

## REQUEST FOR PROPOSALS Photovoltaic Energy 2016 RFP MAJ 16-MJ0070

### ADDENDUM #2

**OWNER:**

Trustees of the California State University  
California Polytechnic State University  
Facilities Planning & Capital Projects  
San Luis Obispo, CA 93407

**PROJECT ADMINISTRATOR:**

Joel Neel  
Director  
Facilities Planning & Capital Projects  
[jneel@calpoly.edu](mailto:jneel@calpoly.edu)

**DATE:**

September 1, 2016

**PROPOSAL DUE DATE:**

September 14, 2016 Before 3:00 p.m.

The following clarifications, additions, deletions, and revisions to the Request for Proposal are hereby made and do become a part of the Contract Documents.

It will be the responsibility of the Proposer to submit the information contained in this addendum to their Architect, Subcontractors and Suppliers. Each proposer shall acknowledge receipt of all addenda in the space provided on the Proposal Form. Failure to acknowledge addenda in the space provided on the Proposal Form may subject the Proposer to disqualification.

**Item 2-1** *Request for Proposal, Section 1.3 Schedule of RFP Events, Page 6 of 35*

**MODIFY SCHEDULE BEGINNING WITH EVENT "PROPOSALS DUE" AS FOLLOWS (PRIOR EVENTS REMAIN UNCHANGED):**

Event	Due Date	Notes
Proposals <b>Proposer's Qualifications</b> due	September 14, 2016	Before 3:00 p.m. Pacific Time at Cal Poly, Bldg. 70, Room 200
Cal Poly Evaluation of Qualifications and Announcement of Finalists	September 30, 2016	
<b>Proposer's Price Proposal due</b>	<b>October 5, 2016</b>	<b>Before 2:00 p.m. Pacific Time at Cal Poly, Bldg. 70, Room 200</b>
Public Opening of Price Proposals; Apparent Finalist Announced	October 5, 2016	2:00 p.m. Pacific Time at Cal Poly, Bldg. 70, Room 114
Cal Poly issues Notice of Intent to Accept Bid	October 19, 2016	
Fully Executed Agreement	November 2, 2016	

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**Item 2-2**      *Request for Proposal, Section 1.7 SLPPA, Second Paragraph, Page 7 of 35*

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**DELETE FIRST SENTENCE IN SECOND PARAGRAPH AS FOLLOWS:**

~~The terms and conditions of this SLPPA are non-negotiable. While Cal Poly will entertain factual corrections that clarify or restate certain terms, Cal Poly will terminate negotiations with any selected respondent that attempts to renegotiate any term or condition in the SLPPA that, in Cal Poly's sole judgment, constitutes a significant change to the SLPPA.~~

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**Item 2-3**      *Request for Proposal, Section 1.10 Interconnection, Page 7 of 35*

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**ADD THE FOLLOWING PARAGRAPH:**

Proposers shall assume PG&E interconnection costs of \$200,000, pending receipt of the System Impact Study from PG&E, with provision that Cal Poly and Proposers shall negotiate in good faith to address the actual cost – higher or lower – once it is known.

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**Item 2-4**      *Request for Proposal, Section 4.3 Qualifications Format, Page 28 of 35*

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**ADD NEW ITEM M. AS FOLLOWS:**

- M. Exceptions:** Any and all exceptions to the RFP must be listed on an item-by-item basis and cross-referenced with the RFP document. Exceptions cannot be assumed and must not affect NPV. **If there are no exceptions, Respondent must expressly state that no exceptions are taken.**

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**Item 2-5**      *Appendix 3, Sample Solar License and Power Purchase Agreement (SLPPA), Article 4.2 Purchase Obligation*

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**REPLACE PERCENTAGE WITHIN PARAGRAPH AS FOLLOWS:**

- 4.2. **Purchase Obligation.** The Trustees' obligation in any Contract Year shall be limited to the purchase of no more than one hundred ~~ten~~ **twenty** percent (44~~0~~**120**%) of EEP for such Contract Year. If Licensee delivers more than the EEP in any Contract Year, the Trustees shall not be obligated to purchase any kWh in excess of the EEP unless, in the reasonable judgment of the Trustees, the CSU can make economic use of such excess To the extent that CSU realizes an economic benefit from an offset to the Benefitting Account under the RES-BCT program for the excess production, the CSU shall be deemed to have made economic use of the excess.

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**Item 2-6**      *Appendix 3, Sample Solar License and Power Purchase Agreement (SLPPA), Article 16.2 Trustees Early Termination Rights*

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**DELETE ARTICLE 16.2 IN ITS ENTIRETY:**

~~16.2. Trustees Early Termination Rights. The Trustees may terminate this Agreement for any reason, upon sixty (60) calendar days written notice to Licensee with a copy to any Lender whose name and contact information has been provided by Licensee to the Trustees. In the event that the Trustees terminates this Agreement pursuant to this section neither Party shall be in default solely as a result of Trustees election to terminate hereunder, and Licensee shall, upon the Trustees request, fulfill its obligations under Section 13.1 and the Trustees shall within thirty (30) calendar~~

~~days thereafter pay Licensee a Termination Fee in accordance with Section 16.1 of this Agreement.~~

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**Item 2-7      *Appendix 11, Attachment 1, Mitigation Monitoring and Reporting Program***

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**DELETE AND REPLACE WITH ATTACHED DOCUMENT (ADD#2A).**

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## **MITIGATION MONITORING AND REPORTING PROGRAM**

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### **STATUTORY REQUIREMENT**

When a Lead Agency makes findings on significant environmental effects, the agency must also adopt a “reporting or monitoring program for the changes to the project which it has adopted or made a condition of approval in order to mitigate or avoid significant effects on the environment” (Public Resources Code §21081.6(a) and CEQA Guidelines §15091(d) and §15097). The Mitigation Monitoring and Reporting Program (MMRP) is implemented to ensure that the mitigation measures and project revisions are implemented. Therefore, the MMRP must include all changes in the proposed project either adopted by the project proponent or made conditions of approval by the Lead or Responsible Agency.

### **ADMINISTRATION OF THE MITIGATION MONITORING AND REPORTING PROGRAM**

The Board of Trustees of the California State University (Board of Trustees) is the Lead Agency responsible for the adoption of the MMRP. The applicant, California Polytechnic State University San Luis Obispo, is responsible for implementation of the MMRP, in coordination with other identified entities. According to CEQA Guidelines §15097(a), a public agency may delegate reporting or monitoring responsibilities to another public agency or to a private entity that accepts the delegation. The Board of Trustees delegate responsibility for verifying and documenting compliance with the MMRP to the local campus, in this case, California Polytechnic State University San Luis Obispo; specifically, the Facilities Planning and Capital Projects department, as coordinator of the project and its construction, will be responsible for compliance. However, until mitigation measures have been completed, the Lead Agency remains responsible for ensuring that the implementation of the measure occurs in accordance with the program.

### **MITIGATION MEASURES AND REPORTING PROGRAM**

The MMRP table is structured to enable quick reference to mitigation measures and the associated monitoring program based on the environmental resource. The numbering of mitigation measures correlates with numbering of measures found in the Initial Study/Mitigated Negative Declaration for the Gold Tree Solar Facility project.

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**Mitigation Monitoring and Reporting Program**

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
<i>Aesthetics</i>					
MM AES-1	Construction, Operation	Lighting and Glare – All exterior lighting shall be hooded. No unobstructed beam of light shall be directed toward sensitive uses. The use of reflective materials in all structures shall be minimized (e.g., metal roofing, expanses of reflective glass on west-facing walls). All lights must be shielded to avoid glare and spillover onto adjacent areas and onto public right of way areas.	Document through plan check and field inspection	Prior to approval of construction plans; periodic inspections	Cal Poly
MM AES-2	Construction, Decommissioning	Contractors at the Goldtree [facility] will locate stockpiling and staging areas out of view where feasible.	Document through plan check and field inspection	Prior to approval of construction plans; periodic inspections	Cal Poly
MM AES-3	Construction, Operation, Decommissioning	If the proposed facilities lie within 100 feet of Highway 1, the Goldtree facility will comply with County Guidelines for design near scenic highways [Note: development footprint is over 100 feet from the edge of Highway 1 to mitigate for visual and biological impacts]. In any case, the University shall consult with the County regarding reduction of visual impacts to sensitive areas such as the Highway 1 corridor.	Document consultation efforts in the project file	Prior to approval of construction plans	Cal Poly
AES-1	Construction, Operation	Screen Planting: The project shall include vegetative screen planting as shown in the conceptual Vegetative Screening Concept Plan (SWCA 2015a), and the following: a. Only plants native to the central coast of California shall be used. Trees and shrubs shall be planted in random appearing patterns that imitate the character of the surrounding natural vegetated landscape. Plantings shall "feather out" at the perimeters to visually transition from the more dense slope planting to the surrounding landscape. Screen planting shall achieve a minimum 70 percent screening of the project as seen from Highway 1 within ten years of completion of	Document through plan check and field inspection	Prior to approval of construction plans; periodic inspections	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>construction.</p> <p>b. A minimum of 50 percent of the plants shall be trees. Tree species shall reach a minimum height of 20-feet at maturity. Trees shall be from a minimum 15-gallon container size.</p> <p>c. Trees shall be planted in random-appearing groupings so not to visually “wall-off” distant views along Highway 1.</p> <p>d. Trees and shrubs within the screen planting area shall be maintained in for the life of the project. Trees and shrubs within the screen planting area which die shall be replaced.</p>			
AES-2	Construction, Operation	<p>Fencing: All fencing for the project shall conform to the following:</p> <p>a. Fencing shall be placed as close to the perimeter of the photo-voltaic array layout as possible and as far from Highway 1 as possible.</p> <p>b. Perimeter fencing facing Highway 1 shall be placed as far from Highway 1 as physically possible.</p> <p>c. No security fencing shall be placed outside of the screen planting along Highway 1 or Goldtree Road.</p> <p>d. Barbed-wire shall not be used.</p> <p>e. All metal components of all fencing shall be either black vinyl coated or darkened by acid-etching.</p>	Document through plan check and field inspection	Prior to approval of construction plans; periodic inspections	Cal Poly
AES-3	Construction, Operation	<p>Photovoltaic Arrays and Associated Elements: All frames, racks, supports, stands, brackets, tracking apparatus, connectors, rods, motor and equipment cabinets, and other metal components shall be darkened by painting, powder-coating, anodizing, acid etching or other methods to reduce reflectivity and visually recede. Elements shall be darkened to near-black or a dark-grey.</p>	Document through plan check and field inspection	Prior to approval of construction plans; periodic inspections	Cal Poly
AES-4	Construction, Operation	<p>Equipment Building: The exterior of the equipment building shall be painted a dark earth-tone color to reduce</p>	Document through plan	Prior to approval of construction plans;	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		reflectivity and noticeability.	check and field inspection	periodic inspections	
AES-5	Construction, Operation	<p>Lighting: New security lighting included in the project shall conform to the following:</p> <ul style="list-style-type: none"> <li>a. Light poles shall not exceed twelve feet in height.</li> <li>b. The point source of all exterior lighting shall be shielded from off-site views.</li> <li>c. Light trespass shall be minimized by directing light downward and utilizing cut-off fixtures or shields.</li> <li>d. Lumination from exterior lights shall be the lowest level allowed by public safety standards.</li> <li>e. Exterior lighting shall be designed to not focus illumination onto exterior walls.</li> </ul>	Document through plan check and field inspection	Prior to approval of construction plans; field check during construction	Cal Poly
<b>Agricultural Resources</b>					
AG-1	Construction, Operation, Decommissioning	<p>Prior to operation of the solar facility, in coordination with the Campus Farm sheep unit, the University shall develop a managed livestock grazing plan for sheep and goats. The plan shall identify the timing and location of livestock grazing both within the solar facility and proximate vegetation screening area and biological mitigation area(s). The plan shall address and remedy any potential livestock safety issues, procedures to ensure proper fencing and containment at all times, and communication protocol. The plan shall be implemented throughout the life of the project, and updated as necessary based on consultation with the Campus Farm sheep unit.</p>	Prepare and comply with approved plan	Prior to operation of the project	Cal Poly
<b>Air Quality</b>					
MM AIR-1	Construction, Operation, Decommissioning	<p><b>Dust Control</b></p> <ul style="list-style-type: none"> <li>a. Employ measures to avoid the creation of dust and air pollution.</li> <li>b. Unpaved areas shall be wetted down, to eliminate dust formation, a minimum of twice a day to reduce particulate matter. When wind velocity exceeds 15</li> </ul>	Include in project specifications and denote on plans where needed; verify compliance in	Prior to final specification and plan approval; field check during construction	Cal Poly



Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>mph, site shall be watered down more frequently.</p> <p>c. Store all volatile liquids, including fuels or solvents in closed containers.</p> <p>d. No open burning of debris, lumber or other scrap will be permitted.</p> <p>e. Properly maintain equipment to reduce gaseous pollutant emissions.</p> <p>f. Exposed areas, new driveways and sidewalks shall be seeded, treated with soil binders, or paved as soon as possible.</p> <p>g. Cover stockpiles of soil, sand and other loose materials.</p> <p>h. Cover trucks hauling soil, debris, sand or other loose materials.</p> <p>i. Sweep project area streets at least once daily.</p> <p>j. Appoint a dust control monitor to oversee and implement all measures listed in this Article.</p> <p>k. The Contractor shall maintain continuous control of dust resulting from construction operations. Particular care must be paid to door openings to prevent construction dust and debris from entering the adjacent areas.</p> <p>l. When wind conditions create considerable dust, such that a nuisance would generate complaints, the Contractor shall either suspend grading operations, and/or water the exposed areas.</p> <p>m. Water down the project site, access routes, and lay down areas whenever generate dust becomes a nuisance.</p> <p>n. The campus reserves the right to request watering of the site whenever dust complaints are received.</p> <p>o. It shall be the university's sole discretion as to what constitutes a nuisance.</p> <p>p. During construction, the amount of disturbed area shall be minimized.</p> <p>q. On-site vehicle speeds should be reduced to 15 miles per hour or less.</p>	<p>field through inspection</p>		

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<ul style="list-style-type: none"> <li>r. Exposed ground areas that are left exposed after project completion should be sown with a fast-germinating native grass seed and watered until vegetation is established.</li> <li>s. After clearing, grading, earth moving, or excavation is completed, the entire area of disturbed soil shall be treated immediately by watering or revegetating or spreading soil binders to minimize dust generation until the area is paved or otherwise developed so that dust generation will be minimized.</li> <li>t. All roadways, driveways, and sidewalks associated with construction activities should be paved as soon as possible. In addition, building and other pads shall be laid as soon as possible after grading, unless seeding or soil binders are used.</li> <li>u. Rock pads and/or rumble strips (or similar) shall be installed where vehicles enter and exit unpaved areas onto streets, or trucks and equipment shall be washed off before leaving the site. <u>Sweep streets at the end of each day if visible soil material is carried onto adjacent paved roads. Water sweepers with reclaimed water should be used where feasible.</u></li> <li>v. All PM10 mitigation measures shall be shown on grading and building plans.</li> <li>w. The contractor or builder shall consider the use of a SLOAPCD-approved dust suppressant where feasible to reduce the amount of water used for dust control.</li> <li>x. The contractor or builder shall designate a person or persons to monitor the fugitive dust emissions and enhance the implementation of the measures as necessary to minimize dust complaints and reduce visible emissions below the SLOAPCD's limit of 20 percent opacity for greater than 3 minutes in any 60 minute period. Their duties shall include holidays and weekend periods when work may not be in progress. The name and telephone number of such person(s) shall be provided to the SLOAPCD Compliance Division prior to the start of any grading, earthwork or demolition.</li> </ul>			

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>y. <u>Effective February 25, 2000, the APCD prohibited developmental burning of vegetative material within San Luis Obispo County. If you have any questions regarding these requirements, contact the ACPD Engineering &amp; Compliance Division at (805) 781-5912.</u></p>			
MM AIR-2	Construction, Operation, Decommissioning	<p><b>Equipment Emission Control</b></p> <p>a. The project shall require that all fossil-fueled equipment shall be properly maintained and tuned according to manufacturer's specifications.</p> <p>b. The project proponent shall require that all off-road and portable diesel-powered equipment including but not limited to bulldozers, graders, cranes, loaders, scrapers, backhoes, generator sets, compressors, auxiliary power units, shall be fueled exclusively with CARB certified diesel fuel.</p> <p>c. Use diesel construction equipment meeting ARB's Tier 2 certified engines or cleaner off-road heavy-duty diesel engines, and comply with the State off-Road Regulation.</p> <p>d. Use on-road heavy-duty trucks that meet the ARB's 2007 or cleaner certification standard for on-road heavy-duty diesel engines, and comply with the State On-Road Regulation.</p> <p>e. Construction or trucking companies with fleets that do not have engines in their fleet that meet the engine standards identified in the above two measures (e.g. captive or NOx exempt area fleets) may be eligible by proving alternative compliance.</p> <p>f. All on and off-road diesel equipment shall not idle for more than 5 minutes. Signs shall be posted in the designated queuing areas and or job sites to remind drivers and operators of the 5 minute idling limit.</p> <p>g. Electrify equipment when feasible.</p> <p>h. Substitute gasoline-powered in place of diesel-powered equipment, where feasible.</p> <p>i. Use alternatively fueled construction equipment on-site where feasible, such as compressed natural gas</p>	<p>Include in project specifications and denote on plans where needed; verify compliance in field through inspection</p>	<p>Prior to final specification and plan approval; field check during construction</p>	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		(CNG), liquefied natural gas (LNG), propane or biodiesel. j. All on and off-road diesel equipment shall not idle for more than 5 minutes within 1,000 feet of sensitive receptors. Signs shall be posted in the designated queuing areas and or job sites to remind drivers and operators of the 5-minute idling restrictions limit.			
AQ-1	Construction, Operation, Decommissioning	In the event materials potentially containing asbestos are to be disturbed or removed from the project site, the Construction Contractor shall comply with the National Emission Standard for Hazardous Air Pollutants (40CFR61, Subpart M – asbestos NESHAP). These requirements include, but are not limited to: 1) written notification, within at least 10 business days of activities commencing, to the APCD, 2) asbestos survey conducted by a Certified Asbestos Consultant, and 3) applicable removal and disposal requirements of identified ACM.	Submit documentation; document compliance	Prior to disturbance/removal of materials	Cal Poly
AQ-2	Construction, Operation, Decommissioning	The presence or absence of naturally-occurring asbestos must be determined prior to start of soil disturbing activities. If Naturally Occurring Asbestos (NOA) is not present on-site, an exemption request will be filed with the SLOAPCD. If NOA is present on-site, the project will comply with all requirements outlined in the Asbestos Airborne Toxic Control Measures.	Submit documentation and exemption request (if applicable); document compliance	Prior to construction	Cal Poly
AQ-3	Construction, Operation, Decommissioning	Prior to ground disturbance and construction, the Construction Contractor shall ensure a geologic evaluation is conducted to determine if the area disturbed is exempt from the Air Resources Board Toxic Control Measure (ATCM) for Construction, Grading, Quarrying, and Surface Mining Operations (93105). If the site is not exempt from the ATCM requirements, the Construction Contractor shall comply with all requirements outlined in the Asbestos ATCM, which may include development of an Asbestos Dust Mitigation Plan and an Asbestos Health and Safety Program for approval by the San Luis Obispo APCD.	Submit documentation; document compliance if condition is present	Prior to construction	Cal Poly

Mitigation Monitoring and Reporting Program

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
AQ-4	Construction, Operation, Decommissioning	Prior to ground disturbance and construction, the Construction Contractor shall obtain all required permits for the use of portable equipment, 50 horsepower or greater, from the San Luis Obispo APCD.	Obtain required permits	Prior to construction	Cal Poly
AQ-5	Construction, Operation, Decommissioning	Prior to operation of the project, Cal Poly shall obtain all required operational permits from the San Luis Obispo APCD.	Obtain required permits	Prior to operation	Cal Poly
<b>Biological Resources</b>					
BR-1	Construction, Operation	<p>Prior to initiation of construction, the University shall prepare a compensatory mitigation plan showing the location of a protected conservation area proximate to the project site. The mitigation plan shall result in a minimum 1:1 ratio of in-kind habitat, consisting of grasslands, trees, drainages, and other features similar to the project site. The primary purpose of the conservation area shall be conservation of impacted species and habitats, but the area shall also allow livestock grazing when and where it is deemed beneficial for the habitat needs of impacted species, such as continued grazing by sheep and goats. No future development of this area shall be permitted for the life of the project. The mitigation plan shall include, at a minimum, the following information:</p> <ol style="list-style-type: none"> <li>a. Summary of habitat and species impacts and the proposed mitigation for each element;</li> <li>b. Description of the location and boundaries of the mitigation site and description of existing site conditions;</li> <li>c. Description of any measures to be undertaken to enhance (e.g., through focused management) the mitigation site for special status species;</li> <li>d. Description of management and maintenance measures intended to maintain and enhance habitat for the target species (e.g., weed control, fencing maintenance);</li> <li>e. Compilation of a dedicated, site-specific managed grazing plan, prepared in consultation with the</li> </ol>	Prepare and comply with mitigation plan; document compliance in monitoring reports	Prior to construction; during operation	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>University's Department of Agriculture, including a description of the adaptive management scheme for this plan;</p> <p>f. Description of habitat and species monitoring measures on the mitigation site, including specific, objective performance criteria, monitoring methods, data analysis, reporting requirements, monitoring schedule for a minimum period of three years; monitoring shall document compliance with each element requiring habitat compensation or management;</p> <p>g. A contingency plan for mitigation elements that do not meet performance or final success criteria within described periods; the plan shall include specific triggers for remediation if performance criteria are not met and a description of the process by which remediation of problems with the mitigation site (e.g., presence of noxious weeds) shall occur;</p> <p>h. Reporting shall include an annual monitoring report to be submitted to the University; and</p> <p>i. For any species listed under the federal Endangered Species Act (FESA) or California Endangered Species Act (CESA), demonstration that the compensatory mitigation, conservation, and management (1) will fully mitigate for any take of a CESA-listed species as defined by CESA, (2) minimize and mitigate any take of an FESA-listed species to the maximum extent practicable as defined by FESA, and (3) ensure that impacts from the project are not likely to jeopardize the listed species continued existence as defined by FESA.</p>			
BR-2	Construction, Decommissioning	Prior to construction, the University shall retain a qualified biological monitor. The biological monitor shall prepare a monitoring plan for review and approval by the University. Full-time monitoring will occur during vegetation removal, and erosion control installation. Monitoring may be reduced to part time once construction activities are	Retain environmental monitor; prepare and comply with monitoring	Prior to construction/ decommissioning; during operation	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>underway and the potential for additional impacts are reduced. The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a. Goals, responsibilities, authorities, and procedures for verifying compliance with environmental mitigation measures;</li> <li>b. Lines of communication and reporting methods;</li> <li>c. Daily and weekly reporting of compliance;</li> <li>d. Authority to stop work, and the conditions that would require such action; and</li> <li>e. Action to be taken in the event of non-compliance.</li> </ul>	<p>plan; document compliance in monitoring reports</p>		
BR-3	Construction, Operation	<p>Upon preparation of construction plans, and prior to ground disturbance, the University shall ensure that grading plans and associated notes incorporate the following:</p> <ul style="list-style-type: none"> <li>a. Within the areas supporting Cambria morning-glory, the top six inches of soil to be disturbed during construction shall be scraped and stockpiled onsite, consistent with the erosion and sedimentation control plan for the project.</li> <li>b. The stockpiled top soil shall be reapplied proximate to the site, within the identified conservation area.</li> <li>c. Early successional grasses consistent with the surrounding area including Cambria morning-glory shall be added to the seed base within the stockpiled top soil.</li> <li>d. The revegetated area shall be irrigated and stabilized pursuant to the final erosion and sedimentation control plan.</li> <li>e. Restoration shall be monitored on a quarterly basis for a period of three years (minimum) to ensure successful restoration of Cambria morning-glory.</li> <li>f. Restoration actions shall be conducted and monitored by a qualified biologist. The biological monitor shall submit quarterly monitoring reports to the University. Any additional actions to ensure successful restoration (i.e., removal of weeds,</li> </ul>	<p>Include in project specifications and denote on plans where needed; verify compliance in field through inspection by environmental monitor</p>	<p>Prior to final specification and plan approval; field check during construction</p>	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		irrigation) shall be documented in the reports. Implementation of such actions shall be documented by the biological monitor and verified by the University.			
BR-4	Construction, Operation, Decommissioning	Upon preparation of construction plans, and prior to ground disturbance, the plans shall delineate “Environmentally Sensitive Areas” to protect observed populations of Blochman’s dudleya, drainages and wetland habitat (minimum 30-foot buffer). Highly visible temporary construction fencing shall be installed along the boundary of the “Environmentally Sensitive Areas” and shall remain in place until the biological monitor recommends removal. No ground disturbance, construction worker foot traffic, storage of materials, or storage or use of equipment shall occur within the “Environmentally Sensitive Areas”.	Include in project specifications and denote on plans where needed; verify compliance in field through inspection by environmental monitor	Prior to final specification and plan approval; field check during construction / decommissioning	Cal Poly
BR-5	Construction, Operation, Decommissioning	Only USFWS-approved biologists shall participate in activities associated with the capture, handling, and monitoring of California red-legged frog. Ground disturbance shall not begin until written approval is received from the USFWS that the biologist is qualified to conduct the work. The University would be the federal lead agency for the project. Therefore, the University shall request approval of the biologist from USFWS.	Compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-6	Construction, Operation, Decommissioning	A USFWS-approved biologist shall survey the project area no more than 48 hours before the onset of work activities. If any life stage of the California red-legged frog is found and these individuals are likely to be killed or injured by work activities, the approved biologist shall be allowed sufficient time to move them from the site before work activities begin. The USFWS-approved biologist shall relocate the individual(s) the shortest distance possible to a location that contains suitable habitat and will not be affected by the activities associated with the project. The USFWS-approved biologist shall maintain detailed records of any individuals that are moved (e.g., size, coloration, any distinguishing features, photographs [digital	Compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly



Mitigation Monitoring and Reporting Program

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		preferred]) to assist him or her in determining whether translocated animals are returning to the point of capture.			
BR-7	Construction, Operation, Decommissioning	Prior to initiation of construction and decommissioning activities, a USFWS-approved biologist shall conduct a training session for all construction personnel. At a minimum, the training shall include a description of the special-status species potentially present in the area, jurisdictional habitats present proximate to the project site, California red-legged frog and its habitat, the specific measures that are being implemented to protect special-status species, and the boundaries within which the project may be accomplished. Brochures, books, and briefings may be used in the training session, provided that a qualified person is on hand to answer any questions. The training shall also be provided to all maintenance personnel for the life of the project.	Compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-8	Construction, Operation, Decommissioning	A USFWS-approved biologist shall be present at the work site until all California red-legged frogs have been removed, workers have been instructed, and disturbance of the habitat has been completed. After this time, the state or local sponsoring agency shall designate a person to monitor on-site compliance with all minimization measures. The USFWS-approved biologist shall ensure that this monitor receives the required training in the identification of California red-legged frog. If the monitor or the USFWS-approved biologist recommends that work be stopped because this species would be adversely affected they shall immediately notify the appropriate University representative that is directly overseeing and in command of construction activities. The University representative shall either resolve the situation by eliminating the effect immediately or require that all actions that are causing these effects be halted. If work is stopped, the appropriate University personnel and USFWS shall be notified as soon as is reasonably possible.	Compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-9	Construction, Operation, Decommissioning	During project activities, all trash that may attract predators shall be properly contained, removed from the	Include in project	During construction, operation,	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		work site, and disposed of regularly. Following construction, all trash and construction debris shall be removed from work areas.	specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	decommissioning	
BR-10	Construction, Operation, Decommissioning	All refueling, maintenance and staging of equipment and vehicles shall occur at least 60 feet from wetland habitat or water bodies and not in a location from where a spill would drain directly toward aquatic habitat. The monitor shall ensure contamination of habitat does not occur during such operations. Prior to the onset of work, the University shall ensure that a plan is in place for prompt and effective response to any accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take shall a spill occur.	Include in project specifications and denote on plans where needed; verify compliance in field through inspection by environmental monitor; document in monitoring reports	Prior to final specification and plan approval; field check during construction / decommissioning	Cal Poly
BR-11	Construction, Operation, Decommissioning	Project areas to remain undeveloped shall be revegetated with an assemblage of vegetation suitable for the area. Locally collected plant materials shall be used to the extent practicable. Invasive, exotic plants shall be controlled to the maximum extent practicable. Topographic contours shall remain in their original configuration to the maximum extent feasible.	Include in project specifications and denote on plans where needed; verify compliance in field through inspection by environmental monitor; document in monitoring	Prior to final specification and plan approval; field check during construction / decommissioning	Cal Poly

Mitigation Monitoring and Reporting Program

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
BR-12	Construction, Operation, Decommissioning	The number of access routes, size of staging areas, and the total area of activity shall be limited to the minimum necessary to achieve the project. Environmentally Sensitive Areas shall be established to confine access routes and construction areas to the minimum area necessary to complete construction, and minimize the impact to California red-legged frog habitat. Drainages, riparian areas, and wetland habitat shall be avoided.	reports Include in project specifications and denote on plans where needed; verify compliance in field through inspection by environmental monitor; document in monitoring reports	Prior to final specification and plan approval; field check during construction / decommissioning	Cal Poly
BR-13	Construction, Operation, Decommissioning	The University will attempt to schedule work for times of the year when impacts to the California red-legged would be minimal, including avoiding construction during the breeding season, which is generally November through May. Habitat assessments, surveys, and technical assistance between the University and the USFWS during project planning shall be used to assist in scheduling work activities to avoid sensitive habitats during key times of year.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-14	Construction, Operation, Decommissioning	Unless approved by the USFWS, water shall not be impounded in a manner that may attract California red-legged frogs.	Include in project specifications and denote on plans where needed; compliance verified by environmental	During construction, operation, decommissioning	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
			monitor; document in monitoring reports		
BR-15	Construction, Operation, Decommissioning	A USFWS-approved biologist shall permanently remove any individuals of exotic species, such as bullfrogs, crayfish, and centrarchid fishes from the project area, to the maximum extent possible. The USFWS-approved biologist shall be responsible for ensuring his or her activities are in compliance with the California Fish and Game Code.	Compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-16	Construction, Operation, Decommissioning	The USFWS-approved biologist shall follow the fieldwork code of practice developed by the Declining Amphibian Task Force at all times.	Compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-17	Construction, Operation, Decommissioning	The construction manager/contractor shall avoid the use of herbicides as the primary method to control invasive, exotic plants to the maximum extent feasible. If herbicides are used, such use shall be subject to the following measures. <ul style="list-style-type: none"> <li>a. Herbicides shall not be used within 50 feet of drainages, riparian areas, and wetland areas during the breeding season for California red-legged frog.</li> <li>b. Surveys for special-status aquatic species including, but not limited to, California red-legged frog shall be conducted immediately prior to the start of herbicide use. If found, use of herbicides shall only occur far enough from the occurrence area to ensure that no direct contact with herbicide would occur.</li> <li>c. Giant reed and other invasive plants will be cut and hauled out by hand and painted with glyphosate-</li> </ul>	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>based products, such as Aquamaster or Rodeo.</p> <p>d. Licensed and experienced University staff or a licensed and experienced contractor will use a hand held sprayer for foliar application of Aquamaster or Rodeo where large monoculture stands occur at a project site.</p> <p>e. All precautions will be taken to ensure that no herbicide is applied to native vegetation.</p> <p>f. Herbicide will not be applied on or near open water surfaces (no closer than 60 feet from open water).</p> <p>g. Foliar applications of herbicide will not occur when wind speed is in excess of 3 miles per hour.</p> <p>h. No herbicides will be applied within 24 hours of forecasted rain.</p> <p>i. Application of all herbicides will be done by a qualified University staff or contractors to ensure that overspray is minimized, that all applications is made in accordance with the label recommendations, and with implementation of all required and reasonable safety measures. A safe dye will be added to the mixture to visually denote treated sites. Application of herbicides will be consistent with the U.S. Environmental Protection Agency County Bulletins.</p> <p>j. All herbicides, fuels, lubricants, and equipment will be stored, poured, or refilled at least 60 feet from riparian habitat or water bodies in a location where a spill would not drain directly toward aquatic areas. The University will ensure that contamination of aquatic habitat does not occur during such operations. Prior to the onset of work, University will ensure that a plan is in place for a prompt and effective response to accidental spills. All workers will be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.</p>			
BR-18	Construction, Operation, Decommissioning	Prior to construction, the qualified biological monitor shall obtain a letter of permission from the California	Compliance verified by	During construction, operation,	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>Department of Fish and Wildlife to relocate Foothill yellow-legged frog western pond turtles, and coast range newt, and other SSC species from work areas encountered during construction, as necessary. Qualified biologists shall conduct a pre-construction survey for these species in proposed work areas where construction will occur. The qualified biologists shall capture and relocate any SSC species (if present) or other native species to suitable habitat outside of the area of impact. If discovered, observations of SSC species or other special-status species shall be documented on California Natural Diversity Database forms and submitted to the California Department of Fish and Wildlife upon project completion.</p>	<p>environmental monitor; document in monitoring reports</p>	<p>decommissioning</p>	
BR-19	<p>Construction, Operation, Decommissioning</p>	<p>Vegetation removal shall be scheduled to occur outside of the nesting season (avoidance period would be September 1 to February 14) if possible, to avoid birds that may be nesting within areas of disturbance during or just prior to construction.</p>	<p>Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports</p>	<p>During construction, operation, decommissioning</p>	<p>Cal Poly</p>
BR-20	<p>Construction, Decommissioning</p>	<p>Prior to construction, if construction activities are proposed to occur during the typical nesting season (which is February 15 to August 31) within 200 feet of potential nesting habitat, a nesting bird survey shall be conducted by qualified biologists in potential nesting habitat at least two weeks prior to construction to determine presence/absence of nesting birds within the project area. Work activities shall be avoided within 100 feet of active bird nests and 200 feet of active raptor nests until young birds have fledged and left the nest. Readily visible exclusion zones shall be established in areas where nests must be avoided. The University shall be contacted if any</p>	<p>Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring</p>	<p>During construction, decommissioning</p>	<p>Cal Poly</p>

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Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		state or federally listed bird species are observed during surveys. The U.S Fish and Wildlife Service and California Department of Fish and Wildlife shall be contacted for additional guidance if nesting birds are observed within or near the boundaries of the project site. Nests, eggs, or young of birds covered by the Migratory Bird Treaty Act and California Fish and Game Code would not be moved or disturbed until the end of the nesting season or until young fledge, whichever is later, nor would adult birds be killed, injured, or harassed at any time.	reports		
BR-21	Construction, Operation, Decommissioning	Vegetation removal in potential nesting habitats shall be monitored and documented by the biological monitor(s) regardless of time of year.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-22	Construction, Operation, Decommissioning	During construction, the cleaning and refueling of equipment and vehicles will occur only within a designated staging area and at least 60 feet from wetlands, other waters, or other aquatic areas. This staging area will conform to Best Management Practices applicable to attaining zero discharge of stormwater runoff. At a minimum, all equipment and vehicles will be checked and maintained on a daily basis to ensure proper operation and avoid potential leaks or spills.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-23	Construction, Operation,	During construction, the biological monitor shall ensure	Compliance	During construction,	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
	Decommissioning	that the spread or introduction of invasive exotic plant species will be avoided to the maximum extent possible. When practicable, invasive exotic plants in the project site will be removed and properly disposed.	verified by environmental monitor; document in monitoring reports	operation, decommissioning	
BR-24	Construction, Operation, Decommissioning	During construction, trash will be contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas. All vegetation removed from the construction site shall be taken to a certified landfill to prevent the spread of invasive species. If soil from weedy areas (such as areas with poison hemlock or other invasive exotic plant species) must be removed off-site, the top 6 inches containing the seed layer in areas with weedy species shall be disposed of at a certified landfill.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
BR-25	Construction, Operation, Decommissioning	During construction, no pets shall be allowed in the proposed work area.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor; document in monitoring reports	During construction, operation, decommissioning	Cal Poly
<b>Cultural Resources</b>					
CR-1	Construction	Prior to ground disturbance, the University shall retain a qualified archaeologist, defined as an archaeologist who meets the Secretary of the Interior Professional	Retain archaeological and Native	During construction	Cal Poly



Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>Qualification Standards for archaeology. The archaeological monitor and a Chumash representative shall be present during initial vegetation clearing, site “grubbing,” and grading. This will allow for the identification of any resources that may be visible on the surface but which were not identified during pedestrian survey due to ground cover. The presence of the archaeological monitor shall be limited to initial construction activities until a determination is made in the field by the archaeological monitor whether additional archaeological resources are present. The archaeological monitor shall submit a monitoring report to the University following completion of all required monitoring activities.</p>	<p>American monitors; prepare and comply with monitoring plan; document compliance in monitoring reports</p>		
CR-2	Construction	<p>In the event unknown archaeological resources are exposed or unearthed during project construction, all earth disturbing work within the vicinity of the find must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find. If the archaeologist determines that the resource is an “historic resource” or “unique archaeological resource” as defined by California Environmental Quality Act Guidelines Section 15064.5 and avoidance is not feasible, further evaluation by the archaeologist shall occur. The archaeologist’s recommendations for further evaluation may include a Phase II testing and evaluation program to assess the significance of the site. Resources found not to be significant will not require mitigation. Impacts to sites found to be significant shall be mitigated through implementation of a Phase III data recovery program. After the find has been appropriately mitigated, work in the area may resume. A Chumash representative shall monitor any mitigation work associated with prehistoric cultural material.</p>	<p>Include in project specifications and denote on plans where needed; compliance verified by environmental monitor as necessary; document in monitoring reports</p>	During construction	Cal Poly
CR-3	Construction, Operation, Decommissioning	<p>Upon preparation of construction plans, the plans shall delineate a 50-foot buffer surrounding the documented archaeological site. The area shall be labeled as an “Environmentally Sensitive Area”. Highly visible temporary construction fencing shall be installed along the boundary</p>	<p>Include in project specifications and denote on plans where</p>	During construction, operation, decommissioning	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		of the 50-foot buffer, and shall remain in place until the archaeological monitor recommends removal. No ground disturbance, construction worker foot traffic, storage of materials, or storage or use of equipment shall occur within the “Environmentally Sensitive Area”.	needed; compliance verified by environmental monitor; document in monitoring reports		
CR-4	Construction	If human remains are unearthed, the University and contractor shall comply with State Health and Safety Code Section 7050.5, which requires that no further disturbance shall occur until the County of San Luis Obispo (County) Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the human remains are determined to be Native American, the County Coroner will notify the Native American Heritage Commission within 24 hours, which will determine and notify a Most Likely Descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor as necessary; document in monitoring reports	During construction	Cal Poly
CR-5	Construction	If soil excavation associated with grading activities requires disturbance of bedrock formations, a qualified paleontologist will be retained to monitor construction activities in those areas. Should any vertebrate fossils or potentially significant finds (e.g., numerous well-preserved invertebrate or plant fossils) be encountered during work on the site, all activities in the immediate vicinity of the find shall cease until the qualified paleontologist evaluates the find for its scientific value. If deemed significant, the paleontological resource(s) shall be salvaged and deposited in an accredited and permanent scientific institution where they will be properly curated and preserved. If monitoring is required, the qualified paleontologist shall submit a monitoring report to the University following completion of all required monitoring	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor as necessary; document in monitoring reports	During construction	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
activities.					
<b><i>Hazards and Hazardous Materials</i></b>					
HM-1	Construction, Operation, Decommissioning	<p>Prior to the construction and decommissioning phases of the project, the contractor shall submit a site-specific spill response plan to the University for review and approval, which shall include the following elements:</p> <ul style="list-style-type: none"> <li>a. General information including:               <ul style="list-style-type: none"> <li>1. Name and location of solar facility; description of facility operations; construction manager and emergency coordinator names and phone numbers.</li> <li>2. Description of what is stored at the facility (contents and volume).</li> <li>3. Site diagram showing: hazardous materials storage areas; drains and culverts; surface waters and natural drainages; buildings; and surrounding land uses within 1,000 feet of the project site boundary.</li> </ul> </li> <li>b. A description of prevention measures to be taken at the project site, such as secondary containment, employee training, and proper storage. Products shall be kept in their original containers with the original manufacturer's label and resealed when possible, and the manufacturer's recommendation for proper disposal shall be followed. The contractor shall perform routine inspections to ensure that all materials onsite are being stored and disposed of in an appropriate fashion.</li> <li>c. Preparedness: A description of the planned onsite equipment for spill response and its location. Spill clean-up materials and equipment appropriate to the type and quantity of hazardous materials shall be located onsite and personnel made aware of their location. Key employees shall be trained in spill response procedures in accordance with local, State, and federal regulations. Material safety data sheets (MSDSs) shall be kept onsite during</li> </ul>	Prepare and comply with spill response plan; document compliance with plan as necessary	Prior to and during construction, operation, and decommissioning	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>construction, operation, and decommissioning of the solar farm. Spill response materials including brooms, dust pans, mops, rags, gloves, absorbent pads/pillows/socks, sand/absorbent litter, sawdust, and plastic and metal containers will be kept onsite. The spill response plan shall also specify:</p> <ol style="list-style-type: none"> <li>1. The University's Hazardous Materials Management and Response Plan and spill response training.</li> <li>2. Local, state, and federal regulatory agency reporting procedures and phone numbers, as well as emergency response contractor contact information and local hospital contact information.</li> </ol> <p>d. Response Procedures: An outline of emergency response procedures, including physical spill clean-up procedures, reporting requirements, and stabilization techniques. Spill guidelines shall include the following:</p> <ol style="list-style-type: none"> <li>1. All spills shall be immediately cleaned up upon discovery;</li> <li>2. The spill area shall be kept well ventilated and personnel shall wear the appropriate protective clothing to prevent injury when cleaning up a spill;</li> <li>3. Reportable quantities of spills of hazardous materials shall be reported to the appropriate local, state, and federal authorities.</li> <li>4. All vehicles leaking oil or fluids shall be scheduled for maintenance, and drip plans shall be placed under the leak when parked prior to the maintenance event.</li> <li>5. A list of contact information for the appropriate local, state, and federal authorities shall be located in the transformer oil and hazardous materials transportation vehicle(s) at all times. Transformer oil spills during transportation shall be immediately reported to the appropriate local, state, and federal</li> </ol>			

Mitigation Monitoring and Reporting Program

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		authorities.			
HM-2	Construction, Operation, Decommissioning	During the construction and operational phases of the project, if herbicides are used to manage vegetation onsite, the contractor or personnel applying herbicides shall comply with all state and local regulations regarding herbicide use. Herbicides shall be mixed and applied in conformance with the product manufacturer's directions. The herbicide applicator shall be equipped with splash protection clothing and gear, chemical resistant gloves, chemical spill/splash wash supplies, and material safety data sheets (MSDSs) for all hazardous materials to be used. To minimize harm to wildlife, livestock, vegetation, and waterbodies, products identified as non-toxic to birds, small mammals, and livestock shall be used, and herbicides shall not be applied within 60 feet of any surface waterbody when water is present. Herbicides shall not be applied if it is raining at the site, rain is imminent, or the target area has puddles or standing water. Herbicides shall not be applied when wind velocity exceeds 10 miles per hour. If spray is observed to be drifting to a non-target location, spraying shall be discontinued until conditions causing the drift have abated.	Include in project specifications and denote on plans where needed; compliance verified by environmental monitor as necessary; document in monitoring reports	Prior to and during construction, operation, and decommissioning	Cal Poly
HM-3	Construction, Operation	Prior to the start of photovoltaic installation, in order to reduce hazards related to the effects of glare, the contractor shall install anti-reflective coating on the glass surfaces of panels.	Include in project specifications and denote on plans where needed; document compliance through field inspection	Prior to construction, during operation	Cal Poly
HM-4	Construction, Operation, Decommissioning	Prior to construction, a State Fire Marshall-approved or Cal Fire-approved fire safety plan shall be prepared for use during construction and operation. The fire safety plan shall contain notification procedures and emergency fire precautions including, but not limited to, the following:	Prepare and comply with fire safety plan; document compliance	Prior to construction, during operation and decommissioning	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<ul style="list-style-type: none"> <li>a. Identification of a water source for fire suppression, including onsite water storage for immediate use if necessary.</li> <li>b. Maintained vegetation clearance including a 30-foot clearance around onsite building(s) and 10-foot clearance around all other onsite structures.</li> <li>c. All internal combustion engines, stationary and mobile, shall be equipped with spark arresters. Spark arresters shall be in good working order.</li> <li>d. Light trucks and cars with factory installed (type) mufflers shall be used only on roads where the roadway is cleared of vegetation. Said vehicle types shall maintain their factory installed (type) muffler in good condition.</li> <li>e. Fire rules shall be posted in an area visible to employees.</li> <li>f. Equipment parking areas and small stationary engine sites shall be cleared of all extraneous flammable materials.</li> <li>g. Personnel shall be trained in the practices of the fire safety plan relevant to their duties. Construction and maintenance personnel shall be trained and equipped to extinguish small fires in order to prevent them from growing into more serious threats.</li> <li>h. Smoking shall be prohibited within the construction site.</li> </ul>	through field inspection		
HM-5	Construction, Operation	Prior to energization or final inspection, whichever occurs first, the contractor shall install electrical safety signage on all solar arrays in the immediate vicinity of all wiring and on all electrical conduit using weather resistant and fade proof materials. The purpose of this measure is to reduce the risk of electric shock and fire. Warning signs shall be designed to be evident to any person tampering with, working on, or dismantling project photovoltaic panels. Signs shall read: "CAUTION: Solar PV Wiring May Remain Energized After Disconnection During Daylight Hours. Tampering	Include in project specifications and denote on plans where needed; document compliance through field inspection	Prior to energization or final inspection, prior to and during operation	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		With Wiring May Result in ELECTRIC SHOCK or FIRE. Death or Serious Injury May Result. Do Not Expose Wires to Vegetation or Other Flammable Materials.”			
HM-6	Decommissioning	Prior to decommissioning, the contractor shall submit a recycling and disposal plan for photovoltaic panels and support structures for University review and approval, in order that project structures not pose a risk to human health or the environment after project decommissioning. The plan shall specify how these project components will be disposed of in a manner that will not pose a risk to human health or the environment.	Prepare and comply with recycling and disposal plan; document compliance through field inspection	Prior to and during decommissioning	Cal Poly
<b><i>Hydrology and Water Quality</i></b>					
HYD-1	Construction, Operation	<p>Prior to construction, the University shall prepare a drainage plan and supportive hydrologic analysis demonstrating compliance with the following or equitable measures to maximize groundwater recharge and maintain existing rain event flow rates and patterns:</p> <ol style="list-style-type: none"> <li>a. Off-site runoff shall not exceed existing flow rates during storm events.</li> <li>b. If required to maintain the current flow rate, detention/retention basins shall be installed to reduce local increases in runoff, particularly on frequent runoff events (up to 10-year frequency).</li> <li>c. If proposed, drainage discharge points shall include erosion protection and be designed such that flow hydraulics exiting the site mimics the natural condition as much as possible.</li> <li>d. Drainage from impervious surfaces (e.g., roads, driveways, buildings) shall be directed to a common drainage basin.</li> <li>e. Where feasible, grading and contouring shall be done in a way to direct surface runoff towards the above-referenced basins (and/or closed depressions).</li> </ol>	Prepare and comply with drainage plan; document compliance through plan check and field inspection	Prior to and during construction and operation	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<i>f. <u>The drainage plan and supporting hydrologic analysis shall be submitted to the California Department of Transportation for review and comment.</u></i>			
HYD-2	Construction	Prior to construction, drainage control and erosion control Best Management Practices (BMPs) shall be shown on all applicable construction plans. During construction, all grading activities shall occur during the dry season months, which are typically May through October. Alternatively, a settling pond shall be installed on the construction site with sufficient capacity to contain expected runoff during a rainfall event and located be able to catch all runoff from the 'active' area. If construction occurs during wet season months, which are typically November through April, all construction activities shall cease during rainfall events when rutting occurs across greater than 10 percent of a road or when rills more than 10 feet in length develop and lead off the road surface in the work area. The construction manager/contractor shall be responsible for suspending construction activities until the rainfall event has ceased and repairs to the rutting and/or rilling damage have been implemented. Approved drainage control and erosion control BMPs shall be in place prior to the typical wet season months (November 1).	Include in project specifications and denote on plans where needed; document compliance through plan check and field inspection	Prior to and during construction	Cal Poly
HYD-3	Construction	Prior to construction permits, a Sedimentation and Erosion Control Plan shall be prepared as a supplement to the project's required SWPPP to minimize potential downstream sedimentation. This Plan shall minimize the potential for project sediment to leave the project site and its components shall be incorporated into all applicable construction plans. During construction, at a minimum, straw wattles (or comparably effective devices [as determined by the onsite Civil Engineer, in consultation with the University]) shall be placed on the downslope sides of the proposed work which would direct flows into temporary sedimentation basins. This shall be checked and maintained regularly and after all larger storm events.	Prepare and comply with sedimentation and erosion control plan and Stormwater Pollution Prevention Plan; include in project specifications and denote on	Prior to and during construction	Cal Poly



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Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		All remedial work shall be done immediately after discovery so sedimentation control devices remain in good working order during the entire construction phase.	plans where needed; document compliance through plan check and field inspection		
HYD-4	Construction, Operation, Decommissioning	Prior to the construction and decommissioning phases, the construction manager/contractor shall identify the location of all fuels and hazardous materials storage areas on construction plans. Storage of fuels and hazardous materials shall be prohibited within 200 feet of surface water features, drainage swales, actively farmed agricultural areas, and private groundwater supply wells, and within 400 feet of community or municipal groundwater supply wells (if it is determined that such wells exist on or in close proximity to the project site).	Include in project specifications and denote on plans where needed; document compliance through plan check and field inspection	Prior to and during construction, operation, decommissioning	Cal Poly
	Construction, Operation, Decommissioning	During ground disturbing activities, construction, operation, and decommissioning, all vehicles and equipment, including all hydraulic hoses, shall be maintained in good working order so that they are free of any and all leaks that could escape the vehicle or contact the ground, and to ensure that any leaks or spills during maintenance or storage can be easily and properly removed.	Include in project specifications and denote on plans where needed; document compliance through field inspection	Prior to and during construction, operation, decommissioning	Cal Poly
<b>Noise</b>					
MM N-1	Construction, Decommissioning	Cal Poly Standard Requirements A. The requirements of the Article are in addition to those of Article 4.02 of the Contract General Conditions. B. Maximum noise levels within 1,000 feet of any classroom, laboratory, residence, business, adjacent buildings, or other populated area; noise levels for trenchers, pavers, graders and trucks shall not exceed	Include in project specifications and denote on plans where needed; verify compliance in	Prior to final specification and plan approval; field check during construction	Cal Poly

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>90 dBA at 50 feet as measured under the noisiest operating conditions. For all other equipment, noise levels shall not exceed 85 dBA at 50 feet.</p> <p>C. Equipment: equip jackhammers with exhaust mufflers and steel muffling sleeves. Air compressors should be of a quiet type such as a "whisperized" compressor. Compressor hoods shall be closed while equipment is in operation. Use electrically powered rather than gasoline or diesel powered forklifts. Provide portable noise barriers around jack hammering, and barriers constructed of 3/4-inch plywood lined with 1-inch thick fiberglass on the work side.</p> <p>D. Operations: keep noisy equipment as far as possible from noise-sensitive site boundaries. Machines should not be left idling. Use electric power in lieu of internal combustion engine power wherever possible. Maintain equipment properly to reduce noise from excessive vibration, faulty mufflers, or other sources. All engines shall have properly functioning mufflers.</p> <p>E. Scheduling: schedule noisy operations so as to minimize their duration at any given location, and to minimize disruption to the adjoining users. Notify the Trustees and the Architect in advance of performing work creating unusual noise and schedule such work at times mutually agreeable.</p> <p>F. Do not play radios, tape recorders, televisions, and other similar items at construction site.</p> <p>G. When work occurs in or near occupied buildings, the Contractor is cautioned to keep noise associated with any activities to a minimum. If excessively noisy operations that disrupt academic activities are anticipated, they must be scheduled after normal work hours.</p> <p>H. All work in the area of the residence halls will be restricted to 10:00 a.m. to 10:00 p.m., seven days per week, throughout the year. No work will be allowed in the residence hall areas during the finals week. University reserves the right to stop construction work, including but not limited to noisy work, during the</p>	field through inspection		

Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
		<p>following events: Spring and Winter Commencement, Open House, Finals Week, residence hall move-in, or at other times that may be identified by the University. University reserves the right to stop noisy work at any time when said work disrupts classes or other planned events.</p>			
<b>Transportation/Traffic</b>					
MM TR-1	Construction, Decommissioning	<p>Circulation Plan. Where vehicle and pedestrian routes and residential areas conflict with construction activities, a circulation plan will be developed, which will include warning signs and detours, as well as efforts to minimize noise in residential areas.</p>	Prepare and comply with circulation plan	Prior to construction/ decommissioning	Cal Poly
TR-1	Construction, Decommissioning	<p>Prior to construction, the University shall ensure that a “Construction Traffic Management and Safety Plan” is prepared to ensure all personnel are trained and aware of safe ingress and egress from the project site. The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>a. Identification of the construction traffic route, including ingress and egress to and from the project site.</li> <li>b. Prohibition of the use of Colony Drive (California Men’s Colony access entrance) for u-turns either on Highway 1 or within the California Men’s Colony property.</li> <li>c. Installation of temporary signage on Highway 1, pursuant to approval/encroachment permit from the California Department of Transportation notifying northbound vehicles and bicyclists of the construction area and construction access point.</li> <li>d. Avoidance of haul and construction trips during AM and PM peak hours to the maximum extent possible.</li> <li>e. Maximum 10 mph speed on the proposed access road.</li> <li>f. Use of a flagger or camera to ensure safe ingress/egress to Highway 1, based on the results</li> </ul>	Prepare and comply with construction traffic management and safety plan; verify compliance through field inspection	Prior to construction/ decommissioning	Cal Poly

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Mitigation Measure	Project Phase(s)	Requirements of Measure	Compliance Method	Verification Timing	Responsible Party
of a completed sight distance analysis.					

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