	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Retirement Community Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2021

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	0.0622	1.9850	0.5477	4.2100e-003	0.0975	5.5700e-003	0.1031	0.0281	5.3300e-003	0.0334		448.4685	448.4685	0.0253		449.1002
Worker	0.5736	0.4595	4.6418	0.0129	1.4236	8.8200e-003	1.4324	0.3776	8.1300e-003	0.3857		1,285.0592	1,285.0592	0.0386		1,286.0240
Total	0.6359	2.4445	5.1895	0.0171	1.5211	0.0144	1.5355	0.4057	0.0135	0.4191		1,733.5277	1,733.5277	0.0639		1,735.1242

3.4 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Retirement Community Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2022

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	0.0576	1.8876	0.5051	4.1800e-003	0.0975	4.8900e-003	0.1024	0.0281	4.6800e-003	0.0328		445.5033	445.5033	0.0250		446.1272
Worker	0.5381	0.4132	4.2595	0.0124	1.4236	8.5700e-003	1.4322	0.3776	7.9000e-003	0.3855		1,239.1106	1,239.1106	0.0346		1,239.9762
Total	0.5957	2.3009	4.7646	0.0166	1.5211	0.0135	1.5346	0.4057	0.0126	0.4182		1,684.6139	1,684.6139	0.0596		1,686.1033

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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Retirement Community Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2022

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	0.0576	1.8876	0.5051	4.1800e-003	0.0975	4.8900e-003	0.1024	0.0281	4.6800e-003	0.0328		445.5033	445.5033	0.0250		446.1272
Worker	0.5381	0.4132	4.2595	0.0124	1.4236	8.5700e-003	1.4322	0.3776	7.9000e-003	0.3855		1,239.1106	1,239.1106	0.0346		1,239.9762
Total	0.5957	2.3009	4.7646	0.0166	1.5211	0.0135	1.5346	0.4057	0.0126	0.4182		1,684.6139	1,684.6139	0.0596		1,686.1033

3.5 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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Retirement Community Construction - San Luis Obispo County, Summer

3.5 Paving - 2022

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	0.0430	0.4437	1.3000e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402		129.0740	129.0740	3.6100e-003		129.1642
Total	0.0561	0.0430	0.4437	1.3000e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402		129.0740	129.0740	3.6100e-003		129.1642

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Retirement Community Construction - San Luis Obispo County, Summer

3.5 Paving - 2022

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	0.0430	0.4437	1.3000e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402		129.0740	129.0740	3.6100e-003		129.1642
Total	0.0561	0.0430	0.4437	1.3000e-003	0.1483	8.9000e-004	0.1492	0.0393	8.2000e-004	0.0402		129.0740	129.0740	3.6100e-003		129.1642

3.6 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	86.3069					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	86.5114	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Retirement Community Construction - San Luis Obispo County, Summer

3.6 Architectural Coating - 2022

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	0.1084	0.0832	0.8578	2.5000e-003	0.2867	1.7300e-003	0.2884	0.0760	1.5900e-003	0.0776		249.5431	249.5431	6.9700e-003		249.7174
Total	0.1084	0.0832	0.8578	2.5000e-003	0.2867	1.7300e-003	0.2884	0.0760	1.5900e-003	0.0776		249.5431	249.5431	6.9700e-003		249.7174

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	86.3069					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062
Total	86.3366	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0183		281.9062

Retirement Community Construction - San Luis Obispo County, Summer

3.6 Architectural Coating - 2022

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	0.1084	0.0832	0.8578	2.5000e-003	0.2867	1.7300e-003	0.2884	0.0760	1.5900e-003	0.0776		249.5431	249.5431	6.9700e-003		249.7174
Total	0.1084	0.0832	0.8578	2.5000e-003	0.2867	1.7300e-003	0.2884	0.0760	1.5900e-003	0.0776		249.5431	249.5431	6.9700e-003		249.7174

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Retirement Community Construction - 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	0.0000	0.0000	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
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Retirement Community	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
Congregate Care (Assisted Living)	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Retirement Community	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098

Retirement Community Construction - San Luis Obispo County, Summer

5.0 Energy Detail

Historical Energy Use: N

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	0.0566	0.4835	0.2058	3.0900e-003		0.0391	0.0391		0.0391	0.0391		617.2500	617.2500	0.0118	0.0113	620.9180
NaturalGas Unmitigated	0.0566	0.4835	0.2058	3.0900e-003		0.0391	0.0391		0.0391	0.0391		617.2500	617.2500	0.0118	0.0113	620.9180

Retirement Community Construction - San Luis Obispo County, Summer

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					
Congregate Care (Assisted Living)	1893.58	0.0204	0.1745	0.0743	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.7739	222.7739	4.2700e-003	4.0800e-003	224.0977
Retirement Community	3353.05	0.0362	0.3090	0.1315	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.4761	394.4761	7.5600e-003	7.2300e-003	396.8202
Total		0.0566	0.4835	0.2058	3.0800e-003		0.0391	0.0391		0.0391	0.0391		617.2500	617.2500	0.0118	0.0113	620.9180

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					
Congregate Care (Assisted Living)	1.89358	0.0204	0.1745	0.0743	1.1100e-003		0.0141	0.0141		0.0141	0.0141		222.7739	222.7739	4.2700e-003	4.0800e-003	224.0977
Retirement Community	3.35305	0.0362	0.3090	0.1315	1.9700e-003		0.0250	0.0250		0.0250	0.0250		394.4761	394.4761	7.5600e-003	7.2300e-003	396.8202
Total		0.0566	0.4835	0.2058	3.0800e-003		0.0391	0.0391		0.0391	0.0391		617.2500	617.2500	0.0118	0.0113	620.9180

6.0 Area Detail

6.1 Mitigation Measures Area

Retirement Community Construction - 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	4.7749	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915	0.0000	29.7105	29.7105	0.0285	0.0000	30.4217
Unmitigated	4.7749	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915	0.0000	29.7105	29.7105	0.0285	0.0000	30.4217

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
Consumer Products	4.2800					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	0.4949	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915		29.7105	29.7105	0.0285		30.4217
Total	4.7749	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915	0.0000	29.7105	29.7105	0.0285	0.0000	30.4217

Retirement Community Construction - San Luis Obispo County, Summer

6.2 Area by SubCategory

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
Consumer Products	4.2800					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	0.4949	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915		29.7105	29.7105	0.0285		30.4217
Total	4.7749	0.1899	16.4846	8.7000e-004		0.0915	0.0915		0.0915	0.0915	0.0000	29.7105	29.7105	0.0285	0.0000	30.4217

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

Retirement Community Construction - San Luis Obispo County, Summer

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Retirement Community Construction - San Luis Obispo County, Annual

Retirement Community Construction
San Luis Obispo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
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

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/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Retirement Community Construction - San Luis Obispo County, Annual

Project Characteristics -

Land Use -

Construction Phase - Schedule adjusted proportionally to fit into two year period

Demolition -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

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

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_Residential_Exterior	135000	0
tblAreaCoating	Area_Residential_Interior	405000	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

Retirement Community Construction - San Luis Obispo County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	16.00
tblConstructionPhase	NumDays	45.00	37.00
tblConstructionPhase	NumDays	440.00	410.00
tblConstructionPhase	NumDays	35.00	29.00
tblConstructionPhase	NumDays	35.00	29.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	365.68	0.00
tblGrading	AcresOfGrading	92.50	112.50
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00

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tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.03	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.95	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	2.40	0.00
tblWater	IndoorWaterUseRate	5,212,322.05	0.00
tblWater	IndoorWaterUseRate	7,818,483.07	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	4,929,043.68	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
5	1-1-2021	3-31-2021	1.4314	0.1357
6	4-1-2021	6-30-2021	0.7284	0.2082
7	7-1-2021	9-30-2021	0.7364	0.2105
8	10-1-2021	12-31-2021	0.7409	0.2149
9	1-1-2022	3-31-2022	0.6538	0.2017
10	4-1-2022	6-30-2022	0.6571	0.1999
11	7-1-2022	9-30-2022	0.6643	0.2021
		Highest	1.4314	0.2149

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	0.8628	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537
Energy	0.0103	0.0882	0.0376	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	336.2328	336.2328	0.0125	4.0600e-003	337.7571
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	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	0.8731	0.1196	2.7575	7.0000e-004	0.0000	0.0222	0.0222	0.0000	0.0222	0.0222	0.0000	340.6800	340.6800	0.0168	4.0600e-003	342.3108

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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	0.8628	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537
Energy	0.0103	0.0882	0.0376	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	336.2328	336.2328	0.0125	4.0600e-003	337.7571
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	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	0.8731	0.1196	2.7575	7.0000e-004	0.0000	0.0222	0.0222	0.0000	0.0222	0.0222	0.0000	340.6800	340.6800	0.0168	4.0600e-003	342.3108

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	1/22/2021	5	16	
2	Grading	Grading	1/23/2021	3/16/2021	5	37	
3	Building Construction	Building Construction	3/17/2021	10/11/2022	5	410	
4	Paving	Paving	10/12/2022	11/21/2022	5	29	
5	Architectural Coating	Architectural Coating	11/22/2022	12/30/2022	5	29	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 0

Residential Indoor: 405,000; Residential Outdoor: 135,000; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	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	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	144.00	21.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	29.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 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					0.1445	0.0000	0.1445	0.0795	0.0000	0.0795	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0311	0.3240	0.1692	3.0000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	26.7486	26.7486	8.6500e-003	0.0000	26.9649
Total	0.0311	0.3240	0.1692	3.0000e-004	0.1445	0.0164	0.1609	0.0795	0.0151	0.0945	0.0000	26.7486	26.7486	8.6500e-003	0.0000	26.9649

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3.2 Site Preparation - 2021

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	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
Total	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211

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					0.1445	0.0000	0.1445	0.0795	0.0000	0.0795	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7200e-003	0.0161	0.1670	3.0000e-004		5.0000e-004	5.0000e-004		5.0000e-004	5.0000e-004	0.0000	26.7485	26.7485	8.6500e-003	0.0000	26.9648
Total	3.7200e-003	0.0161	0.1670	3.0000e-004	0.1445	5.0000e-004	0.1450	0.0795	5.0000e-004	0.0800	0.0000	26.7485	26.7485	8.6500e-003	0.0000	26.9648

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3.2 Site Preparation - 2021

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	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211
Total	5.9000e-004	5.1000e-004	4.4900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1203	1.1203	3.0000e-005	0.0000	1.1211

3.3 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					0.1711	0.0000	0.1711	0.0677	0.0000	0.0677	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0775	0.8584	0.5713	1.1500e-003		0.0367	0.0367		0.0338	0.0338	0.0000	100.8157	100.8157	0.0326	0.0000	101.6309
Total	0.0775	0.8584	0.5713	1.1500e-003	0.1711	0.0367	0.2078	0.0677	0.0338	0.1015	0.0000	100.8157	100.8157	0.0326	0.0000	101.6309

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3.3 Grading - 2021

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	1.5100e-003	1.3100e-003	0.0115	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8785	2.8785	9.0000e-005	0.0000	2.8806
Total	1.5100e-003	1.3100e-003	0.0115	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8785	2.8785	9.0000e-005	0.0000	2.8806

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					0.1711	0.0000	0.1711	0.0677	0.0000	0.0677	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0141	0.0611	0.6105	1.1500e-003		1.8800e-003	1.8800e-003		1.8800e-003	1.8800e-003	0.0000	100.8156	100.8156	0.0326	0.0000	101.6307
Total	0.0141	0.0611	0.6105	1.1500e-003	0.1711	1.8800e-003	0.1729	0.0677	1.8800e-003	0.0696	0.0000	100.8156	100.8156	0.0326	0.0000	101.6307

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3.3 Grading - 2021

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	1.5100e-003	1.3100e-003	0.0115	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8785	2.8785	9.0000e-005	0.0000	2.8806
Total	1.5100e-003	1.3100e-003	0.0115	3.0000e-005	3.5600e-003	2.0000e-005	3.5800e-003	9.5000e-004	2.0000e-005	9.7000e-004	0.0000	2.8785	2.8785	9.0000e-005	0.0000	2.8806

3.4 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	0.1977	1.8129	1.7238	2.8000e-003		0.0997	0.0997		0.0937	0.0937	0.0000	240.9028	240.9028	0.0581	0.0000	242.3558
Total	0.1977	1.8129	1.7238	2.8000e-003		0.0997	0.0997		0.0937	0.0937	0.0000	240.9028	240.9028	0.0581	0.0000	242.3558

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3.4 Building Construction - 2021

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	6.6600e-003	0.2079	0.0609	4.3000e-004	9.9200e-003	5.9000e-004	0.0105	2.8700e-003	5.7000e-004	3.4300e-003	0.0000	41.7658	41.7658	2.4600e-003	0.0000	41.8274
Worker	0.0610	0.0532	0.4669	1.2900e-003	0.1442	9.2000e-004	0.1451	0.0383	8.5000e-004	0.0392	0.0000	116.5071	116.5071	3.5300e-003	0.0000	116.5953
Total	0.0677	0.2611	0.5278	1.7200e-003	0.1541	1.5100e-003	0.1556	0.0412	1.4200e-003	0.0426	0.0000	158.2729	158.2729	5.9900e-003	0.0000	158.4227

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	0.0610	0.2849	1.8390	2.8000e-003		0.0117	0.0117		0.0117	0.0117	0.0000	240.9025	240.9025	0.0581	0.0000	242.3555
Total	0.0610	0.2849	1.8390	2.8000e-003		0.0117	0.0117		0.0117	0.0117	0.0000	240.9025	240.9025	0.0581	0.0000	242.3555

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3.4 Building Construction - 2021

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	6.6600e-003	0.2079	0.0609	4.3000e-004	9.9200e-003	5.9000e-004	0.0105	2.8700e-003	5.7000e-004	3.4300e-003	0.0000	41.7658	41.7658	2.4600e-003	0.0000	41.8274
Worker	0.0610	0.0532	0.4669	1.2900e-003	0.1442	9.2000e-004	0.1451	0.0383	8.5000e-004	0.0392	0.0000	116.5071	116.5071	3.5300e-003	0.0000	116.5953
Total	0.0677	0.2611	0.5278	1.7200e-003	0.1541	1.5100e-003	0.1556	0.0412	1.4200e-003	0.0426	0.0000	158.2729	158.2729	5.9900e-003	0.0000	158.4227

3.4 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	0.1723	1.5772	1.6527	2.7200e-003		0.0817	0.0817		0.0769	0.0769	0.0000	234.0425	234.0425	0.0561	0.0000	235.4442
Total	0.1723	1.5772	1.6527	2.7200e-003		0.0817	0.0817		0.0769	0.0769	0.0000	234.0425	234.0425	0.0561	0.0000	235.4442

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3.4 Building Construction - 2022

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	5.9800e-003	0.1918	0.0546	4.2000e-004	9.6400e-003	5.1000e-004	0.0101	2.7900e-003	4.8000e-004	3.2700e-003	0.0000	40.2847	40.2847	2.3600e-003	0.0000	40.3438
Worker	0.0557	0.0465	0.4154	1.2100e-003	0.1400	8.7000e-004	0.1409	0.0372	8.0000e-004	0.0380	0.0000	109.1020	109.1020	3.0700e-003	0.0000	109.1788
Total	0.0616	0.2383	0.4700	1.6300e-003	0.1497	1.3800e-003	0.1510	0.0400	1.2800e-003	0.0413	0.0000	149.3867	149.3867	5.4300e-003	0.0000	149.5225

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	0.0566	0.2721	1.7836	2.7200e-003		0.0103	0.0103		0.0103	0.0103	0.0000	234.0422	234.0422	0.0561	0.0000	235.4440
Total	0.0566	0.2721	1.7836	2.7200e-003		0.0103	0.0103		0.0103	0.0103	0.0000	234.0422	234.0422	0.0561	0.0000	235.4440

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3.4 Building Construction - 2022

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	5.9800e-003	0.1918	0.0546	4.2000e-004	9.6400e-003	5.1000e-004	0.0101	2.7900e-003	4.8000e-004	3.2700e-003	0.0000	40.2847	40.2847	2.3600e-003	0.0000	40.3438
Worker	0.0557	0.0465	0.4154	1.2100e-003	0.1400	8.7000e-004	0.1409	0.0372	8.0000e-004	0.0380	0.0000	109.1020	109.1020	3.0700e-003	0.0000	109.1788
Total	0.0616	0.2383	0.4700	1.6300e-003	0.1497	1.3800e-003	0.1510	0.0400	1.2800e-003	0.0413	0.0000	149.3867	149.3867	5.4300e-003	0.0000	149.5225

3.5 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	0.0160	0.1613	0.2114	3.3000e-004		8.2300e-003	8.2300e-003		7.5800e-003	7.5800e-003	0.0000	29.0400	29.0400	9.3900e-003	0.0000	29.2748
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0160	0.1613	0.2114	3.3000e-004		8.2300e-003	8.2300e-003		7.5800e-003	7.5800e-003	0.0000	29.0400	29.0400	9.3900e-003	0.0000	29.2748

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3.5 Paving - 2022

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	6.9000e-004	6.2100e-003	2.0000e-005	2.0900e-003	1.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6316	1.6316	5.0000e-005	0.0000	1.6327
Total	8.3000e-004	6.9000e-004	6.2100e-003	2.0000e-005	2.0900e-003	1.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6316	1.6316	5.0000e-005	0.0000	1.6327

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	4.0700e-003	0.0176	0.2508	3.3000e-004		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	29.0399	29.0399	9.3900e-003	0.0000	29.2747
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.0700e-003	0.0176	0.2508	3.3000e-004		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	29.0399	29.0399	9.3900e-003	0.0000	29.2747

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3.5 Paving - 2022

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	6.9000e-004	6.2100e-003	2.0000e-005	2.0900e-003	1.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6316	1.6316	5.0000e-005	0.0000	1.6327
Total	8.3000e-004	6.9000e-004	6.2100e-003	2.0000e-005	2.0900e-003	1.0000e-005	2.1100e-003	5.6000e-004	1.0000e-005	5.7000e-004	0.0000	1.6316	1.6316	5.0000e-005	0.0000	1.6327

3.6 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	tons/yr										MT/yr					
Archit. Coating	1.2515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9700e-003	0.0204	0.0263	4.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	3.7022	3.7022	2.4000e-004	0.0000	3.7082
Total	1.2544	0.0204	0.0263	4.0000e-005		1.1800e-003	1.1800e-003		1.1800e-003	1.1800e-003	0.0000	3.7022	3.7022	2.4000e-004	0.0000	3.7082

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3.6 Architectural Coating - 2022

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	1.6100e-003	1.3400e-003	0.0120	3.0000e-005	4.0500e-003	3.0000e-005	4.0700e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.1544	3.1544	9.0000e-005	0.0000	3.1566
Total	1.6100e-003	1.3400e-003	0.0120	3.0000e-005	4.0500e-003	3.0000e-005	4.0700e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.1544	3.1544	9.0000e-005	0.0000	3.1566

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	1.2515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	1.8700e-003	0.0266	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.7022	3.7022	2.4000e-004	0.0000	3.7082
Total	1.2519	1.8700e-003	0.0266	4.0000e-005		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	3.7022	3.7022	2.4000e-004	0.0000	3.7082

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3.6 Architectural Coating - 2022

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	1.6100e-003	1.3400e-003	0.0120	3.0000e-005	4.0500e-003	3.0000e-005	4.0700e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.1544	3.1544	9.0000e-005	0.0000	3.1566
Total	1.6100e-003	1.3400e-003	0.0120	3.0000e-005	4.0500e-003	3.0000e-005	4.0700e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.1544	3.1544	9.0000e-005	0.0000	3.1566

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Retirement Community	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
Congregate Care (Assisted Living)	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Retirement Community	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098

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5.0 Energy Detail

Historical Energy Use: N

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	234.0401	234.0401	0.0106	2.1900e-003	234.9572
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	234.0401	234.0401	0.0106	2.1900e-003	234.9572
NaturalGas Mitigated	0.0103	0.0882	0.0376	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	102.1927	102.1927	1.9600e-003	1.8700e-003	102.7999
NaturalGas Unmitigated	0.0103	0.0882	0.0376	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	102.1927	102.1927	1.9600e-003	1.8700e-003	102.7999

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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					
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
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
Total		0.0103	0.0882	0.0376	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	102.1927	102.1927	1.9600e-003	1.8800e-003	102.7999

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					
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
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
Total		0.0103	0.0882	0.0376	5.6000e-004		7.1300e-003	7.1300e-003		7.1300e-003	7.1300e-003	0.0000	102.1927	102.1927	1.9600e-003	1.8800e-003	102.7999

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	303643	88.3333	3.9900e-003	8.3000e-004	88.6794
Retirement Community	500863	145.7069	6.5900e-003	1.3600e-003	146.2778
Total		234.0401	0.0106	2.1900e-003	234.9572

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Congregate Care (Assisted Living)	303643	88.3333	3.9900e-003	8.3000e-004	88.6794
Retirement Community	500863	145.7069	6.5900e-003	1.3600e-003	146.2778
Total		234.0401	0.0106	2.1900e-003	234.9572

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8628	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537
Unmitigated	0.8628	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537

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
Consumer Products	0.7811					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	0.0817	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537
Total	0.8628	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537

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6.2 Area by SubCategory

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
Consumer Products	0.7811					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	0.0817	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537
Total	0.8628	0.0313	2.7200	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4472	4.4472	4.2600e-003	0.0000	4.5537

7.0 Water Detail

7.1 Mitigation Measures Water

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	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			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Congregate Care (Assisted Living)	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	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

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	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			
Congregate Care (Assisted Living)	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	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
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Retirement Community Construction - 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
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Slack and Grand Construction - San Luis Obispo County, Summer

Slack and Grand Construction
San Luis Obispo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	525.00	Space	4.72	210,000.00	0
Health Club	12.00	1000sqft	0.28	12,000.00	0
Apartments Mid Rise	380.00	Dwelling Unit	10.00	380,000.00	1087
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	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 -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Schedule adjusted proportionally to fit into four year period

Vehicle Trips - Construction only

Slack and Grand Construction - San Luis Obispo County, Summer

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	9500	0
tblAreaCoating	Area_Nonresidential_Interior	28500	0
tblAreaCoating	Area_Parking	12600	0
tblAreaCoating	Area_Residential_Exterior	256500	0
tblAreaCoating	Area_Residential_Interior	769500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

Slack and Grand Construction - San Luis Obispo County, Summer

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	27.00
tblConstructionPhase	NumDays	30.00	82.00
tblConstructionPhase	NumDays	300.00	823.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	55.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	5.25	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	2.76	0.00
tblEnergyUse	T24E	1.48	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	2.37	0.00

Slack and Grand Construction - San Luis Obispo County, Summer

tblEnergyUse	T24NG	19.71	0.00
tblGrading	AcresOfGrading	205.00	75.00
tblSolidWaste	SolidWasteGenerationRate	174.80	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	68.40	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	863.10	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	758.45	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	737.99	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	24,758,529.74	0.00
tblWater	IndoorWaterUseRate	518,507.65	0.00
tblWater	IndoorWaterUseRate	709,717.73	0.00
tblWater	OutdoorWaterUseRate	15,608,638.31	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	434,988.29	0.00

2.0 Emissions Summary

Slack and Grand Construction - San Luis Obispo County, Summer

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	4.2708	46.4637	31.5231	0.0756	18.2442	2.0456	20.2898	9.9779	1.8819	11.8598	0.0000	7,512.0683	7,512.0683	1.9482	0.0000	7,532.2872
2022	3.2989	23.6858	29.1544	0.0743	4.0102	0.8491	4.8593	1.0719	0.7988	1.8706	0.0000	7,384.2810	7,384.2810	0.7934	0.0000	7,404.1149
2023	3.0300	21.1270	27.8876	0.0728	4.0103	0.7296	4.7398	1.0719	0.6862	1.7581	0.0000	7,239.2413	7,239.2413	0.7698	0.0000	7,258.4866
2024	92.7218	19.9649	26.9434	0.0716	4.0103	0.6420	4.6523	1.0719	0.6036	1.6755	0.0000	7,111.9744	7,111.9744	0.7587	0.0000	7,130.9419
Maximum	92.7218	46.4637	31.5231	0.0756	18.2442	2.0456	20.2898	9.9779	1.8819	11.8598	0.0000	7,512.0683	7,512.0683	1.9482	0.0000	7,532.2872

Slack and Grand Construction - 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	9.5585	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281
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	9.5585	0.3613	31.3762	1.6600e-003	0.0000	0.1740	0.1740	0.0000	0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281

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	9.5585	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281
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	9.5585	0.3613	31.3762	1.6600e-003	0.0000	0.1740	0.1740	0.0000	0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281

Slack and Grand Construction - 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	Site Preparation	Site Preparation	1/1/2021	2/8/2021	5	27	
2	Grading	Grading	2/9/2021	6/2/2021	5	82	
3	Building Construction	Building Construction	6/3/2021	7/29/2024	5	823	
4	Paving	Paving	7/30/2024	10/14/2024	5	55	
5	Architectural Coating	Architectural Coating	7/31/2024	10/15/2024	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 4.72

Residential Indoor: 769,500; Residential Outdoor: 256,500; Non-Residential Indoor: 28,500; Non-Residential Outdoor: 9,500; Striped Parking Area: 12,600 (Architectural Coating – sqft)

OffRoad Equipment

Slack and Grand Construction - San Luis Obispo County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	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	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	369.00	78.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

Slack and Grand Construction - San Luis Obispo County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Slack and Grand Construction - San Luis Obispo County, Summer

3.2 Site Preparation - 2021

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	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530
Total	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530

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					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	0.4656	2.0175	20.8690	0.0380	18.0663	0.0621	18.1283	9.9307	0.0621	9.9928	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Slack and Grand Construction - San Luis Obispo County, Summer

3.2 Site Preparation - 2021

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	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530
Total	0.0717	0.0574	0.5802	1.6100e-003	0.1780	1.1000e-003	0.1791	0.0472	1.0200e-003	0.0482		160.6324	160.6324	4.8200e-003		160.7530

3.3 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					6.9921	0.0000	6.9921	3.4150	0.0000	3.4150			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	6.9921	1.9853	8.9774	3.4150	1.8265	5.2415		6,007.0434	6,007.0434	1.9428		6,055.6134

Slack and Grand Construction - San Luis Obispo County, Summer

3.3 Grading - 2021

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	1.2200e-003	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					
Fugitive Dust					6.9921	0.0000	6.9921	3.4150	0.0000	3.4150			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	0.7616	3.3000	32.9991	0.0620	6.9921	0.1015	7.0936	3.4150	0.1015	3.5165	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134

Slack and Grand Construction - San Luis Obispo County, Summer

3.3 Grading - 2021

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

3.4 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2021

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	0.2312	7.3727	2.0344	0.0156	0.3621	0.0207	0.3828	0.1043	0.0198	0.1241		1,665.740 1	1,665.740 1	0.0939		1,668.086 5
Worker	1.4699	1.1775	11.8946	0.0331	3.6480	0.0226	3.6706	0.9675	0.0208	0.9884		3,292.964 3	3,292.964 3	0.0989		3,295.436 5
Total	1.7011	8.5501	13.9290	0.0487	4.0101	0.0433	4.0534	1.0718	0.0406	1.1125		4,958.704 4	4,958.704 4	0.1928		4,963.523 0

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	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	0.5867	2.7396	17.6822	0.0269		0.1120	0.1120		0.1120	0.1120	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2021

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	0.2312	7.3727	2.0344	0.0156	0.3621	0.0207	0.3828	0.1043	0.0198	0.1241		1,665.740 1	1,665.740 1	0.0939		1,668.086 5
Worker	1.4699	1.1775	11.8946	0.0331	3.6480	0.0226	3.6706	0.9675	0.0208	0.9884		3,292.964 3	3,292.964 3	0.0989		3,295.436 5
Total	1.7011	8.5501	13.9290	0.0487	4.0101	0.0433	4.0534	1.0718	0.0406	1.1125		4,958.704 4	4,958.704 4	0.1928		4,963.523 0

3.4 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2022

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	0.2137	7.0112	1.8762	0.0155	0.3622	0.0182	0.3804	0.1043	0.0174	0.1217		1,654.7265	1,654.7265	0.0927		1,657.0437
Worker	1.3789	1.0589	10.9148	0.0319	3.6480	0.0220	3.6699	0.9675	0.0202	0.9878		3,175.2209	3,175.2209	0.0887		3,177.4390
Total	1.5927	8.0701	12.7910	0.0474	4.0102	0.0401	4.0503	1.0719	0.0376	1.1095		4,829.9475	4,829.9475	0.1814		4,834.4827

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	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.5608	2.6936	17.6592	0.0269		0.1018	0.1018		0.1018	0.1018	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2022

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	0.2137	7.0112	1.8762	0.0155	0.3622	0.0182	0.3804	0.1043	0.0174	0.1217		1,654.7265	1,654.7265	0.0927		1,657.0437
Worker	1.3789	1.0589	10.9148	0.0319	3.6480	0.0220	3.6699	0.9675	0.0202	0.9878		3,175.2209	3,175.2209	0.0887		3,177.4390
Total	1.5927	8.0701	12.7910	0.0474	4.0102	0.0401	4.0503	1.0719	0.0376	1.1095		4,829.9475	4,829.9475	0.1814		4,834.4827

3.4 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2023

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	0.1631	5.7902	1.6561	0.0152	0.3623	8.4500e-003	0.3707	0.1044	8.0800e-003	0.1124		1,627.9353	1,627.9353	0.0826		1,630.0010
Worker	1.2942	0.9520	9.9875	0.0307	3.6480	0.0214	3.6694	0.9675	0.0197	0.9872		3,056.0961	3,056.0961	0.0793		3,058.0795
Total	1.4573	6.7422	11.6436	0.0459	4.0103	0.0298	4.0401	1.0719	0.0278	1.0997		4,684.0314	4,684.0314	0.1620		4,688.0805

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	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.5385	2.6513	17.6413	0.0269		0.0930	0.0930		0.0930	0.0930	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2023

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	0.1631	5.7902	1.6561	0.0152	0.3623	8.4500e-003	0.3707	0.1044	8.0800e-003	0.1124		1,627.9353	1,627.9353	0.0826		1,630.0010
Worker	1.2942	0.9520	9.9875	0.0307	3.6480	0.0214	3.6694	0.9675	0.0197	0.9872		3,056.0961	3,056.0961	0.0793		3,058.0795
Total	1.4573	6.7422	11.6436	0.0459	4.0103	0.0298	4.0401	1.0719	0.0278	1.0997		4,684.0314	4,684.0314	0.1620		4,688.0805

3.4 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	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2024

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	0.1546	5.6619	1.5564	0.0151	0.3623	7.8000e-003	0.3701	0.1044	7.4600e-003	0.1118		1,619.0326	1,619.0326	0.0831		1,621.1091
Worker	1.2188	0.8592	9.2201	0.0295	3.6480	0.0209	3.6689	0.9675	0.0192	0.9868		2,937.2429	2,937.2429	0.0713		2,939.0251
Total	1.3734	6.5211	10.7766	0.0446	4.0103	0.0287	4.0390	1.0719	0.0267	1.0986		4,556.2755	4,556.2755	0.1544		4,560.1342

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	0.5199	2.6115	17.6271	0.0270		0.0853	0.0853		0.0853	0.0853	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.5199	2.6115	17.6271	0.0270		0.0853	0.0853		0.0853	0.0853	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Slack and Grand Construction - San Luis Obispo County, Summer

3.4 Building Construction - 2024

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	0.1546	5.6619	1.5564	0.0151	0.3623	7.8000e-003	0.3701	0.1044	7.4600e-003	0.1118		1,619.0326	1,619.0326	0.0831		1,621.1091
Worker	1.2188	0.8592	9.2201	0.0295	3.6480	0.0209	3.6689	0.9675	0.0192	0.9868		2,937.2429	2,937.2429	0.0713		2,939.0251
Total	1.3734	6.5211	10.7766	0.0446	4.0103	0.0287	4.0390	1.0719	0.0267	1.0986		4,556.2755	4,556.2755	0.1544		4,560.1342

3.5 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	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963

Slack and Grand Construction - San Luis Obispo County, Summer

3.5 Paving - 2024

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	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726
Total	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726

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	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963

Slack and Grand Construction - San Luis Obispo County, Summer

3.5 Paving - 2024

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	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726
Total	0.0495	0.0349	0.3748	1.2000e-003	0.1483	8.5000e-004	0.1491	0.0393	7.8000e-004	0.0401		119.4001	119.4001	2.9000e-003		119.4726

3.6 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	91.2589					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	91.4397	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Slack and Grand Construction - San Luis Obispo County, Summer

3.6 Architectural Coating - 2024

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	0.2444	0.1723	1.8490	5.9100e-003	0.7316	4.1900e-003	0.7358	0.1940	3.8600e-003	0.1979		589.0406	589.0406	0.0143		589.3980
Total	0.2444	0.1723	1.8490	5.9100e-003	0.7316	4.1900e-003	0.7358	0.1940	3.8600e-003	0.1979		589.0406	589.0406	0.0143		589.3980

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	91.2589					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443
Total	91.2887	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0159		281.8443

Slack and Grand Construction - San Luis Obispo County, Summer

3.6 Architectural Coating - 2024

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	0.2444	0.1723	1.8490	5.9100e-003	0.7316	4.1900e-003	0.7358	0.1940	3.8600e-003	0.1979		589.0406	589.0406	0.0143		589.3980
Total	0.2444	0.1723	1.8490	5.9100e-003	0.7316	4.1900e-003	0.7358	0.1940	3.8600e-003	0.1979		589.0406	589.0406	0.0143		589.3980

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Slack and Grand Construction - 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	0.0000	0.0000	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		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Health Club	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
Convenience Market (24 Hour)	13.00	5.00	5.00	0.90	80.10	19.00	24	15	61
Health Club	13.00	5.00	5.00	16.90	64.10	19.00	52	39	9
Unenclosed Parking with	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Slack and Grand Construction - San Luis Obispo County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Convenience Market (24 Hour)	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Health Club	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Unenclosed Parking with Elevator	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098

5.0 Energy Detail

Historical Energy Use: N

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

Slack and Grand Construction - San Luis Obispo County, Summer

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	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
Convenience Market (24 Hour)	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
Health Club	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
Unenclosed Parking with Elevator	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

Slack and Grand Construction - 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					
Apartments Mid Rise	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
Convenience Market (24 Hour)	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
Health Club	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
Unenclosed Parking with Elevator	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

Slack and Grand Construction - 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	9.5585	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281
Unmitigated	9.5585	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281

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
Consumer Products	8.6130					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	0.9455	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740		56.5689	56.5689	0.0544		57.9281
Total	9.5585	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281

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6.2 Area by SubCategory

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
Consumer Products	8.6130					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	0.9455	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740		56.5689	56.5689	0.0544		57.9281
Total	9.5585	0.3613	31.3762	1.6600e-003		0.1740	0.1740		0.1740	0.1740	0.0000	56.5689	56.5689	0.0544	0.0000	57.9281

7.0 Water Detail

7.1 Mitigation Measures Water

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
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10.0 Stationary Equipment

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Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	525.00	Space	4.72	210,000.00	0
Health Club	12.00	1000sqft	0.28	12,000.00	0
Apartments Mid Rise	380.00	Dwelling Unit	10.00	380,000.00	1087
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	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 -

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

Construction Off-road Equipment Mitigation - All equipment 50 hp or more to be Tier 4 Final

Construction Phase - Schedule adjusted proportionally to fit into four year period

Vehicle Trips - Construction only

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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	9500	0
tblAreaCoating	Area_Nonresidential_Interior	28500	0
tblAreaCoating	Area_Parking	12600	0
tblAreaCoating	Area_Residential_Exterior	256500	0
tblAreaCoating	Area_Residential_Interior	769500	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	27.00
tblConstructionPhase	NumDays	30.00	82.00
tblConstructionPhase	NumDays	300.00	823.00
tblConstructionPhase	NumDays	20.00	55.00
tblConstructionPhase	NumDays	20.00	55.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	5.25	0.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	2.68	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	3,155.00	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	332.81	0.00
tblEnergyUse	T24E	2.76	0.00
tblEnergyUse	T24E	1.48	0.00
tblEnergyUse	T24NG	5,484.45	0.00
tblEnergyUse	T24NG	2.37	0.00

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tblEnergyUse	T24NG	19.71	0.00
tblGrading	AcresOfGrading	205.00	75.00
tblSolidWaste	SolidWasteGenerationRate	174.80	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	68.40	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	863.10	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	758.45	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	737.99	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblWater	IndoorWaterUseRate	24,758,529.74	0.00
tblWater	IndoorWaterUseRate	518,507.65	0.00
tblWater	IndoorWaterUseRate	709,717.73	0.00
tblWater	OutdoorWaterUseRate	15,608,638.31	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	434,988.29	0.00

2.0 Emissions Summary

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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	0.5055	4.4416	3.8841	8.7800e-003	0.8377	0.1853	1.0230	0.3563	0.1720	0.5283	0.0000	784.4167	784.4167	0.1429	0.0000	787.9886
2022	0.4340	3.1004	3.7583	9.4700e-003	0.5079	0.1105	0.6183	0.1360	0.1039	0.2399	0.0000	853.6820	853.6820	0.0936	0.0000	856.0218
2023	0.3988	2.7640	3.5921	9.2900e-003	0.5079	0.0949	0.6028	0.1361	0.0892	0.2253	0.0000	837.1236	837.1236	0.0908	0.0000	839.3929
2024	2.7676	1.8183	2.5264	6.2000e-003	0.3185	0.0632	0.3817	0.0853	0.0592	0.1445	0.0000	556.8647	556.8647	0.0706	0.0000	558.6294
Maximum	2.7676	4.4416	3.8841	9.4700e-003	0.8377	0.1853	1.0230	0.3563	0.1720	0.5283	0.0000	853.6820	853.6820	0.1429	0.0000	856.0218

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2.1 Overall Construction

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	0.2188	1.0384	4.0513	8.7800e-003	0.8377	0.0169	0.8546	0.3563	0.0167	0.3730	0.0000	784.4162	784.4162	0.1429	0.0000	787.9880
2022	0.2850	1.4206	3.9267	9.4700e-003	0.5079	0.0185	0.5264	0.1360	0.0182	0.1542	0.0000	853.6817	853.6817	0.0936	0.0000	856.0214
2023	0.2643	1.2386	3.7737	9.2900e-003	0.5079	0.0160	0.5239	0.1361	0.0157	0.1518	0.0000	837.1233	837.1233	0.0908	0.0000	839.3926
2024	2.6722	0.7419	2.7106	6.2000e-003	0.3185	9.9000e-003	0.3284	0.0853	9.7300e-003	0.0950	0.0000	556.8644	556.8644	0.0706	0.0000	558.6291
Maximum	2.6722	1.4206	4.0513	9.4700e-003	0.8377	0.0185	0.8546	0.3563	0.0182	0.3730	0.0000	853.6817	853.6817	0.1429	0.0000	856.0214

	ROG	NOx	CO	SO2	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	16.21	63.38	-5.10	0.00	0.00	86.49	14.95	0.00	85.78	31.99	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)
5	1-1-2021	3-31-2021	1.5447	0.1136
6	4-1-2021	6-30-2021	1.4374	0.2304
7	7-1-2021	9-30-2021	0.9721	0.4461
8	10-1-2021	12-31-2021	0.9830	0.4571
9	1-1-2022	3-31-2022	0.8772	0.4250
10	4-1-2022	6-30-2022	0.8770	0.4198
11	7-1-2022	9-30-2022	0.8866	0.4244
12	10-1-2022	12-31-2022	0.8967	0.4344

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13	1-1-2023	3-31-2023	0.7857	0.3753
14	4-1-2023	6-30-2023	0.7851	0.3701
15	7-1-2023	9-30-2023	0.7937	0.3742
16	10-1-2023	12-31-2023	0.8031	0.3836
17	1-1-2024	3-31-2024	0.7499	0.3670
18	4-1-2024	6-30-2024	0.7413	0.3583
19	7-1-2024	9-30-2024	2.5356	2.1832
		Highest	2.5356	2.1832

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	1.7279	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710
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	0.0000	0.0000	0.0000	0.0000	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	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	1.7279	0.0596	5.1771	2.7000e-004	0.0000	0.0287	0.0287	0.0000	0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710

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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	1.7279	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710
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	0.0000	0.0000	0.0000	0.0000	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	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	1.7279	0.0596	5.1771	2.7000e-004	0.0000	0.0287	0.0287	0.0000	0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	2/8/2021	5	27	
2	Grading	Grading	2/9/2021	6/2/2021	5	82	
3	Building Construction	Building Construction	6/3/2021	7/29/2024	5	823	
4	Paving	Paving	7/30/2024	10/14/2024	5	55	
5	Architectural Coating	Architectural Coating	7/31/2024	10/15/2024	5	55	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 4.72

Residential Indoor: 769,500; Residential Outdoor: 256,500; Non-Residential Indoor: 28,500; Non-Residential Outdoor: 9,500; Striped Parking Area: 12,600 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	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	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	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
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	369.00	78.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	74.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3.2 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					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0525	0.5467	0.2856	5.1000e-004		0.0276	0.0276		0.0254	0.0254	0.0000	45.1382	45.1382	0.0146	0.0000	45.5032
Total	0.0525	0.5467	0.2856	5.1000e-004	0.2439	0.0276	0.2715	0.1341	0.0254	0.1595	0.0000	45.1382	45.1382	0.0146	0.0000	45.5032

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3.2 Site Preparation - 2021

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	9.9000e-004	8.6000e-004	7.5800e-003	2.0000e-005	2.3400e-003	1.0000e-005	2.3500e-003	6.2000e-004	1.0000e-005	6.4000e-004	0.0000	1.8904	1.8904	6.0000e-005	0.0000	1.8919
Total	9.9000e-004	8.6000e-004	7.5800e-003	2.0000e-005	2.3400e-003	1.0000e-005	2.3500e-003	6.2000e-004	1.0000e-005	6.4000e-004	0.0000	1.8904	1.8904	6.0000e-005	0.0000	1.8919

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					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.2900e-003	0.0272	0.2817	5.1000e-004		8.4000e-004	8.4000e-004		8.4000e-004	8.4000e-004	0.0000	45.1382	45.1382	0.0146	0.0000	45.5031
Total	6.2900e-003	0.0272	0.2817	5.1000e-004	0.2439	8.4000e-004	0.2447	0.1341	8.4000e-004	0.1349	0.0000	45.1382	45.1382	0.0146	0.0000	45.5031

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3.2 Site Preparation - 2021

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	8.6000e-004	7.5800e-003	2.0000e-005	2.3400e-003	1.0000e-005	2.3500e-003	6.2000e-004	1.0000e-005	6.4000e-004	0.0000	1.8904	1.8904	6.0000e-005	0.0000	1.8919
Total	9.9000e-004	8.6000e-004	7.5800e-003	2.0000e-005	2.3400e-003	1.0000e-005	2.3500e-003	6.2000e-004	1.0000e-005	6.4000e-004	0.0000	1.8904	1.8904	6.0000e-005	0.0000	1.8919

3.3 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					0.2867	0.0000	0.2867	0.1400	0.0000	0.1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1718	1.9024	1.2660	2.5400e-003		0.0814	0.0814		0.0749	0.0749	0.0000	223.4294	223.4294	0.0723	0.0000	225.2360
Total	0.1718	1.9024	1.2660	2.5400e-003	0.2867	0.0814	0.3681	0.1400	0.0749	0.2149	0.0000	223.4294	223.4294	0.0723	0.0000	225.2360

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3.3 Grading - 2021

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	3.3400e-003	2.9100e-003	0.0256	7.0000e-005	7.8900e-003	5.0000e-005	7.9400e-003	2.1000e-003	5.0000e-005	2.1400e-003	0.0000	6.3793	6.3793	1.9000e-004	0.0000	6.3841
Total	3.3400e-003	2.9100e-003	0.0256	7.0000e-005	7.8900e-003	5.0000e-005	7.9400e-003	2.1000e-003	5.0000e-005	2.1400e-003	0.0000	6.3793	6.3793	1.9000e-004	0.0000	6.3841

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					0.2867	0.0000	0.2867	0.1400	0.0000	0.1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0312	0.1353	1.3530	2.5400e-003		4.1600e-003	4.1600e-003		4.1600e-003	4.1600e-003	0.0000	223.4292	223.4292	0.0723	0.0000	225.2357
Total	0.0312	0.1353	1.3530	2.5400e-003	0.2867	4.1600e-003	0.2908	0.1400	4.1600e-003	0.1442	0.0000	223.4292	223.4292	0.0723	0.0000	225.2357

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3.3 Grading - 2021

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	3.3400e-003	2.9100e-003	0.0256	7.0000e-005	7.8900e-003	5.0000e-005	7.9400e-003	2.1000e-003	5.0000e-005	2.1400e-003	0.0000	6.3793	6.3793	1.9000e-004	0.0000	6.3841
Total	3.3400e-003	2.9100e-003	0.0256	7.0000e-005	7.8900e-003	5.0000e-005	7.9400e-003	2.1000e-003	5.0000e-005	2.1400e-003	0.0000	6.3793	6.3793	1.9000e-004	0.0000	6.3841

3.4 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	0.1445	1.3248	1.2597	2.0500e-003		0.0729	0.0729		0.0685	0.0685	0.0000	176.0443	176.0443	0.0425	0.0000	177.1061
Total	0.1445	1.3248	1.2597	2.0500e-003		0.0729	0.0729		0.0685	0.0685	0.0000	176.0443	176.0443	0.0425	0.0000	177.1061

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3.4 Building Construction - 2021

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	0.0181	0.5643	0.1654	1.1700e-003	0.0269	1.6100e-003	0.0285	7.7800e-003	1.5400e-003	9.3200e-003	0.0000	113.3643	113.3643	6.6900e-003	0.0000	113.5314
Worker	0.1143	0.0996	0.8743	2.4100e-003	0.2700	1.7200e-003	0.2717	0.0718	1.5800e-003	0.0733	0.0000	218.1708	218.1708	6.6100e-003	0.0000	218.3359
Total	0.1324	0.6639	1.0396	3.5800e-003	0.2969	3.3300e-003	0.3002	0.0795	3.1200e-003	0.0827	0.0000	331.5350	331.5350	0.0133	0.0000	331.8673

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	0.0446	0.2082	1.3439	2.0500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	176.0441	176.0441	0.0425	0.0000	177.1059
Total	0.0446	0.2082	1.3439	2.0500e-003		8.5100e-003	8.5100e-003		8.5100e-003	8.5100e-003	0.0000	176.0441	176.0441	0.0425	0.0000	177.1059

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3.4 Building Construction - 2021

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	0.0181	0.5643	0.1654	1.1700e-003	0.0269	1.6100e-003	0.0285	7.7800e-003	1.5400e-003	9.3200e-003	0.0000	113.3643	113.3643	6.6900e-003	0.0000	113.5314
Worker	0.1143	0.0996	0.8743	2.4100e-003	0.2700	1.7200e-003	0.2717	0.0718	1.5800e-003	0.0733	0.0000	218.1708	218.1708	6.6100e-003	0.0000	218.3359
Total	0.1324	0.6639	1.0396	3.5800e-003	0.2969	3.3300e-003	0.3002	0.0795	3.1200e-003	0.0827	0.0000	331.5350	331.5350	0.0133	0.0000	331.8673

3.4 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

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3.4 Building Construction - 2022

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	0.0286	0.9172	0.2611	1.9900e-003	0.0461	2.4200e-003	0.0485	0.0133	2.3200e-003	0.0156	0.0000	192.5916	192.5916	0.0113	0.0000	192.8740
Worker	0.1836	0.1532	1.3699	3.9800e-003	0.4618	2.8500e-003	0.4647	0.1227	2.6300e-003	0.1254	0.0000	359.8476	359.8476	0.0101	0.0000	360.1008
Total	0.2122	1.0704	1.6310	5.9700e-003	0.5079	5.2700e-003	0.5132	0.1360	4.9500e-003	0.1410	0.0000	552.4392	552.4392	0.0214	0.0000	552.9747

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	0.0729	0.3502	2.2957	3.5000e-003		0.0132	0.0132		0.0132	0.0132	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0729	0.3502	2.2957	3.5000e-003		0.0132	0.0132		0.0132	0.0132	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

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3.4 Building Construction - 2022

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	0.0286	0.9172	0.2611	1.9900e-003	0.0461	2.4200e-003	0.0485	0.0133	2.3200e-003	0.0156	0.0000	192.5916	192.5916	0.0113	0.0000	192.8740
Worker	0.1836	0.1532	1.3699	3.9800e-003	0.4618	2.8500e-003	0.4647	0.1227	2.6300e-003	0.1254	0.0000	359.8476	359.8476	0.0101	0.0000	360.1008
Total	0.2122	1.0704	1.6310	5.9700e-003	0.5079	5.2700e-003	0.5132	0.1360	4.9500e-003	0.1410	0.0000	552.4392	552.4392	0.0214	0.0000	552.9747

3.4 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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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3.4 Building Construction - 2023

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	0.0218	0.7562	0.2294	1.9500e-003	0.0461	1.1200e-003	0.0472	0.0133	1.0700e-003	0.0144	0.0000	189.4260	189.4260	0.0101	0.0000	189.6771
Worker	0.1725	0.1377	1.2510	3.8300e-003	0.4618	2.7800e-003	0.4646	0.1227	2.5600e-003	0.1253	0.0000	346.3515	346.3515	9.0400e-003	0.0000	346.5775
Total	0.1943	0.8940	1.4804	5.7800e-003	0.5079	3.9000e-003	0.5118	0.1361	3.6300e-003	0.1397	0.0000	535.7775	535.7775	0.0191	0.0000	536.2546

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	0.0700	0.3447	2.2934	3.5000e-003		0.0121	0.0121		0.0121	0.0121	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0700	0.3447	2.2934	3.5000e-003		0.0121	0.0121		0.0121	0.0121	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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3.4 Building Construction - 2023

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	0.0218	0.7562	0.2294	1.9500e-003	0.0461	1.1200e-003	0.0472	0.0133	1.0700e-003	0.0144	0.0000	189.4260	189.4260	0.0101	0.0000	189.6771
Worker	0.1725	0.1377	1.2510	3.8300e-003	0.4618	2.7800e-003	0.4646	0.1227	2.5600e-003	0.1253	0.0000	346.3515	346.3515	9.0400e-003	0.0000	346.5775
Total	0.1943	0.8940	1.4804	5.7800e-003	0.5079	3.9000e-003	0.5118	0.1361	3.6300e-003	0.1397	0.0000	535.7775	535.7775	0.0191	0.0000	536.2546

3.4 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	0.1111	1.0150	1.2206	2.0300e-003		0.0463	0.0463		0.0436	0.0436	0.0000	175.0461	175.0461	0.0414	0.0000	176.0809
Total	0.1111	1.0150	1.2206	2.0300e-003		0.0463	0.0463		0.0436	0.0436	0.0000	175.0461	175.0461	0.0414	0.0000	176.0809

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3.4 Building Construction - 2024

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	0.0120	0.4293	0.1252	1.1300e-003	0.0268	6.0000e-004	0.0274	7.7400e-003	5.7000e-004	8.3100e-003	0.0000	109.4096	109.4096	5.8600e-003	0.0000	109.5562
Worker	0.0944	0.0722	0.6697	2.1400e-003	0.2682	1.5800e-003	0.2698	0.0713	1.4500e-003	0.0727	0.0000	193.3302	193.3302	4.7100e-003	0.0000	193.4480
Total	0.1065	0.5015	0.7949	3.2700e-003	0.2950	2.1800e-003	0.2972	0.0790	2.0200e-003	0.0810	0.0000	302.7399	302.7399	0.0106	0.0000	303.0042

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	0.0393	0.1972	1.3308	2.0300e-003		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	175.0459	175.0459	0.0414	0.0000	176.0807
Total	0.0393	0.1972	1.3308	2.0300e-003		6.4400e-003	6.4400e-003		6.4400e-003	6.4400e-003	0.0000	175.0459	175.0459	0.0414	0.0000	176.0807

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3.4 Building Construction - 2024

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	0.0120	0.4293	0.1252	1.1300e-003	0.0268	6.0000e-004	0.0274	7.7400e-003	5.7000e-004	8.3100e-003	0.0000	109.4096	109.4096	5.8600e-003	0.0000	109.5562
Worker	0.0944	0.0722	0.6697	2.1400e-003	0.2682	1.5800e-003	0.2698	0.0713	1.4500e-003	0.0727	0.0000	193.3302	193.3302	4.7100e-003	0.0000	193.4480
Total	0.1065	0.5015	0.7949	3.2700e-003	0.2950	2.1800e-003	0.2972	0.0790	2.0200e-003	0.0810	0.0000	302.7399	302.7399	0.0106	0.0000	303.0042

3.5 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	0.0272	0.2619	0.4022	6.3000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	55.0730	55.0730	0.0178	0.0000	55.5183
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0272	0.2619	0.4022	6.3000e-004		0.0129	0.0129		0.0119	0.0119	0.0000	55.0730	55.0730	0.0178	0.0000	55.5183

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3.5 Paving - 2024

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-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643
Total	1.4000e-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643

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	7.7100e-003	0.0334	0.4756	6.3000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	55.0729	55.0729	0.0178	0.0000	55.5182
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	7.7100e-003	0.0334	0.4756	6.3000e-004		1.0300e-003	1.0300e-003		1.0300e-003	1.0300e-003	0.0000	55.0729	55.0729	0.0178	0.0000	55.5182

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3.5 Paving - 2024

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-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643
Total	1.4000e-003	1.0700e-003	9.9200e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0600e-003	2.0000e-005	1.0800e-003	0.0000	2.8625	2.8625	7.0000e-005	0.0000	2.8643

3.6 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	tons/yr										MT/yr					
Archit. Coating	2.5096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9700e-003	0.0335	0.0498	8.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	7.0215	7.0215	4.0000e-004	0.0000	7.0313
Total	2.5146	0.0335	0.0498	8.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	7.0215	7.0215	4.0000e-004	0.0000	7.0313

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3.6 Architectural Coating - 2024

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	6.9000e-003	5.2700e-003	0.0489	1.6000e-004	0.0196	1.2000e-004	0.0197	5.2100e-003	1.1000e-004	5.3100e-003	0.0000	14.1218	14.1218	3.4000e-004	0.0000	14.1304
Total	6.9000e-003	5.2700e-003	0.0489	1.6000e-004	0.0196	1.2000e-004	0.0197	5.2100e-003	1.1000e-004	5.3100e-003	0.0000	14.1218	14.1218	3.4000e-004	0.0000	14.1304

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	2.5096					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2000e-004	3.5400e-003	0.0504	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	7.0214	7.0214	4.0000e-004	0.0000	7.0313
Total	2.5104	3.5400e-003	0.0504	8.0000e-005		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	7.0214	7.0214	4.0000e-004	0.0000	7.0313

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3.6 Architectural Coating - 2024

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	6.9000e-003	5.2700e-003	0.0489	1.6000e-004	0.0196	1.2000e-004	0.0197	5.2100e-003	1.1000e-004	5.3100e-003	0.0000	14.1218	14.1218	3.4000e-004	0.0000	14.1304
Total	6.9000e-003	5.2700e-003	0.0489	1.6000e-004	0.0196	1.2000e-004	0.0197	5.2100e-003	1.1000e-004	5.3100e-003	0.0000	14.1218	14.1218	3.4000e-004	0.0000	14.1304

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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		
Convenience Market (24 Hour)	0.00	0.00	0.00		
Health Club	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
Convenience Market (24 Hour)	13.00	5.00	5.00	0.90	80.10	19.00	24	15	61
Health Club	13.00	5.00	5.00	16.90	64.10	19.00	52	39	9
Unenclosed Parking with	13.00	5.00	5.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Convenience Market (24 Hour)	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Health Club	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098
Unenclosed Parking with Elevator	0.594251	0.027045	0.198417	0.112022	0.020557	0.005436	0.012656	0.019692	0.002295	0.001129	0.004655	0.000747	0.001098

5.0 Energy Detail

Historical Energy Use: N

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	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	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	0.0000

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.7279	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710
Unmitigated	1.7279	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710

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
Consumer Products	1.5719					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	0.1560	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710
Total	1.7279	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710

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6.2 Area by SubCategory

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
Consumer Products	1.5719					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	0.1560	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710
Total	1.7279	0.0596	5.1771	2.7000e-004		0.0287	0.0287		0.0287	0.0287	0.0000	8.4676	8.4676	8.1400e-003	0.0000	8.6710

7.0 Water Detail

7.1 Mitigation Measures Water

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	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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Slack and Grand Construction - 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			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	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

Slack and Grand Construction - San Luis Obispo County, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Slack and Grand Construction - San Luis Obispo County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
Convenience Market (24 Hour)	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Slack and Grand Construction - San Luis Obispo County, Annual

Equipment Type	Number
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11.0 Vegetation

Orange highlighted cells shows overlapped project phases, maximum daily emissions shown below have been adjusted to account for phase overlap
 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.

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> Master Plan Infrastructure														
Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust 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

Phase	Total Material Imported/Exported Volume (yd ³ /day)		Daily VMT (miles/day)			
	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)	Total PM10 (tons/phase)	Exhaust 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.

Road Construction Emissions Model Version 9.0.0
Data Entry Worksheet

Note: Required data input sections have a yellow background.
 Optional data input sections have a blue background. Only areas with a yellow or blue background can be modified. Program defaults have a white background.
 The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
 Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.



Input Type

Project Name	Master Plan Infrastructure	
Construction Start Year	2035	Enter a Year between 2014 and 2040 (inclusive)
Project Type	2	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	12.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (For project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	2	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	1.00	mile
Total Project Area	1.20	acres
Maximum Area Disturbed/Day	1.20	acres
Water Trucks Used?	2	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.
http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd ³) (assume 20 if unknown)	Import Volume (yd ³ /day)	Export Volume (yd ³ /day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

On-road Fleet Emissions Mitigation		Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Off-road Equipment Emissions Mitigation		Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation). Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that can be modified by the user, although those modifications are optional.

	Months
Grubbing/Land Clearing	0.00
Grading/Excavation	0.00
Drainage/Utilities/Sub-Grade	3.60
Paving	0.00

on-road EF source On_road_Mitigation_EF

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date
Grubbing/Land Clearing	0.00	1.20		1/1/2035
Grading/Excavation	0.00	5.40		1/1/2035
Drainage/Utilities/Sub-Grade		3.60		1/1/2035
Paving	0.00	1.80		4/21/2035
Totals (Months)		4		

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

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT					
User Input											
Miles/round trip: Grubbing/Land Clearing		0.00	30.00		0	0.00					
Miles/round trip: Grading/Excavation		0.00	30.00		0	0.00					
Miles/round trip: Drainage/Utilities/Sub-Grade		0.00	30.00		0	0.00					
Miles/round trip: Paving		0.00	30.00		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	
Grading/Excavation (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage/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	
Grubbing/Land Clearing (grams/trip)		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	
Drainage/Utilities/Sub-Grade (grams/trip)		0.00	0.00	4.53	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	
Hauling 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	
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	
Pounds per day - Grading/Excavation		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	
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	
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	
Pounds per day - Paving		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	
Total tons per construction project		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions		User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT					
User Input											
Miles/round trip: Grubbing/Land Clearing		0.00	30.00		0	0.00					
Miles/round trip: Grading/Excavation		0.00	30.00		0	0.00					
Miles/round trip: Drainage/Utilities/Sub-Grade		0.00	30.00		0	0.00					
Miles/round trip: Paving		0.00	30.00		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	
Grading/Excavation (grams/mile)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Drainage/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	
Grubbing/Land Clearing (grams/trip)		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	

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			Calculated					
Miles/ one-way trip		20	Daily Trips			Daily VMT					
One-way trips/day		2									
No. of employees: Grubbing/Land Clearing	0	7	0			0.00					
No. of employees: Grading/Excavation	0	22	0			0.00					
No. of employees: Drainage/Utilities/Sub-Grade		15	30			600.00					
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	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	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	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	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	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	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	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	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	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	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	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	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	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		Program Estimate of		User Override of Truck		Default Values		Calculated		User Override of	
	Default # Water Trucks	Number of Water Trucks	Round Trips/Vehicle/Day	Round Trips/Vehicle/Day	Round Trips/Day	Miles/Round Trip	Miles/Round Trip	Miles/Round Trip	Daily VMT	Miles/Round Trip	Daily VMT	
Grubbing/Land Clearing - Exhaust	0			5	0			8.00	0.00			
Grading/Excavation - Exhaust	0			5	0			8.00	0.00			
Drainage/Utilities/Subgrade	0			5	0			8.00	0.00			
Paving	0			5	0			8.00	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	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	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	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	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	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	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	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	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	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	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	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	0.00	

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max		Default		PM10		PM2.5	
	Acreage Disturbed/Day	Maximum Acreage/Day	Maximum Acreage/Day	Maximum Acreage/Day	pounds/day	tons/per period	pounds/day	tons/per period
Fugitive Dust - Grubbing/Land Clearing		0.00		0.00	0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation		0.00		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	0.20

Off-Road Equipment Emissions														
Grubbing/Land Clearing	Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
	Number of Vehicles	Override of	Default	Default										
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	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
	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
	2		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
			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
			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
			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					If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab									
Number of Vehicles	Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e		
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		
	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
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	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
	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
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	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
	1		Model Default Tier	Air Compressors	0.16	2.39	1.01	0.01	0.01	0.00	375.26	0.01	0.00	376.43
			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
	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	0.04	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					If non-default vehicles are used, please provide information in "Non-default Off-road Equipment" tab									
Number of Vehicles		Equipment Tier		Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
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
Drainage/Utilities/Sub-Grade				pounds per day	2.31	25.20	11.86	0.24	0.24	0.06	5,768.69	0.20	0.04	5,786.76
Drainage/Utilities/Sub-Grade				tons per phase	0.09	1.00	0.47	0.01	0.01	0.00	228.44	0.01	0.00	229.16

Default		Mitigation Option		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles	Override of	Default	Default	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
Override of Default Number of Vehicles	Program-estimate	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type									
		Model Default Tier	Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	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
		Model Default Tier	Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	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
		Model Default Tier	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
	1	Model Default Tier	Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1	Model Default Tier	Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	Model Default Tier	Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	Model Default Tier	Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	Model Default Tier	Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Model Default Tier	Model Default Tier	Welders	0.00	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									
Number of Vehicles		Equipment Tier	Type	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
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
	Paving		pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving		tons per phase	0.00	0.00	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	0.00	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	0.31
Air Compressors		78		8	0.48
Bore/Drill Rigs		221		8	0.50
Cement and Mortar Mixers		9		8	0.56
Concrete/Industrial Saws		81		8	0.73
Cranes		231		8	0.29
Crawler Tractors		212		8	0.43
Crushing/Proc. Equipment		85		8	0.78
Excavators		158		8	0.38
Forklifts		89		8	0.20
Generator Sets		84		8	0.74
Graders		187		8	0.41
Off-Highway Tractors		124		8	0.44
Off-Highway Trucks		402		8	0.38
Other Construction Equipment		172		8	0.42
Other General Industrial Equipment		88		8	0.34
Other Material Handling Equipment		168		8	0.40
Pavers		130		8	0.42
Paving Equipment		132		8	0.36
Plate Compactors		8		8	0.43
Pressure Washers		13		8	0.30
Pumps		84		8	0.74
Rollers		80		8	0.38
Rough Terrain Forklifts		100		8	0.40
Rubber Tired Dozers		247		8	0.40
Rubber Tired Loaders		203		8	0.36
Scrapers		367		8	0.48
Signal Boards		6		8	0.82
Skid Steer Loaders		65		8	0.37
Surfacing Equipment		263		8	0.30
Sweepers/Scrubbers		64		8	0.46
Tractors/Loaders/Backhoes		97		8	0.37
Trenchers		78		8	0.50
Welders		46		8	0.45

END OF DATA ENTRY SHEET

N2O	Hot Soak (g/trip)				ROG	Evaporative Running Loss (g/trip)				ROG	Evaporative Running Loss (g/trip)			
	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving		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	-	-	-	-
0.0389	-	-	-	-	0.1981	-	-	-	-	0.6528	-	-	-	-
0.0370	-	-	-	-	0.1876	-	-	-	-	0.6199	-	-	-	-
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	-

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 Ti

Year	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
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 Ti																				
Year	PM2.5 (g/mi)				ROG	CO	NOx (g/mi)				PM10 (g/mi)				PM2.5 (g/mi)					
	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage			Weighted - Paving	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	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 Ti

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 Tr																				
Year	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
											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)																				
Year	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
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

Year	Tire Wear (g/mi)																Break We				
	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

Year (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	-

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	-	-	-	-
3.3520	-	-	-	-	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
PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1608	-	-	-	-	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	Sox
	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage		Weighted - Paving	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage
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	-	-	-	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	CH4				N2O	N2O			
	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
0.170	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
3.6230	-	-	-	-	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	-	-

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	-	-	-	-
0.0310	-	-	-	-	0.0043	-	-	-	-
0.0230	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	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	-	-	1.0350	-	0.2720	-	-	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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-

CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.4690	-	-	-	-	4.1910	-	-	-	-
3.4690	-	-	-	-	4.1680	-	-	-	-
3.4690	-	-	-	-	4.1530	-	-	-	-
3.4690	-	-	-	-	4.1450	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4690	-	-	-	-	4.1420	-	-	-	-
3.4700	-	-	-	-	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	-	-	-	-
3.4690	-	-	-	-	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	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
568.2990	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	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	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	568.2990	-	0.0080	-	-	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	-	-	568.2990	-	0.0080	-	-	0.0080	-

Concrete/Industrial Saws	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	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	-
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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
0.0170	-	-	-	-	0.0043	-	-	-	-
-	-	-	0.0180	-	-	-	-	0.0043	-

Cranes	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	-	-	-	-
0.1529	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	-	-	-	-
0.0200	-	-	-	-	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	-

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	-	-	-	-
0.0240	-	-	-	-	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	-	-	0.0220	-	0.0043	-	-	0.0043	-

Excavators	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	-	-	-	-
0.1527	-	-	-	-	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	-	-	-	-
-	-	-	0.0170	-	-	-	-	0.0043	-

Forklifts	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
	-	-	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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-

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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
0.0650	-	-	-	-	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	-	-	-	-
0.0330	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
0.0130	-	-	-	-	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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-	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	-	-	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	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	-	-	-	-
0.0140	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
568.3000	-	-	-	-	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
0.1520	-	-	-	-	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	-	-	-	-
	-	-	0.0250	-		-	-	0.0043	-

Other Material Handling Equipment	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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 - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
-	-	-	0.0170	-	-	-	-	0.0043	-

Pavers	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
0.0430	-	-	-	-	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	-	-	-	-
0.0220	-	-	-	-	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	-	-	-	-
0.0746	-	-	-	-	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	-	-	-	-
0.0400	-	-	-	-	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	-	-	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	-	-	-	-
0.1522	-	-	-	-	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	-	-	-	-
0.1522	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
3.4690	-	-	-	-	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	-	-	-	-
3.4690	-	-	3.4700	-	-	-	-	4.1420	-

Pressure Washers	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
3.4700	-	-	-	-	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	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.3000	-	-	-	-	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	-	-	-	-
568.2990	-	-	568.3000	-	0.0080	-	-	0.0080	-

CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	0.0530	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
568.2990	-	-	-	-	0.0060	-	-	-	-
568.3000	-	-	-	-	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	-	-	-	-
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	-	-	-	-	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	-	-	-	-	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	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	-	-	0.0060	-	-	-	-
568.2990	-	-	568.2990	-	0.0060	-	-	0.0060	-

CH4	Weighted				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
3.6290	-	-	-	-	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	-	-	-	-
0.1533	-	-	-	-	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	-	-	-	-
0.0230	-	-	-	-	0.0043	-	-	-	-
0.0210	-	-	-	-	0.0043	-	-	-	-
-	-	-	0.0230	-	-	-	-	0.0043	-

Rough Terrain Forklifts	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-	1.5300	-	-	-	-
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	-	-	-	-
0.1530	-	-	-	-	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	-	-	0.0230	-	0.0043	-	-	0.0043	-

Rubber Tired Dozers	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
0.0460	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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 - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
0.0200	-	-	-	-	0.0043	-	-	-	-
0.0180	-	-	-	-	0.0043	-	-	-	-
-	-	-	0.0200	-	-	-	-	0.0043	-

Signal Boards	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
3.4700	-	-	-	-	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	-

PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	0.1610	-	0.1610	-	-	0.1610	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
0.1610	-	-	-	-	0.1610	-	-	-	-
	-	-	0.1610	-		-	-	0.1610	-

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	-	-	-	-
568.3000	-	-	-	-	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	-	-	568.2990	-	0.0080	-	-	0.0080	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	-	-	0.0080	-	-	-	-
568.2990	-	-	568.2990	-	0.0080	-	-	0.0080	-
	-	-	568.2990	-		-	-	0.0080	-

Skid Steer Loaders	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	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	-	-	-	-
0.0140	-	-	-	-	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				N2O	Weighted			
	-	- Grading	- Drainage	- Paving		-	- Grading	- Drainage	- 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	-	-	-	-
0.1529	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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 - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-	-	-	-
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	-	-	-	-
0.1533	-	-	-	-	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	-	-	-	-
	-	-	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	-	-	-	-
568.3000	-	-	-	-	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	-	-	-	-
0.0360	-	-	-	-	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	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - 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	-

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

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

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.

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										
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		0.513	3.663	5.131	0.005	0.382	0.352	511.306	0.151	0.004
Excavators	120									
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										
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										
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										
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										
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										
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

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	0.101	0.101	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										
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										
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										
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										
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										
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										
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										
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										
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

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 Compressors	15	0.766	3.580	4.762	0.008	0.256	0.256	568.299	0.069	0.005
Air Compressors	25	0.807	2.531	4.661	0.007	0.232	0.232	568.300	0.072	0.005
Air Compressors	50	1.300	5.439	4.707	0.007	0.329	0.329	568.299	0.117	0.005
Air Compressors	120	0.603	3.744	4.050	0.006	0.304	0.304	568.300	0.054	0.004
Air Compressors	175	0.435	3.205	3.228	0.006	0.170	0.170	568.299	0.039	0.004
Air Compressors	250	0.321	1.146	2.797	0.006	0.087	0.087	568.300	0.029	0.004
Air Compressors	500	0.307	1.101	2.465	0.005	0.083	0.083	568.299	0.027	0.004
Air Compressors	750	0.309	1.101	2.533	0.005	0.084	0.084	568.299	0.027	0.004
Air Compressors	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/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	1.032	4.766	4.492	0.007	0.277	0.277	568.299	0.093	0.005
Concrete/Industrial Saws	120	0.498	3.571	3.754	0.006	0.256	0.256	568.299	0.044	0.004
Concrete/Industrial 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/Proc. Equipment	50	1.225	5.461	4.657	0.007	0.310	0.310	568.299	0.110	0.005
Crushing/Proc. Equipment	120	0.580	3.763	3.881	0.006	0.284	0.284	568.299	0.052	0.004
Crushing/Proc. Equipment	175	0.427	3.234	3.049	0.006	0.161	0.161	568.299	0.038	0.004
Crushing/Proc. Equipment	250	0.322	1.146	2.622	0.006	0.083	0.083	568.299	0.029	0.004
Crushing/Proc. Equipment	500	0.309	1.099	2.312	0.005	0.079	0.079	568.299	0.027	0.004
Crushing/Proc. Equipment	750	0.308	1.097	2.358	0.005	0.079	0.079	568.299	0.027	0.004
Crushing/Proc. Equipment	9999	0.361	1.198	4.168	0.005	0.107	0.107	568.299	0.032	0.004
Dumpers/Trailers	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/Scrubbers	15	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/Scrubbers	25	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/Scrubbers	50	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/Scrubbers	120	0.600	3.882	5.136	0.005	0.428	0.394	492.554	0.153	0.004
Sweepers/Scrubbers	175	0.589	3.588	6.071	0.005	0.320	0.294	491.521	0.153	0.004
Sweepers/Scrubbers	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										
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

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 Compressors	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Air Compressors	25	0.769	2.473	4.538	0.007	0.212	0.212	568.300	0.069	0.005
Air Compressors	50	1.001	5.164	4.397	0.007	0.250	0.250	568.299	0.090	0.005
Air Compressors	120	0.489	3.698	3.400	0.006	0.224	0.224	568.299	0.044	0.004
Air Compressors	175	0.374	3.203	2.558	0.006	0.133	0.133	568.299	0.033	0.004
Air Compressors	250	0.288	1.121	2.172	0.006	0.069	0.069	568.299	0.026	0.004
Air Compressors	500	0.279	1.076	1.935	0.005	0.067	0.067	568.299	0.025	0.004
Air Compressors	750	0.280	1.076	1.982	0.005	0.067	0.067	568.299	0.025	0.004
Air Compressors	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/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	0.798	4.552	4.196	0.007	0.212	0.212	568.299	0.072	0.005
Concrete/Industrial Saws	120	0.401	3.535	3.163	0.006	0.190	0.190	568.299	0.036	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.947	5.211	4.347	0.007	0.233	0.233	568.299	0.085	0.005
Crushing/Proc. Equipment	120	0.473	3.722	3.249	0.006	0.206	0.206	568.299	0.042	0.004
Crushing/Proc. Equipment	175	0.367	3.234	2.392	0.006	0.124	0.124	568.299	0.033	0.004
Crushing/Proc. Equipment	250	0.289	1.125	2.014	0.006	0.065	0.065	568.299	0.026	0.004
Crushing/Proc. Equipment	500	0.281	1.078	1.799	0.005	0.063	0.063	568.299	0.025	0.004
Crushing/Proc. Equipment	750	0.281	1.077	1.835	0.005	0.063	0.063	568.299	0.025	0.004
Crushing/Proc. Equipment	9999	0.329	1.153	3.699	0.005	0.089	0.089	568.299	0.029	0.004
Dumpers/Trailers	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/Scrubbers	15	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/Scrubbers	25	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/Scrubbers	50	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.520	3.828	4.482	0.005	0.360	0.331	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.462	3.359	4.608	0.005	0.237	0.218	473.122	0.153	0.004
Sweepers/Scrubbers	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

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 Compressors	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Air Compressors	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Air Compressors	50	0.887	5.021	4.221	0.007	0.212	0.212	568.299	0.080	0.005
Air Compressors	120	0.442	3.670	3.083	0.006	0.190	0.190	568.299	0.039	0.004
Air Compressors	175	0.343	3.192	2.218	0.006	0.115	0.115	568.299	0.030	0.004
Air Compressors	250	0.268	1.108	1.859	0.006	0.060	0.060	568.299	0.024	0.004
Air Compressors	500	0.261	1.064	1.663	0.005	0.058	0.058	568.299	0.023	0.004
Air Compressors	750	0.262	1.064	1.699	0.005	0.058	0.058	568.299	0.023	0.004
Air Compressors	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/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	0.722	4.481	4.063	0.007	0.184	0.184	568.300	0.065	0.005
Concrete/Industrial Saws	120	0.369	3.523	2.913	0.006	0.166	0.166	568.299	0.033	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.862	5.136	4.211	0.007	0.201	0.201	568.299	0.077	0.005
Crushing/Proc. Equipment	120	0.438	3.711	2.989	0.006	0.178	0.178	568.299	0.039	0.004
Crushing/Proc. Equipment	175	0.344	3.235	2.114	0.006	0.109	0.109	568.299	0.031	0.004
Crushing/Proc. Equipment	250	0.274	1.119	1.756	0.006	0.057	0.057	568.299	0.024	0.004
Crushing/Proc. Equipment	500	0.268	1.072	1.574	0.005	0.055	0.055	568.300	0.024	0.004
Crushing/Proc. Equipment	750	0.268	1.072	1.606	0.005	0.055	0.055	568.299	0.024	0.004
Crushing/Proc. Equipment	9999	0.314	1.136	3.487	0.005	0.080	0.080	568.299	0.028	0.004
Dumpers/Trailers	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/Scrubbers	15	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/Scrubbers	25	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/Scrubbers	50	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.440	3.757	3.962	0.005	0.291	0.268	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.385	3.247	3.707	0.005	0.187	0.172	473.122	0.153	0.004
Sweepers/Scrubbers	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

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 Compressors	15	0.707	3.519	4.408	0.008	0.203	0.203	568.299	0.063	0.005
Air Compressors	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Air Compressors	50	0.814	4.959	4.093	0.007	0.183	0.183	568.299	0.073	0.005
Air Compressors	120	0.413	3.662	2.844	0.006	0.165	0.165	568.299	0.037	0.004
Air Compressors	175	0.322	3.194	1.959	0.006	0.101	0.101	568.299	0.029	0.004
Air Compressors	250	0.255	1.102	1.617	0.006	0.052	0.052	568.300	0.023	0.004
Air Compressors	500	0.249	1.059	1.472	0.005	0.051	0.051	568.299	0.022	0.004
Air Compressors	750	0.250	1.059	1.502	0.005	0.051	0.051	568.299	0.022	0.004
Air Compressors	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/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	0.660	4.422	3.936	0.007	0.158	0.158	568.300	0.059	0.005
Concrete/Industrial Saws	120	0.343	3.514	2.686	0.006	0.144	0.144	568.299	0.031	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.795	5.081	4.083	0.007	0.172	0.172	568.299	0.071	0.005
Crushing/Proc. Equipment	120	0.410	3.704	2.758	0.006	0.154	0.154	568.299	0.037	0.004
Crushing/Proc. Equipment	175	0.323	3.237	1.861	0.006	0.095	0.095	568.299	0.029	0.004
Crushing/Proc. Equipment	250	0.260	1.114	1.521	0.006	0.050	0.050	568.299	0.023	0.004
Crushing/Proc. Equipment	500	0.255	1.067	1.389	0.005	0.048	0.048	568.299	0.023	0.004
Crushing/Proc. Equipment	750	0.256	1.067	1.416	0.005	0.048	0.048	568.299	0.023	0.004
Crushing/Proc. Equipment	9999	0.300	1.121	3.310	0.005	0.073	0.073	568.299	0.027	0.004
Dumpers/Trailers	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/Scrubbers	15	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/Scrubbers	25	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/Scrubbers	50	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.372	3.692	3.472	0.005	0.232	0.214	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.321	3.222	3.002	0.005	0.145	0.133	473.122	0.153	0.004
Sweepers/Scrubbers	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

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/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	0.606	4.372	3.815	0.007	0.134	0.134	568.299	0.054	0.005
Concrete/Industrial Saws	120	0.320	3.507	2.478	0.006	0.123	0.123	568.300	0.028	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.739	5.039	3.962	0.007	0.146	0.146	568.299	0.066	0.005
Crushing/Proc. Equipment	120	0.385	3.700	2.552	0.006	0.132	0.132	568.299	0.034	0.004
Crushing/Proc. Equipment	175	0.304	3.240	1.654	0.006	0.083	0.083	568.299	0.027	0.004
Crushing/Proc. Equipment	250	0.248	1.111	1.330	0.006	0.043	0.043	568.299	0.022	0.004
Crushing/Proc. Equipment	500	0.244	1.064	1.227	0.005	0.042	0.042	568.299	0.022	0.004
Crushing/Proc. Equipment	750	0.244	1.065	1.251	0.005	0.042	0.042	568.300	0.022	0.004
Crushing/Proc. Equipment	9999	0.287	1.107	3.160	0.005	0.066	0.066	568.299	0.025	0.004
Dumpers/Trailers	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/Scrubbers	15	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.351	3.695	3.285	0.005	0.210	0.193	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.292	3.223	2.609	0.005	0.126	0.116	473.122	0.153	0.004
Sweepers/Scrubbers	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

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 Compressors	15	0.690	3.499	4.316	0.008	0.188	0.188	568.300	0.062	0.005
Air Compressors	25	0.718	2.390	4.426	0.007	0.181	0.181	568.300	0.064	0.005
Air Compressors	50	0.702	4.880	3.864	0.007	0.135	0.135	568.299	0.063	0.005
Air Compressors	120	0.365	3.655	2.461	0.006	0.123	0.123	568.299	0.032	0.004
Air Compressors	175	0.286	3.202	1.561	0.006	0.077	0.077	568.299	0.025	0.004
Air Compressors	250	0.232	1.096	1.247	0.006	0.039	0.039	568.299	0.020	0.004
Air Compressors	500	0.228	1.053	1.148	0.005	0.038	0.038	568.299	0.020	0.004
Air Compressors	750	0.228	1.053	1.171	0.005	0.038	0.038	568.299	0.020	0.004
Air Compressors	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/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	0.561	4.330	3.701	0.007	0.115	0.115	568.300	0.050	0.005
Concrete/Industrial Saws	120	0.300	3.500	2.315	0.006	0.106	0.106	568.299	0.027	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.694	5.008	3.850	0.007	0.125	0.125	568.299	0.062	0.005
Crushing/Proc. Equipment	120	0.364	3.697	2.389	0.006	0.112	0.112	568.299	0.032	0.004
Crushing/Proc. Equipment	175	0.287	3.243	1.472	0.006	0.071	0.071	568.299	0.025	0.004
Crushing/Proc. Equipment	250	0.236	1.109	1.165	0.006	0.036	0.036	568.299	0.021	0.004
Crushing/Proc. Equipment	500	0.232	1.062	1.077	0.005	0.035	0.035	568.299	0.021	0.004
Crushing/Proc. Equipment	750	0.233	1.063	1.098	0.005	0.036	0.036	568.299	0.021	0.004
Crushing/Proc. Equipment	9999	0.274	1.096	3.029	0.005	0.059	0.059	568.299	0.024	0.004
Dumpers/Trailers	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

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 Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	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/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	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Trailers	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

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 Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	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/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	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Trailers	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

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 Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	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/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	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Trailers	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

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 Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	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/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	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Trailers	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 Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	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/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	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Trailers	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 Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	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/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	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Trailers	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 Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	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/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	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Trailers	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 Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	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/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	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Trailers	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 Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	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/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	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Trailers	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 Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	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/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	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Trailers	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/S crubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/S crubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/S crubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/S crubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/S crubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/S crubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loa ders/Backho es	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loa ders/Backho es	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loa ders/Backho es	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loa ders/Backho es	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loa ders/Backho es	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loa ders/Backho es	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loa ders/Backho es	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 Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	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/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	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial 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/Processing Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Processing Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Processing Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Processing Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Processing Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Processing Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Processing Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Trailers	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/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	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Trailers	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/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	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Trailers	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 Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	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/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	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Trailers	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 Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	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/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	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Trailers	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 Compressors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Air Compressors	50	0.458	4.659	3.159	0.007	0.016	0.016	568.300	0.041	0.005
Air Compressors	120	0.232	3.619	1.468	0.006	0.015	0.015	568.299	0.020	0.004
Air Compressors	175	0.161	3.201	0.307	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	250	0.160	1.090	0.291	0.006	0.010	0.010	568.299	0.014	0.004
Air Compressors	500	0.160	1.047	0.291	0.005	0.010	0.010	568.300	0.014	0.004
Air Compressors	750	0.160	1.047	0.291	0.005	0.010	0.010	568.299	0.014	0.004
Air Compressors	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/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	0.373	4.175	3.058	0.007	0.014	0.014	568.299	0.033	0.005
Concrete/Industrial Saws	120	0.195	3.477	1.434	0.006	0.013	0.013	568.299	0.017	0.004
Concrete/Industrial 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/Proc. Equipment	50	0.488	4.833	3.194	0.007	0.017	0.017	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.245	3.670	1.477	0.006	0.015	0.015	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.170	3.246	0.306	0.006	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.168	1.106	0.292	0.006	0.011	0.011	568.299	0.015	0.004
Crushing/Proc. Equipment	500	0.168	1.059	0.292	0.005	0.011	0.011	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.169	1.059	0.292	0.005	0.011	0.011	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.170	1.059	2.457	0.005	0.024	0.024	568.299	0.015	0.004
Dumpers/Trailers	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>
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
Global Warming Potential of N ₂ O	298	N/A

Source

<http://www.arb.ca.gov/cc/inventory/background/gwp.htm><http://www.arb.ca.gov/cc/inventory/background/gwp.htm>

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

Cal Poly Master Plan Operation
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	1,082.60	1000sqft	24.85	1,082,600.00	0
Medical Office Building	65.00	1000sqft	1.49	65,000.00	0
Office Park	125.00	1000sqft	2.87	125,000.00	0
Library	114.30	1000sqft	2.62	114,300.00	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	69.70	Acre	69.70	3,036,132.00	0
Health Club	14.80	1000sqft	0.34	14,800.00	0
Apartments Mid Rise	2,600.00	Dwelling Unit	68.42	2,600,000.00	7200
Congregate Care (Assisted Living)	80.00	Dwelling Unit	5.00	80,000.00	80
Retirement Community	120.00	Dwelling Unit	24.00	120,000.00	144
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/MWhr)	118.56	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.002

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E intensity factors adjusted for 2030 RPS compliance (60%)

Land Use - See appendix for land use assumption details

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Trips and VMT - Operation only

Grading -

Architectural Coating - Operation only

Vehicle Trips - Mobile source modeled separately

Consumer Products -

Area Coating -

Landscape Equipment -

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.

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	830,332.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,490,996.00	0.00
tblArchitecturalCoating	ConstArea_Parking	16,944.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,890,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	5,670,000.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	180.00	0.00
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	6.11	4.28
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	1.48	1.04

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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	16.31	11.42
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	19.71	13.98
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	21.04	14.73
tblEnergyUse	T24NG	7,043.85	4,930.69
tblLandUse	Population	7,436.00	7,200.00
tblLandUse	Population	229.00	80.00
tblLandUse	Population	343.00	144.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	118.56
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblSolidWaste	SolidWasteGenerationRate	1,196.00	1,094.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	5.99	0.00
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	209.81	0.00
tblSolidWaste	SolidWasteGenerationRate	1,006.82	0.00
tblSolidWaste	SolidWasteGenerationRate	84.36	0.00
tblSolidWaste	SolidWasteGenerationRate	105.26	0.00
tblSolidWaste	SolidWasteGenerationRate	702.00	0.00
tblSolidWaste	SolidWasteGenerationRate	116.25	0.00
tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblTripsAndVMT	VendorTripNumber	1,115.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,979.00	0.00
tblTripsAndVMT	WorkerTripNumber	796.00	0.00

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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	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	46.55	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	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.49	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

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tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	56.24	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	169,400,466.62	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	39,127,500.00	0.00
tblWater	IndoorWaterUseRate	192,414,555.58	0.00
tblWater	IndoorWaterUseRate	875,318.53	0.00
tblWater	IndoorWaterUseRate	3,576,322.23	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	106,795,946.34	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	83,046,250.07	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	117,931,501.81	0.00
tblWater	OutdoorWaterUseRate	536,485.55	0.00
tblWater	OutdoorWaterUseRate	5,593,734.77	0.00
tblWater	OutdoorWaterUseRate	1,553,568.56	0.00

Cal Poly Master Plan Operation - 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	137.1959	2.6579	230.4307	0.0122		1.2819	1.2819		1.2819	1.2819	0.0000	416.4620	416.4620	0.3973	0.0000	426.3941
Energy	1.2579	11.1174	7.2755	0.0686		0.8691	0.8691		0.8691	0.8691		13,722.0853	13,722.0853	0.2630	0.2516	13,803.6288
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	138.4538	13.7753	237.7062	0.0808	0.0000	2.1510	2.1510	0.0000	2.1510	2.1510	0.0000	14,138.5473	14,138.5473	0.6603	0.2516	14,230.0229

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	99.1572	2.1143	175.0256	7.9200e-003		0.9561	0.9561		0.9561	0.9561	0.0000	291.3375	291.3375	0.2079	0.0000	296.5358
Energy	0.9820	8.6625	5.5550	0.0536		0.6785	0.6785		0.6785	0.6785		10,713.0716	10,713.0716	0.2053	0.1964	10,776.7340
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	100.1392	10.7768	180.5805	0.0615	0.0000	1.6346	1.6346	0.0000	1.6346	1.6346	0.0000	11,004.4091	11,004.4091	0.4133	0.1964	11,073.2698

Cal Poly Master Plan Operation - 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	27.67	21.77	24.03	23.93	0.00	24.01	24.01	0.00	24.01	24.01	0.00	22.17	22.17	37.41	21.93	22.18

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	7/9/2019	7/8/2019	5	0	
2	Site Preparation	Site Preparation	9/1/2020	8/31/2020	5	0	
3	Grading	Grading	5/11/2021	5/10/2021	5	0	
4	Building Construction	Building Construction	2/21/2023	2/20/2023	5	0	
5	Architectural Coating	Architectural Coating	3/25/2023	3/24/2023	5	0	
6	Paving	Paving	12/18/2023	12/17/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.35

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Cal Poly Master Plan Operation - 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	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

Trips and VMT

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

3.7 Paving - 2023

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	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	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	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	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Cal Poly Master Plan Operation - 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	0.0000	0.0000	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 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		
Library	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

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

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	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 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
Library	13.00	5.00	5.00	52.00	43.00	5.00	44	44	12
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

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

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 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
Library	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

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

Cal Poly Master Plan Operation - 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					
NaturalGas Mitigated	0.9820	8.6625	5.5550	0.0536		0.6785	0.6785		0.6785	0.6785		10,713.07 16	10,713.07 16	0.2053	0.1964	10,776.73 40
NaturalGas Unmitigated	1.2579	11.1174	7.2755	0.0686		0.8691	0.8691		0.8691	0.8691		13,722.08 53	13,722.08 53	0.2630	0.2516	13,803.62 88

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

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	49821.1	0.5373	4.5914	1.9538	0.0293		0.3712	0.3712		0.3712	0.3712		5,861.3009	5,861.3009	0.1123	0.1075	5,896.1317
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 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	34050	0.3672	3.3382	2.8041	0.0200		0.2537	0.2537		0.2537	0.2537		4,005.8817	4,005.8817	0.0768	0.0734	4,029.6867
Health Club	830.016	8.9500e-003	0.0814	0.0684	4.9000e-004		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003		97.6490	97.6490	1.8700e-003	1.7900e-003	98.2293
Library	6466.56	0.0697	0.6340	0.5325	3.8000e-003		0.0482	0.0482		0.0482	0.0482		760.7720	760.7720	0.0146	0.0140	765.2929
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	2658.31	0.0287	0.2450	0.1043	1.5600e-003		0.0198	0.0198		0.0198	0.0198		312.7422	312.7422	5.9900e-003	5.7300e-003	314.6007
Unenclosed Parking with Elevator	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		1.2579	11.1173	7.2755	0.0686		0.8691	0.8691		0.8691	0.8691		13,722.0853	13,722.0853	0.2630	0.2516	13,803.6288

Cal Poly Master Plan Operation - 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					
Apartments Mid Rise	41.6169	0.4488	3.8353	1.6320	0.0245		0.3101	0.3101		0.3101	0.3101		4,896.1097	4,896.1097	0.0938	0.0898	4,925.2048
Arena	3.70284	0.0399	0.3630	0.3049	2.1800e-003		0.0276	0.0276		0.0276	0.0276		435.6281	435.6281	8.3500e-003	7.9900e-003	438.2168
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)	1.28052	0.0138	0.1180	0.0502	7.5000e-004		9.5400e-003	9.5400e-003		9.5400e-003	9.5400e-003		150.6495	150.6495	2.8900e-003	2.7600e-003	151.5448
Convenience Market (24 Hour)	0.0222849	2.4000e-004	2.1800e-003	1.8400e-003	1.0000e-005		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004		2.6218	2.6218	5.0000e-005	5.0000e-005	2.6373
General Light Industry	7.56996	0.0816	0.7422	0.6234	4.4500e-003		0.0564	0.0564		0.0564	0.0564		890.5837	890.5837	0.0171	0.0163	895.8760
General Office Building	23.8884	0.2576	2.3420	1.9673	0.0141		0.1780	0.1780		0.1780	0.1780		2,810.3982	2,810.3982	0.0539	0.0515	2,827.0990
Health Club	0.662148	7.1400e-003	0.0649	0.0545	3.9000e-004		4.9300e-003	4.9300e-003		4.9300e-003	4.9300e-003		77.8998	77.8998	1.4900e-003	1.4300e-003	78.3627
Library	5.15321	0.0556	0.5052	0.4244	3.0300e-003		0.0384	0.0384		0.0384	0.0384		606.2597	606.2597	0.0116	0.0111	609.8624
Medical Office Building	1.43427	0.0155	0.1406	0.1181	8.4000e-004		0.0107	0.0107		0.0107	0.0107		168.7381	168.7381	3.2300e-003	3.0900e-003	169.7408
Office Park	3.55856	0.0384	0.3489	0.2931	2.0900e-003		0.0265	0.0265		0.0265	0.0265		418.6543	418.6543	8.0200e-003	7.6800e-003	421.1422
Retirement Community	2.17199	0.0234	0.2002	0.0852	1.2800e-003		0.0162	0.0162		0.0162	0.0162		255.5288	255.5288	4.9000e-003	4.6800e-003	257.0472
Unenclosed Parking with Elevator	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		0.9820	8.6625	5.5550	0.0536		0.6785	0.6785		0.6785	0.6785		10,713.0716	10,713.0716	0.2053	0.1964	10,776.7340

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

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
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	99.1572	2.1143	175.0256	7.9200e-003		0.9561	0.9561		0.9561	0.9561	0.0000	291.3375	291.3375	0.2079	0.0000	296.5358
Unmitigated	137.1959	2.6579	230.4307	0.0122		1.2819	1.2819		1.2819	1.2819	0.0000	416.4620	416.4620	0.3973	0.0000	426.3941

Cal Poly Master Plan Operation - 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	34.5768					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	95.7147					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	6.9045	2.6579	230.4307	0.0122		1.2819	1.2819		1.2819	1.2819		416.4620	416.4620	0.3973		426.3941
Total	137.1959	2.6579	230.4307	0.0122		1.2819	1.2819		1.2819	1.2819	0.0000	416.4620	416.4620	0.3973	0.0000	426.3941

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

6.2 Area by SubCategory

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	6.9197					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	88.5776					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	3.6599	2.1143	175.0256	7.9200e-003		0.9561	0.9561		0.9561	0.9561		291.3375	291.3375	0.2079		296.5358
Total	99.1572	2.1143	175.0256	7.9200e-003		0.9561	0.9561		0.9561	0.9561	0.0000	291.3375	291.3375	0.2079	0.0000	296.5358

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

Cal Poly Master Plan Operation - San Luis Obispo County, Summer

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,082.60	1000sqft	24.85	1,082,600.00	0
Medical Office Building	65.00	1000sqft	1.49	65,000.00	0
Office Park	125.00	1000sqft	2.87	125,000.00	0
Library	114.30	1000sqft	2.62	114,300.00	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	69.70	Acre	69.70	3,036,132.00	0
Health Club	14.80	1000sqft	0.34	14,800.00	0
Apartments Mid Rise	2,600.00	Dwelling Unit	68.42	2,600,000.00	7200
Congregate Care (Assisted Living)	80.00	Dwelling Unit	5.00	80,000.00	80
Retirement Community	120.00	Dwelling Unit	24.00	120,000.00	144
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/MWhr)	118.56	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.002

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1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E intensity factors adjusted for 2030 RPS compliance (60%)

Land Use - See appendix for land use assumption details

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Trips and VMT - Operation only

Grading -

Architectural Coating - Operation only

Vehicle Trips - Mobile source modeled separately

Consumer Products -

Area Coating -

Landscape Equipment -

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.

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	830,332.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,490,996.00	0.00
tblArchitecturalCoating	ConstArea_Parking	16,944.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,890,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	5,670,000.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
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tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	180.00	0.00
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	6.11	4.28
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	1.48	1.04

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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	16.31	11.42
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	19.71	13.98
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	21.04	14.73
tblEnergyUse	T24NG	7,043.85	4,930.69
tblLandUse	Population	7,436.00	7,200.00
tblLandUse	Population	229.00	80.00
tblLandUse	Population	343.00	144.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	118.56
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblSolidWaste	SolidWasteGenerationRate	1,196.00	1,094.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	5.99	0.00
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	209.81	0.00
tblSolidWaste	SolidWasteGenerationRate	1,006.82	0.00
tblSolidWaste	SolidWasteGenerationRate	84.36	0.00
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tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblTripsAndVMT	VendorTripNumber	1,115.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,979.00	0.00
tblTripsAndVMT	WorkerTripNumber	796.00	0.00

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tblVehicleTrips	ST_TR	6.39	0.00
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tblVehicleTrips	ST_TR	20.87	0.00
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tblVehicleTrips	SU_TR	5.86	0.00
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tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.49	0.00
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tblVehicleTrips	WD_TR	6.97	0.00
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tblWater	IndoorWaterUseRate	169,400,466.62	130,000,000.00
tblWater	IndoorWaterUseRate	2,557,697.57	0.00
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tblWater	IndoorWaterUseRate	39,127,500.00	0.00
tblWater	IndoorWaterUseRate	192,414,555.58	0.00
tblWater	IndoorWaterUseRate	875,318.53	0.00
tblWater	IndoorWaterUseRate	3,576,322.23	0.00
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tblWater	IndoorWaterUseRate	22,216,718.50	0.00
tblWater	IndoorWaterUseRate	7,818,483.07	0.00
tblWater	OutdoorWaterUseRate	106,795,946.34	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	83,046,250.07	0.00
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tblWater	OutdoorWaterUseRate	317,795.01	0.00
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tblWater	OutdoorWaterUseRate	536,485.55	0.00
tblWater	OutdoorWaterUseRate	5,593,734.77	0.00
tblWater	OutdoorWaterUseRate	1,553,568.56	0.00

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2.1 Overall Construction

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					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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)
		Highest		

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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	24.9174	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250
Energy	0.2296	2.0289	1.3278	0.0125		0.1586	0.1586		0.1586	0.1586	0.0000	4,178.6826	4,178.6826	0.3652	0.0738	4,209.8104
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	25.1470	2.4675	39.3489	0.0145	0.0000	0.3701	0.3701	0.0000	0.3701	0.3701	263.3151	4,278.8499	4,542.1650	17.7912	0.1745	5,038.9393

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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	18.0321	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871
Energy	0.1792	1.5809	1.0138	9.7800e-003		0.1238	0.1238		0.1238	0.1238	0.0000	1,773.6692	1,773.6692	0.0340	0.0325	1,784.2092
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	18.2114	1.9298	29.8930	0.0111	0.0000	0.2816	0.2816	0.0000	0.2816	0.2816	164.0170	1,847.5414	2,011.5583	11.2023	0.1131	2,325.3028

	ROG	NOx	CO	SO2	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	27.58	21.79	24.03	23.73	0.00	23.92	23.92	0.00	23.92	23.92	37.71	56.82	55.71	37.03	35.21	53.85

3.0 Construction Detail

Construction Phase

Cal Poly Master Plan Operation - 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	7/9/2019	7/8/2019	5	0	
2	Site Preparation	Site Preparation	9/1/2020	8/31/2020	5	0	
3	Grading	Grading	5/11/2021	5/10/2021	5	0	
4	Building Construction	Building Construction	2/21/2023	2/20/2023	5	0	
5	Architectural Coating	Architectural Coating	3/25/2023	3/24/2023	5	0	
6	Paving	Paving	12/18/2023	12/17/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.35

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Cal Poly Master Plan Operation - 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	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

Trips and VMT

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

3.7 Paving - 2023

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

Cal Poly Master Plan Operation - 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	0.0000	0.0000	0.0000	0.0000	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 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		
Library	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

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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	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 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
Library	13.00	5.00	5.00	52.00	43.00	5.00	44	44	12
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

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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 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
Library	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

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	1,906.8375	1,906.8375	0.3217	0.0322	1,924.4648
NaturalGas Mitigated	0.1792	1.5809	1.0138	9.7800e-003			0.1238	0.1238		0.1238	0.0000	1,773.6692	1,773.6692	0.0340	0.0325	1,784.2092
NaturalGas Unmitigated	0.2296	2.0289	1.3278	0.0125			0.1586	0.1586		0.1586	0.0000	2,271.8451	2,271.8451	0.0435	0.0417	2,285.3456

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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	1.81847e+007	0.0981	0.8379	0.3566	5.3500e-003		0.0678	0.0678		0.0678	0.0678	0.0000	970.4041	970.4041	0.0186	0.0178	976.1707
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 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	1.24282e+007	0.0670	0.6092	0.5118	3.6600e-003		0.0463	0.0463		0.0463	0.0463	0.0000	663.2186	663.2186	0.0127	0.0122	667.1598
Health Club	302956	1.6300e-003	0.0149	0.0125	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1669	16.1669	3.1000e-004	3.0000e-004	16.2630
Library	2.3603e+006	0.0127	0.1157	0.0972	6.9000e-004		8.7900e-003	8.7900e-003		8.7900e-003	8.7900e-003	0.0000	125.9543	125.9543	2.4100e-003	2.3100e-003	126.7028
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	970283	5.2300e-003	0.0447	0.0190	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.7780	51.7780	9.9000e-004	9.5000e-004	52.0857
Unenclosed Parking with Elevator	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		0.2296	2.0289	1.3278	0.0125		0.1586	0.1586		0.1586	0.1586	0.0000	2,271.845 1	2,271.845 1	0.0435	0.0417	2,285.345 6

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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					
Apartments Mid Rise	1.51902e+007	0.0819	0.6999	0.2979	4.4700e-003		0.0566	0.0566		0.0566	0.0566	0.0000	810.6059	810.6059	0.0155	0.0149	815.4229
Arena	1.35154e+006	7.2900e-003	0.0663	0.0557	4.0000e-004		5.0400e-003	5.0400e-003		5.0400e-003	5.0400e-003	0.0000	72.1231	72.1231	1.3800e-003	1.3200e-003	72.5517
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)	467390	2.5200e-003	0.0215	9.1600e-003	1.4000e-004		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	24.9417	24.9417	4.8000e-004	4.6000e-004	25.0899
Convenience Market (24 Hour)	8134	4.0000e-005	4.0000e-004	3.3000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4341	0.4341	1.0000e-005	1.0000e-005	0.4366
General Light Industry	2.76304e+006	0.0149	0.1354	0.1138	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.4461	147.4461	2.8300e-003	2.7000e-003	148.3223
General Office Building	8.71926e+006	0.0470	0.4274	0.3590	2.5600e-003		0.0325	0.0325		0.0325	0.0325	0.0000	465.2929	465.2929	8.9200e-003	8.5300e-003	468.0579
Health Club	241684	1.3000e-003	0.0119	9.9500e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.8972	12.8972	2.5000e-004	2.4000e-004	12.9738
Library	1.88092e+006	0.0101	0.0922	0.0775	5.5000e-004		7.0100e-003	7.0100e-003		7.0100e-003	7.0100e-003	0.0000	100.3731	100.3731	1.9200e-003	1.8400e-003	100.9696
Medical Office Building	523510	2.8200e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9365	27.9365	5.4000e-004	5.1000e-004	28.1025
Office Park	1.29888e+006	7.0000e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	69.3129	69.3129	1.3300e-003	1.2700e-003	69.7248
Retirement Community	792778	4.2700e-003	0.0365	0.0155	2.3000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	42.3057	42.3057	8.1000e-004	7.8000e-004	42.5571
Unenclosed Parking with Elevator	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		0.1792	1.5809	1.0138	9.7600e-003		0.1238	0.1238		0.1238	0.1238	0.0000	1,773.6692	1,773.6692	0.0340	0.0325	1,784.2092

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.04741e+007	563.2766	0.0950	9.5000e-003	568.4837
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 Light Industry	1.32314e+006	71.1559	0.0120	1.2000e-003	71.8137
General Office Building	1.73216e+007	931.5195	0.1571	0.0157	940.1307
Health Club	115736	6.2240	1.0500e-003	1.0000e-004	6.2816
Library	893826	48.0681	8.1100e-003	8.1000e-004	48.5125
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 Elevator	547856	29.4626	4.9700e-003	5.0000e-004	29.7349
Total		1,906.8375	0.3217	0.0322	1,924.4648

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5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
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 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
Library	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 Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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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
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.0321	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871
Unmitigated	24.9174	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250

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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	6.3103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	17.4679					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	1.1392	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250
Total	24.9174	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

6.2 Area by SubCategory

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	1.2628					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.1654					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	0.6039	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871
Total	18.0321	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871

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

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	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

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

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 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
Library	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 Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		79.0720	4.2424	0.1007	215.1297

Cal Poly Master Plan Operation - 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			
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 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
Library	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 Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		63.2576	3.3940	0.0805	172.1037

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

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

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

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 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
Library	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 Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		222.0721	13.1241	0.0000	550.1743

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

8.2 Waste by Land Use

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 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
Library	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 Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		131.0226	7.7432	0.0000	324.6028

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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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/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

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

2.2 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

3.7 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	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	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	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	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		80,085.2691	80,085.2691	2.0558		80,136.6629
Unmitigated	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

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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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/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

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

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

3.7 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

Mobile Emissions - San Luis Obispo County, Annual

5.2 Energy by Land Use - Natural Gas

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					
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

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
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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
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

Cal Poly Master Plan Operation
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	1,082.60	1000sqft	24.85	1,082,600.00	0
Medical Office Building	65.00	1000sqft	1.49	65,000.00	0
Office Park	125.00	1000sqft	2.87	125,000.00	0
Library	114.30	1000sqft	2.62	114,300.00	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	69.70	Acre	69.70	3,036,132.00	0
Health Club	14.80	1000sqft	0.34	14,800.00	0
Apartments Mid Rise	2,600.00	Dwelling Unit	68.42	2,600,000.00	7200
Congregate Care (Assisted Living)	80.00	Dwelling Unit	5.00	80,000.00	80
Retirement Community	120.00	Dwelling Unit	24.00	120,000.00	144
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/MWhr)	118.56	CH4 Intensity (lb/MWhr)	0.02	N2O Intensity (lb/MWhr)	0.002

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E intensity factors adjusted for 2030 RPS compliance (60%)

Land Use - See appendix for land use assumption details

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Trips and VMT - Operation only

Grading -

Architectural Coating - Operation only

Vehicle Trips - Mobile source modeled separately

Consumer Products -

Area Coating -

Landscape Equipment -

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.

Cal Poly Master Plan Operation - San Luis Obispo County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	830,332.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,490,996.00	0.00
tblArchitecturalCoating	ConstArea_Parking	16,944.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	1,890,000.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	5,670,000.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	50
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	4,650.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	465.00	0.00
tblConstructionPhase	NumDays	330.00	0.00
tblConstructionPhase	NumDays	180.00	0.00
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	6.11	4.28
tblEnergyUse	T24E	1.48	1.04
tblEnergyUse	T24E	1.48	1.04

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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	16.31	11.42
tblEnergyUse	T24NG	19.71	13.80
tblEnergyUse	T24NG	19.71	13.98
tblEnergyUse	T24NG	16.31	11.42
tblEnergyUse	T24NG	21.04	14.73
tblEnergyUse	T24NG	7,043.85	4,930.69
tblLandUse	Population	7,436.00	7,200.00
tblLandUse	Population	229.00	80.00
tblLandUse	Population	343.00	144.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	641.35	118.56
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.002
tblSolidWaste	SolidWasteGenerationRate	1,196.00	1,094.00
tblSolidWaste	SolidWasteGenerationRate	0.16	0.00
tblSolidWaste	SolidWasteGenerationRate	5.99	0.00
tblSolidWaste	SolidWasteGenerationRate	73.00	0.00
tblSolidWaste	SolidWasteGenerationRate	21.04	0.00
tblSolidWaste	SolidWasteGenerationRate	209.81	0.00
tblSolidWaste	SolidWasteGenerationRate	1,006.82	0.00
tblSolidWaste	SolidWasteGenerationRate	84.36	0.00
tblSolidWaste	SolidWasteGenerationRate	105.26	0.00
tblSolidWaste	SolidWasteGenerationRate	702.00	0.00
tblSolidWaste	SolidWasteGenerationRate	116.25	0.00
tblSolidWaste	SolidWasteGenerationRate	55.20	0.00
tblTripsAndVMT	VendorTripNumber	1,115.00	0.00
tblTripsAndVMT	WorkerTripNumber	3,979.00	0.00
tblTripsAndVMT	WorkerTripNumber	796.00	0.00

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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	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	46.55	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	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	25.49	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

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tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	56.24	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	169,400,466.62	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	39,127,500.00	0.00
tblWater	IndoorWaterUseRate	192,414,555.58	0.00
tblWater	IndoorWaterUseRate	875,318.53	0.00
tblWater	IndoorWaterUseRate	3,576,322.23	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	106,795,946.34	0.00
tblWater	OutdoorWaterUseRate	163,257.29	0.00
tblWater	OutdoorWaterUseRate	83,046,250.07	0.00
tblWater	OutdoorWaterUseRate	3,286,029.12	0.00
tblWater	OutdoorWaterUseRate	317,795.01	0.00
tblWater	OutdoorWaterUseRate	117,931,501.81	0.00
tblWater	OutdoorWaterUseRate	536,485.55	0.00
tblWater	OutdoorWaterUseRate	5,593,734.77	0.00
tblWater	OutdoorWaterUseRate	1,553,568.56	0.00

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2.1 Overall Construction

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					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	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)
		Highest		

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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	24.9174	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250
Energy	0.2296	2.0289	1.3278	0.0125		0.1586	0.1586		0.1586	0.1586	0.0000	4,178.6826	4,178.6826	0.3652	0.0738	4,209.8104
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	25.1470	2.4675	39.3489	0.0145	0.0000	0.3701	0.3701	0.0000	0.3701	0.3701	263.3151	4,278.8499	4,542.1650	17.7912	0.1745	5,038.9393

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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	18.0321	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871
Energy	0.1792	1.5809	1.0138	9.7800e-003		0.1238	0.1238		0.1238	0.1238	0.0000	3,558.9553	3,558.9553	0.3352	0.0626	3,585.9990
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	18.2114	1.9298	29.8930	0.0111	0.0000	0.2816	0.2816	0.0000	0.2816	0.2816	164.0170	3,632.8275	3,796.8444	11.5034	0.1432	4,127.0926

	ROG	NOx	CO	SO2	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	27.58	21.79	24.03	23.73	0.00	23.92	23.92	0.00	23.92	23.92	37.71	15.10	16.41	35.34	17.95	18.10

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	7/9/2019	7/8/2019	5	0	
2	Site Preparation	Site Preparation	9/1/2020	8/31/2020	5	0	
3	Grading	Grading	5/11/2021	5/10/2021	5	0	
4	Building Construction	Building Construction	2/21/2023	2/20/2023	5	0	
5	Architectural Coating	Architectural Coating	3/25/2023	3/24/2023	5	0	
6	Paving	Paving	12/18/2023	12/17/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 6.35

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38

Trips and VMT

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3.7 Paving - 2023

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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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 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		
Library	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

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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	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 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
Library	13.00	5.00	5.00	52.00	43.00	5.00	44	44	12
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

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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 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
Library	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

Exceed Title 24

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,785.2861	1,785.2861	0.3012	0.0301	1,801.7898
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	1,906.8375	1,906.8375	0.3217	0.0322	1,924.4648
NaturalGas Mitigated	0.1792	1.5809	1.0138	9.7800e-003			0.1238	0.1238		0.1238	0.1238	1,773.6692	1,773.6692	0.0340	0.0325	1,784.2092
NaturalGas Unmitigated	0.2296	2.0289	1.3278	0.0125			0.1586	0.1586		0.1586	0.1586	2,271.8451	2,271.8451	0.0435	0.0417	2,285.3456

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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	1.81847e+007	0.0981	0.8379	0.3566	5.3500e-003		0.0678	0.0678		0.0678	0.0678	0.0000	970.4041	970.4041	0.0186	0.0178	976.1707
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 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	1.24282e+007	0.0670	0.6092	0.5118	3.6600e-003		0.0463	0.0463		0.0463	0.0463	0.0000	663.2186	663.2186	0.0127	0.0122	667.1598
Health Club	302956	1.6300e-003	0.0149	0.0125	9.0000e-005		1.1300e-003	1.1300e-003		1.1300e-003	1.1300e-003	0.0000	16.1669	16.1669	3.1000e-004	3.0000e-004	16.2630
Library	2.3603e+006	0.0127	0.1157	0.0972	6.9000e-004		8.7900e-003	8.7900e-003		8.7900e-003	8.7900e-003	0.0000	125.9543	125.9543	2.4100e-003	2.3100e-003	126.7028
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	970283	5.2300e-003	0.0447	0.0190	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.7780	51.7780	9.9000e-004	9.5000e-004	52.0857
Unenclosed Parking with Elevator	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		0.2296	2.0289	1.3278	0.0125		0.1586	0.1586		0.1586	0.1586	0.0000	2,271.8451	2,271.8451	0.0435	0.0417	2,285.3456

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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					
Apartments Mid Rise	1.51902e+007	0.0819	0.6999	0.2979	4.4700e-003		0.0566	0.0566		0.0566	0.0566	0.0000	810.6059	810.6059	0.0155	0.0149	815.4229
Arena	1.35154e+006	7.2900e-003	0.0663	0.0557	4.0000e-004		5.0400e-003	5.0400e-003		5.0400e-003	5.0400e-003	0.0000	72.1231	72.1231	1.3800e-003	1.3200e-003	72.5517
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)	467390	2.5200e-003	0.0215	9.1600e-003	1.4000e-004		1.7400e-003	1.7400e-003		1.7400e-003	1.7400e-003	0.0000	24.9417	24.9417	4.8000e-004	4.6000e-004	25.0899
Convenience Market (24 Hour)	8134	4.0000e-005	4.0000e-004	3.3000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4341	0.4341	1.0000e-005	1.0000e-005	0.4366
General Light Industry	2.76304e+006	0.0149	0.1354	0.1138	8.1000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	147.4461	147.4461	2.8300e-003	2.7000e-003	148.3223
General Office Building	8.71926e+006	0.0470	0.4274	0.3590	2.5600e-003		0.0325	0.0325		0.0325	0.0325	0.0000	465.2929	465.2929	8.9200e-003	8.5300e-003	468.0579
Health Club	241684	1.3000e-003	0.0119	9.9500e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.8972	12.8972	2.5000e-004	2.4000e-004	12.9738
Library	1.88092e+006	0.0101	0.0922	0.0775	5.5000e-004		7.0100e-003	7.0100e-003		7.0100e-003	7.0100e-003	0.0000	100.3731	100.3731	1.9200e-003	1.8400e-003	100.9696
Medical Office Building	523510	2.8200e-003	0.0257	0.0216	1.5000e-004		1.9500e-003	1.9500e-003		1.9500e-003	1.9500e-003	0.0000	27.9365	27.9365	5.4000e-004	5.1000e-004	28.1025
Office Park	1.29888e+006	7.0000e-003	0.0637	0.0535	3.8000e-004		4.8400e-003	4.8400e-003		4.8400e-003	4.8400e-003	0.0000	69.3129	69.3129	1.3300e-003	1.2700e-003	69.7248
Retirement Community	792778	4.2700e-003	0.0365	0.0155	2.3000e-004		2.9500e-003	2.9500e-003		2.9500e-003	2.9500e-003	0.0000	42.3057	42.3057	8.1000e-004	7.8000e-004	42.5571
Unenclosed Parking with Elevator	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		0.1792	1.5809	1.0138	9.7600e-003		0.1238	0.1238		0.1238	0.1238	0.0000	1,773.6692	1,773.6692	0.0340	0.0325	1,784.2092

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.04741e+007	563.2766	0.0950	9.5000e-003	568.4837
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 Light Industry	1.32314e+006	71.1559	0.0120	1.2000e-003	71.8137
General Office Building	1.73216e+007	931.5195	0.1571	0.0157	940.1307
Health Club	115736	6.2240	1.0500e-003	1.0000e-004	6.2816
Library	893826	48.0681	8.1100e-003	8.1000e-004	48.5125
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 Elevator	547856	29.4626	4.9700e-003	5.0000e-004	29.7349
Total		1,906.8375	0.3217	0.0322	1,924.4648

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.00164e+007	538.6610	0.0909	9.0900e-003	543.6405
Arena	621392	33.4172	5.6400e-003	5.6000e-004	33.7261
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	316690	17.0309	2.8700e-003	2.9000e-004	17.1883
Convenience Market (24 Hour)	64967	3.4938	5.9000e-004	6.0000e-005	3.5261
General Light Industry	1.27035e+006	68.3170	0.0115	1.1500e-003	68.9485
General Office Building	1.59315e+007	856.7650	0.1445	0.0145	864.6852
Health Club	111118	5.9757	1.0100e-003	1.0000e-004	6.0310
Library	858164	46.1503	7.7900e-003	7.8000e-004	46.5769
Medical Office Building	956540	51.4407	8.6800e-003	8.7000e-004	51.9163
Office Park	1.98e+006	106.4803	0.0180	1.8000e-003	107.4646
Retirement Community	522366	28.0917	4.7400e-003	4.7000e-004	28.3514
Unenclosed Parking with Elevator	547856	29.4626	4.9700e-003	5.0000e-004	29.7349
Total		1,785.2861	0.3012	0.0301	1,801.7898

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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
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	18.0321	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871
Unmitigated	24.9174	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250

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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	6.3103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	17.4679					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	1.1392	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250
Total	24.9174	0.4386	38.0211	2.0200e-003		0.2115	0.2115		0.2115	0.2115	0.0000	62.3383	62.3383	0.0595	0.0000	63.8250

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6.2 Area by SubCategory

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	1.2628					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	16.1654					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	0.6039	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871
Total	18.0321	0.3489	28.8792	1.3100e-003		0.1578	0.1578		0.1578	0.1578	0.0000	43.6090	43.6090	0.0311	0.0000	44.3871

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

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	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

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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 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
Library	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 Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		79.0720	4.2424	0.1007	215.1297

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7.2 Water by Land Use

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 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
Library	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 Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		63.2576	3.3940	0.0805	172.1037

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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

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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 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
Library	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 Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		222.0721	13.1241	0.0000	550.1743

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8.2 Waste by Land Use

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 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
Library	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 Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		131.0226	7.7432	0.0000	324.6028

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9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
