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February 14, 2024**Subject:** Perkins Renewable Energy Project Opt-In Application

Dear Mr. Knight,

Intersect Power is pleased to submit the enclosed Opt-In Application for certification of the Perkins Renewable Energy Project (Project) by the California Energy Commission (CEC) through the Opt-In Certification process under Assembly Bill (AB) 205.

IP Perkins, LLC, IP Perkins BAAH, LLC, and related affiliates (collectively, "Applicant"), subsidiaries of Intersect Power, LLC propose to construct, operate, maintain, and decommission a 1,150 megawatt (MW) solar photovoltaic (PV) facility and battery energy storage system (BESS) on public lands administered by the U.S. Bureau of Land Management (BLM) and Bureau of Reclamation (BOR), as well as private lands, located southeast of El Centro in Imperial County, California.

The enclosed opt-in application has been prepared in accordance with CEC requirements and California Code of Regulations (CCR) Title 20, Appendix B. The following sections are included in today's submittal:

Section Number	Title
1.0	Executive Summary
2.0	Project Description
3.0	Engineering
4.0	Environmental Analysis
4.1	Air Quality
4.2	Biological Resources
4.3	Cultural Resources
4.4	Geological Hazards and Resources

4.5	Hazardous Materials
4.6	Land Use
4.7	Noise
4.8	Paleontological Resources
4.9	Public Health
4.10	Socioeconomics
4.11	Soils
4.12	Traffic and Transportation
4.13	Visual Resources
4.14	Waste Management
4.15	Water Resources
4.16	Wildfire
4.17	Worker Safety
Appendix A	Legal Land Description and Existing Authorizations and Leaseholders on BLM Lands
Appendix B	Public Notification Package
Appendix C	List of Preparers
Appendix D	Preliminary Best Management Practices, Project Design Features, and Conservation and Management Actions
Appendix E	Other CEC Requirements
Appendix F	Site Plan
Appendix G	2D Hydraulic Study
Appendix H	Air Quality Technical Report
Appendix I	Management Plans
Appendix J	Biological Technical Support
Appendix K	Streambed Alteration Agreement Information
Appendix L	Waste Discharge Requirement Information
Appendix M	Biological Resources Management Plans

Appendix N.1	Cultural Record Search (Confidential)
Appendix O	Geotechnical Report
Appendix P	Phase I ESA
Appendix Q.1	Paleontological Fossil Yield Classification (Confidential)
Appendix R	Socioeconomic, Economic Impact, and Fiscal Analysis (Confidential)
Appendix S	Community Benefits Agreement 1, 2, 3
Appendix T	Transportation Impact Analysis Report
Appendix W	Corridor Conflict Assessment

In addition, the following sections will be provided in subsequent submittals:

Section Number	Title	Expected Submission Date
Appendix J.7	Addendum to Biological Resource Technical Report (BOR and private lands)	May 2024
Appendix N.2	Archaeological Inventory Report	June 2024
Appendix Q.2	Paleontological Resources Technical Report	June 2024
Appendix U	Visual Resources Technical Report	March 2024
Appendix V	Groundwater Resources Technical Report	April 2024

Please don't hesitate to reach out with any questions or concerns regarding the Perkins Renewable Energy Project opt-in application. Thank you so much for your consideration.

Sincerely,

Camille Wasinger
Sr. Director, Environmental & Permitting
Intersect Power

Table 1 Opt-in Application Requirements from 20 CCR Div. 2 Ch. 5 App. B

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(a)(1)(A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities...and other general characteristics	1 Executive Summary 2.3.2 Solar Facility Description Overview 2.4.1 Transmission System Description
(a)(1)(A)	fuel characteristics, fuel supply routes and facilities, pollution control systems	1.4 Project Elements
(a)(1)(A)	water supply routes and facilities	1.4 Project Elements 2.3.2 Solar Facility Description
(a)(1)(B)	Identification of the location of the proposed site and related facilities by section, township, range, county, and assessor’s parcel numbers	2.2.3 Legal Description, ROW, and Leaseholds Appendix A Legal Land Description and Existing Authorizations and Leaseholders on BLM Lands
(a)(1)(C)	A description of and maps depicting the region, the vicinity and the site and its immediate surroundings	1.3 Project location 2.2.1 Regional Setting, Figure 2.1-1 Regional Setting 2.2.2 Project Application Area and Vicinity Figure 2.1-2 Project Vicinity Figure 2.3-1 and 2.3-1 Project Layout
(a)(1)(D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction,	Due to the size of the Project Application Area, over 6,000 acres, it is infeasible to capture the full site in a one-page reproduction. Section 4.13: Visual Resources provides a visual depiction of the existing conditions through several photos.
(a)(1)(D)	and a full-page color simulation or artist’s rendering of the site and all project components at the site, after construction	Due to the size of the Project Application Area, over 6,000 acres, it is infeasible to capture the full Project site, BAAH switchyard, and loop-in transmission line in one full-page color photographic reproduction, so several simulations will be provided.
(a)(1)(E)	In an appendix to the application, a list of current assessor’s parcel numbers and owners’ names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities	2.2.4 Parcel Notification Appendix B
(a)(2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	1.5 Project Schedule
(a)(3)(A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, the thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities	1.6 Project Ownership 2.1.3 Applicant and Other Responsible Entities <i>Project is not a geothermal project</i>
(a)(3)(B)	A list of all owners and operators of the proposed electric transmission facilities	1.6 Project Ownership 2.1.3 Applicant and Other Responsible Entities
(a)(3)(C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	1.6 Project Ownership 2.1.3 Applicant and Other Responsible Entities

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(b)(1)(A)	In a section entitled, "Generation Facility Description, Design, and Operation" provide the following information: Maps at a scale of 1:24,000 (1" = 2,000'), (or appropriate map scale agreed to by staff) along with an identification of the <i>dedicated leaseholds</i> by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities	2.2.3 Legal Description, ROW, and Leaseholds Appendix A Legal Land Description and Existing Authorizations and Leaseholders on BLM Lands
(b)(1)(B)	In a section entitled, "Generation Facility Description, Design, and Operation" provide the following information: Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities to establish the accuracy of the photo simulations required in Sections (a)(1)(D) and (g)(6)(F)	2.3.2 Solar Facility Description (2.3 is "Generation Facility Description, Design, and Operation") Appendix F Site Plan
(b)(1)(C)	In a section entitled, "Generation Facility Description, Design, and Operation" provide the following information: A detailed description of the design, construction and operation of the facilities, specifically including the power generation,	2.3.2 Solar Facility Description 2.3.3 Solar Facility Construction
(b)(1)(C)	<i>cooling,</i>	<i>Not applicable</i>
(b)(1)(C)	water supply and treatment,	2.3.2 Solar Facility Description 2.3.3 Solar Facility Construction Construction Water Supply and Use
(b)(1)(C)	waste handling and control,	2.3.2 Solar Facility Description 2.3.3. Solar Facility Construction Construction Waste Management
(b)(1)(C)	pollution control, fuel handling, and fuel types and fuel use scenarios	2.3.2 Solar Facility Description 2.3.3. Solar Facility Construction Pollution Prevention, Erosion and Sediment Control
(b)(1)(C)	and safety, emergency and auxiliary systems	2.3.2 Solar Facility Description Emergency and Auxiliary Systems
(b)(1)(D)	In a section entitled, "Generation Facility Description, Design, and Operation" provide the following information: A description of how the site and related facilities were selected and the consideration given to the engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant	2.3 Generation Facility Description, Design, and Operation
(b)(2)(A)	In a section entitled, "Transmission Lines Description, Design, and Operation" provide the following information: Maps at a scale of 1:24,000 (or appropriate map scale agreed to by staff) of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s)	2.4 Transmission System and Lines Description, Design, and Operation Figure 4.6-6 Sensitive Receptors
(b)(2)(B)	In a section entitled, "Transmission Lines Description, Design, and Operation" provide the following information: A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction	2.2.2 Project Application Area and Vicinity Figure 3.13-5 Viewpoint 4B provides a photographic reproduction of existing conditions at the loop-in transmission line Simulation will be coming
(b)(2)(C)	In a section entitled, "Transmission Lines Description, Design, and Operation" provide the following information: A detailed description of the design, construction and operation of any electric transmission facilities, such as powerlines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights-of-way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators	2.4 Transmission System Line Description, Design, and Operation

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(b)(2)(D)	In a section entitled, "Transmission Lines Description, Design, and Operation" provide the following information: A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints	2.4.1 Transmission Line Route 2.4.2 Transmission Line Considerations
(b)(2)(E)	In a section entitled, "Transmission Lines Description, Design, and Operation" provide the following information: A completed System Impact Study or signed System Impact Study Agreement with the California Independent System Operator and proof of payment. When not connecting to the California Independent System Operator controlled grid, provide the executed System Impact Study agreement and proof of payment to the interconnecting utility. If the interconnection and operation of the proposed project will likely impact a transmission system that is not controlled by the interconnecting utility (or California Independent System Operator), provide evidence of a System Impact Study or agreement and proof of payment (when applicable) with/to the impacted transmission owner or provide evidence that there are no system impacts requiring mitigation.	2.4.3 Transmission Line Need and Capacity System Impact Study
<i>(b)(3) and all subsections</i>	<i>Applications for geothermal facilities shall contain the following additional information:</i>	<i>Not applicable; geothermal is not proposed by the Project</i>
<i>(c)</i>	<i>Reserved</i>	<i>Not applicable/no requirement</i>
<i>(d) and all subsections</i>	<i>Information for Projects which Completed the NOI Process</i>	<i>Not applicable; the Project has not completed an NOI process prior to the Opt-in application submittal</i>
(e)(1)	A discussion of how the facility closure will be accomplished in the event of premature or unexpected cessation of operations.	2.5 Project Termination, Rehabilitation, and Decommissioning
(f)(1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	5.0 Alternatives
(f)(2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussion in subsection (f)(1)	5.0 Alternatives
(g) Environmental Information (1) General Information	General Information: For each technical area listed below, provide a discussion of the existing site conditions, the expected direct, indirect, and cumulative impacts due to the construction, operation, and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. Additional requirements specific to each technical area are listed below.	4.0 through 4.17
(g)(2)(A) Cultural Resources	A summary of the ethnology, prehistory, and history of the region with emphasis on the area within no more than a 5-mile radius of the project location. This regional summary must address the potential for buried cultural resources and tribal cultural resources to occur in the project area. The summary, together with literature search results, must inform the field methods employed for identifying cultural resources and tribal cultural resources in the project area.	4.3.1 Affected Environment

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(2)(B)	<p>The results of a literature search to identify cultural resources and tribal cultural resources within an area not less than a 1-mile radius around the project site and not less than one-quarter (0.25) mile on each side of the linear facilities. Identify any cultural resources or tribal cultural resources listed pursuant to ordinance by a city or county, or recognized by any local historical or archaeological society or museum. Literature searches to identify the above cultural resources and tribal cultural resources must be completed by, or under the direction of, individuals who meet the Secretary of the Interior's Professional Standards for the technical area addressed.</p> <p>Copies of California Department of Parks and Recreation (DPR) 523 forms (Title 14 CCR § 4853) shall be provided for all cultural resources and tribal cultural resources (ethnographic, architectural, historical, and archaeological) identified in the literature search as being 45 years or older or of exceptional importance as defined in the National Register Bulletin Guidelines (36CFR60.4(g)). A copy of the USGS 7.5-minute quadrangle map of the literature search area delineating the areas of all past surveys and noting the California Historical Resources Information System (CHRIS) identifying number shall be provided. Copies also shall be provided of all technical reports whose survey coverage is wholly or partly within 0.25 mile of the area surveyed for the project under Section (g)(2)(C), or which report on any archaeological excavations or architectural surveys within the literature search area.</p>	4.3.2 Research Design for the Cultural Resources Inventory Appendix N.1 Cultural Records Search (Confidential)
(g)(2)(C)	<p>The results of new cultural resource and tribal cultural resource surveys or surveys less than 5 years old shall be provided if survey records of the area potentially affected by the project are more than five (5) years old. Surveys to identify new cultural resources and tribal cultural resources must be completed by (or under the direction of) individuals who meet the Secretary of the Interior's Professional Standards for the technical area addressed.</p> <p>New pedestrian archaeological surveys shall be conducted inclusive of the project site and project linear facility routes, extending to no less than 200 feet around the project site, substations and staging areas, and to no less than 50 feet to either side of the right-of-way of project linear facility routes. New historic architecture field surveys in rural areas shall be conducted inclusive of the project site and the project linear facility routes, extending no less than 0.5 mile out from the proposed plant site and from the routes of all above-ground linear facilities. New historic architecture field surveys in urban and suburban areas shall be conducted inclusive of the project site, extending no less than one parcel's distance from all proposed plant site boundaries. New historic architecture field reconnaissance ("windshield survey") in urban and suburban areas shall be conducted along the routes of all linear facilities to identify, inventory, and characterize structures and districts that appear to be older than 45 years or that are exceptionally significant, whatever their age.</p> <p>A technical report of the results of the new surveys, conforming to the Archaeological Resource Management Report format (CA Office of Historic Preservation Feb 1990), which is incorporated by reference in its entirety, shall be separately provided and submitted (under confidential cover if archaeological resource or other sensitive resource locations are included). Information included in the technical report shall also be provided in the application, except that confidential information (archaeological sites, other sensitive resources, or areas of religious significance) shall be submitted under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq. At a minimum, the technical report shall include the following:</p>	Will be provided in Appendix N.2 (Confidential)
(g)(2)(C)(i)	The summary from Appendix B (g)(2)(A) and the literature search results from Appendix B (g)(2)(B).	4.3.2 Research Design for the Cultural Resources Inventory
(g)(2)(C)(ii)	The survey procedures and methodology used to identify cultural and tribal cultural resources and a discussion of the cultural and tribal cultural resources identified by the survey.	4.3.2 Research Design for the Cultural Resources Inventory Will be provided in Appendix N.2 (Confidential)
(g)(2)(C)(iii)	Copies of all new and updated DPR 523(A) forms. If a cultural resource or tribal cultural resource may be impacted by the project, also include the appropriate DPR 523 detail form for each such resource.	Appendix N.1 Cultural Records Search (Confidential)
(g)(2)(C)(iv)	A map at a scale of 1:24,000 (U.S. Geological Survey topographic quadrangle) depicting the locations of all previously known and newly identified cultural and tribal cultural resources compiled through the research required by Appendix B (g)(2)(B) and Appendix B (g)(2)(C) (ii).	Appendix N.1 Cultural Records Search (Confidential) Will be provided in Appendix N.2 (Confidential)
(g)(2)(C)(v)	The names and qualifications of the cultural resources specialists who contributed to and were responsible for literature searches, surveys, and preparation of the technical report.	Appendix N.1 Cultural Records Search (Confidential)

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(2)(D)	Provide:	
(g)(2)(D)(i)	A copy of the applicant's request to the Native American Heritage Commission (NAHC) for information on Native American sacred sites and lists of Native Americans interested in the project vicinity, and copies of any correspondence received from the NAHC.	Appendix N.1 Cultural Records Search (Confidential)
(g)(2)(D)(ii)	A copy of all correspondence sent to Native American individuals and groups listed by the NAHC and copies of all responses. Notification to Native Americans shall include a project description and map.	Appendix N.1 Cultural Records Search (Confidential)
(g)(2)(D)(iii)	A written summary of any oral responses.	4.3.2 Research Design for the Cultural Resources Inventory
(g)(2)(E)	Include in the discussion of proposed mitigation measures required by subdivision (g)(1):	4.3.5 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(2)(E)(i)	A discussion of measures proposed to mitigate project impacts to known cultural and tribal cultural resources;	4.3.5 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(2)(E)(ii)	A set of contingency measures proposed to mitigate potential impacts to previously unknown cultural and tribal cultural resources and any unanticipated impacts to known cultural or tribal cultural resources;	4.3.5 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(2)(E)(iii)	Educational programs to enhance employee awareness during construction and operation to protect cultural and tribal cultural resources.	4.3.5 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(3) Land Use (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities include:	4.6.1 Environmental Setting
(g)(3)(A)(i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	4.6.1 Environmental Setting
(g)(3)(A)(ii)	A discussion of any recent or proposed zone changes and/or general plan amendments; noticed by an elected or appointed board, commission or similar entity at the state or local level.	None applicable to the site
(g)(3)(A)(iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	None applicable to the site
(g)(3)(A)(iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	4.6.1 Environmental Setting Figure 4.6-1 Project Location Figure 4.6-2 DRECP Energy Land Use Designations and BLM Energy Corridors Figure 4.6-3 BLM DRECP Conservation and Recreation Designations Figure 4.6-4 Imperial County Land Use Designations Figure 4.6-4 Farmland Designations
(g)(3)(B)	A discussion of the compatibility of the proposed project with present and expected land uses, and conformity with any long-range land use plans and policies adopted by any federal, state, regional, or local planning agencies. The discussion shall identify the need, if any, for land use decisions by another public agency or as part of the commission's decision that would be necessary to make the project conform to adopted federal, state, regional, or local coastal plans, land use plans, or zoning ordinances. Examples of land use decisions include: general plan amendments, zoning changes, lot line adjustments, parcel mergers, subdivision maps, Agricultural Land Conservation Act contracts cancellation, and Airport Land Use Plan consistency determinations.	4.6.1 Environmental Setting 4.6.2 Environmental Consequences

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(3)(C)	A discussion of the legal status of the parcel(s) on which the project is proposed. If the proposed site consists of more than one legal parcel, describe the method and timetable for merging or otherwise combining those parcels so that the proposed project, excluding linears and temporary laydown or staging area, will be located on a single legal parcel. The merger need not occur prior to a decision on the Application but must be completed prior to the start of construction.	4.6.1 Environmental Setting Appendix B
(g)(3)(D)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	No agriculture lands are impacted as noted in 4.6.1 Environmental Setting Figure 4.6-4 Farmland Designations
(g)(3)(D)(i)	Land classifications as shown on the California Department of Conservation's Farmland Mapping and Monitoring Program's Important Farmland maps, crop types, irrigation systems, and any special cultivation practices; and	Figure 4.6-4 Farmland Designations
(g)(3)(D)(ii)	Whether agricultural land affected by the project was historically classified Farmland as defined by the California Department of Conservation (Prime Farmland, Farmland of Statewide Importance, or Unique Farmland) as specified in Public Resources Code section 21060.1; and	No agriculture lands are impacted as noted in 4.6.1 Environmental Setting Figure 4.6-4 Farmland Designations
(g)(3)(D)(iii)	Direct, indirect, and cumulative effects on agricultural land uses. If the proposed site or related facilities are subject to an Agricultural Land Conservation Contract, provide a written copy and a discussion of the status of the expiration or canceling of such contract.	The Project is not on lands under Agricultural Land Conservation Contract 4.6.2 Environmental Consequences
(g)(4) Noise (A)	A land use map which identified residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area potentially impacted by the proposed project is that area where, during either construction or operation, there is a potential increase of 5 dB(A) or more, over existing background levels.	Figure 4.6-6 Sensitive Receptors
(g)(4)(B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provides a representative characterization of the ambient noise levels of the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored by a lesser duration at the applicant's discretion, preferably during the same 25-hour period. The results of the noise level measurements shall be reported as hourly averages in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L10, L50, and L90 values (noise level exceeds 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A).	4.7.1 Environmental Setting, noise measurements were not taken for the full 25-hour period due to the existing low noise setting and the limited nearby noise receptor.
(g)(4)(C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	4.7.1 Environmental Setting 4.7.2 Impact Analysis
(g)(4)(D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Due to the distance between the Project and the areas listed here, no estimate of project noise levels was calculated.
(g)(4)(E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impacts to the workers at the site due to the estimated noise levels.	4.7.2 Impact Analysis Table 4.7-3
(g)(4)(F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project, and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	4.7.2 Impact Analysis
(g)(5) Traffic and Transportation (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Appendix T Transportation Impact Analysis Report

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(5)(B)	If the proposed project including any linear facility is to be located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction, discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 -- Safe, Efficient Use, and Preservation of the Navigable Airspace, specifically any potential to obstruct or impede air navigation generated by the project during construction or operation; such as, a thermal plume, a visible water vapor plume, glare, electrical interference, or surface structure height. The discussion should include:	<i>The Project is not located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction.</i>
(g)(5)(B)(i)	A map at a scale of 1:24,000 that displays the airport or airstrip runway configuration, the airport influence area including all safety zones, and the proposed power plant site and related facilities;	<i>The Project is not located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction.</i>
(g)(5)(B)(ii)	A thermal plume analysis that describes the plume's velocity:	<i>The Project is not located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction.</i>
(g)(5)(B)(iii)	A discussion of the project's conformance with applicable Airport Land Use Compatibility Plan policies; and	<i>The Project is not located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction.</i>
(g)(5)(B)(iv)	Copies of FAA Form 7460-1, Notice of Proposed Construction or Alteration, that were submitted or approved for any project component requiring notice.	<i>The Project is not located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction.</i>
(g)(5)(C)	An evaluation of the project's potential impacts related to vehicle miles traveled (VMT) that may include:	Impact TR-2, 4.12.2 Impact Analysis
(g)(5)(C)(i)	The local jurisdiction's thresholds of significance;	Impact TR-2, 4.12.2 Impact Analysis
(g)(5)(C)(ii)	Methodologies (such as local VMT Evaluation Tool)	Impact TR-2, 4.12.2 Impact Analysis
(g)(5)(C)(iii)	VMT heat maps;	In accordance with CEQA Guidelines section 15043.3(b.3), a qualitative analysis of construction traffic would be appropriate for the Project, heat maps were not prepared.
(g)(5)(C)(iv)	Transportation demand management plans and any documents supporting the project applicant's CEQA determination.	4.12.2 Impact Analysis Appendix T
(g)(5)(D)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines (including light rail), bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	4.12.1 Environmental Setting Appendix T
(g)(5)(D)(i)	Road classification and design capacity;	4.12.1 Environmental Setting Appendix T
(g)(5)(D)(ii)	Current daily average and peak traffic counts;	4.12.1 Environmental Setting Appendix T
(g)(5)(D)(iii)	Current and projected levels of service before project development, during construction, and during project operation;	4.12.1 Environmental Setting Table 4.12-2 4.12.2 Impact Analysis Table 4.12-3 Appendix T
(g)(5)(D)(iv)	Weight and load limitations;	4.12.1 Environmental Setting

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(5)(D)(v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	4.12.1 Environmental Setting Table 4.12-2 Appendix T
(g)(5)(D)(vi)	An identification of any road features affecting public safety.	4.12.1 Environmental Setting 4.12.2 Impact Analysis Appendix T
(g)(5)(E)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified in subsection (g)(5)(D). Also include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(D). Include:	4.12.2 Impact Analysis Appendix T
(g)(5)(E)(i)	Estimated one-way trip lengths for workers, deliveries, and truck haul trips generated by the construction of the project.	4.12.2 Impact Analysis Appendix T
(g)(5)(E)(ii)	Description of public roadways and intersections temporarily or permanently altered by construction and operation including the duration of activities.	4.12.2 Impact Analysis Appendix T
(g)(5)(F)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	4.12.2 Impact Analysis
(g)(6) Visual Resources (A)	Provide a description of the existing landscape (built or natural) where the proposed project is to be sited and the vicinity, and along the proposed routes for any above-ground project-related linear facilities. Include:	4.13.1 Environmental Setting
(g)(6)(A)(i)	Show on a map(s) (pinpoint) any designated or recognized scenic vista and scenic resource within a five-mile radius of the project and one-mile radius of a project-related linear facility. Include:	There are no scenic vistas or scenic resources within a five-mile radius of the Project Application Area.
(g)(6)(A)(i)(a)	Any designated scenic vista and scenic resource in an adopted federal, state, county, or city government planning document, plan, or regulation.	There are no planned scenic vistas or scenic resources within a five-mile radius of the Project Application Area.
(g)(6)(A)(i)(b)	A natural feature or object that is a part of the land, such as a geologic distinguishing characteristic (e.g., laccolith), geomorphologic feature (e.g., gorge), or other terrain feature (e.g., a water body, open space, or tree recognized for its aesthetic, botanical and ecological value, or age, rarity, and size).	4.13.1 Environmental Setting
(g)(6)(A)(i)(c)	A man-made feature or object that embodies elements of architecture or engineering design, detail, materials or craftsmanship that represent a significant innovation or is unique, such as the California State Capitol, Golden Gate Bridge, or Hollywood Sign.	There are no such features within the Project Application Area.
(g)(6)(A)(i)(d)	Explain does the project eliminate or obstruct the public view (the visible area from a location where the public has a legal and physical right of access to real property) of a scenic vista and scenic resource? Is the project situated so that it changes the visual aspect of a scenic resource by being different or in sharp contrast?	4.13.2 Impact Analysis There are no scenic vistas or scenic resources within a five-mile radius of the Project Application Area.
(g)(6)(A)(ii)	Describe the existing nighttime lighting on the project site and in the vicinity.	4.13.1 Environmental Setting
(g)(6)(B)	In accordance with CEQA Guidelines as found in 14 CCR Division 6, Chapter 3, Appendix G Environmental Checklist Form, I. Aesthetics c, if the project is to be constructed within an "urbanized area" as defined in Public Resources Code section 21071, explain the project's conformance with the city/county General Plan, and city municipal code or county government code (e.g., zoning) governing scenic quality.	The project would not be constructed within an "urbanized area" as defined in Public Resources Code section 21071.
(g)(6)(C)	In accordance with CEQA Guidelines as found in 14 CCR Division 6, Chapter 3, Appendix G Environmental Checklist Form, I. Aesthetics c, if the project is to be constructed within a non-urbanized area provide the following:	

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(6)(C)(i)	Show on a map the pinpoint location of the key observation point(s) (KOP) for the project. A KOP is a fixed position in a publicly accessible location where a public view of the project is analyzed and/or evaluated in the landscape. Objects of aesthetic significance are the primary focus in the KOP selection.	4.13.1 Environmental Setting
(g)(6)(C)(ii)	If an object of aesthetic significance is not in the vicinity of the project, a KOP is to be selected based on importance to stakeholders, visibility, direct public selection, worst-case scenario, or other reason. Explain the reason the KOP was chosen. At a minimum two KOPs are to be selected.	4.13.1 Environmental Setting
(g)(6)(C)(iii)	Provide a color photograph(s) showing an actual line of sight at eye level during daytime and clear weather from the KOP to the project site prior to any alteration (existing condition). The photographer at the KOP is to use a standard lens. For each photograph provide the following information: camera type, lens focal length, viewing angle; date and time the photograph was taken, and the distance to the project site.	4.13.1 Environmental Setting Figure 4.13-2 Viewpoint 1C Figure 4.13-3 Viewpoint 2 Figure 4.13-4 Viewpoint 3 Figure 4.13-5 Viewpoint 4B
(g)(6)(C)(iv)	Using the photograph from the KOP provide a spatially accurate and realistically photo manipulated computer simulated image of the project (photo-realistic simulation) one-year after completion of construction (existing condition plus proposed project).	Will be provided in Section 4.13.1
(g)(6)(C)(v)	The KOP photograph and the photo-realistic simulation are to be capable of 11" x 17" color print by a printer capable at a minimum 600 dots per inch output resolution.	Will be provided in Section 4.13.1
(g)(6)(C)(vi)	Provide a copy of the KOP photograph(s) and photo-realistic simulation(s) in an electronic file.	Will be provided in Section 4.13.1
(g)(6)(D)	Show and describe the project in the landscape.	4.13.1 Regional Setting
(g)(6)(D)(i)	Provide an 8.5" x 11" sized scaled elevation(s) of project buildings, structures, and major equipment; a table listing their dimensions (height, length, width, diameter).	Will be provided in Section 4.13.1
(g)(6)(D)(ii)	Provide a table and description of the exterior surface treatments and finishes for the buildings, structures, major equipment (e.g., colors, flat and/or textured finishes), and structural materials.	4.13.2 Impact Analysis Table 4.13-3 Project Site Components
(g)(6)(D)(iii)	Describe project specific architectural treatment or design technique mitigation unique to the project's siting at the location (e.g., camouflage, disguise, screen), if any.	4.13.4 Proposed Best Management Practices, Project Design Features, and Conservation Management Actions
(g)(6)(D)(iv)	Provide a project specific conceptual landscape design plan that conforms with the city municipal code or county government code. Include:	Project is located in a desert environment where landscaping would not be part of the project.
(g)(6)(D)(iv)(a)	the type of plant and/or tree species, location, quantity, size, spacing at installation/planting, expected growth rates, and expected heights at one-year, five years, and maturity. Specify irrigation system components and show their locations	Project is located in a desert environment where landscaping would not be part of the project.
(g)(6)(D)(iv)(b)	the calculated total pervious surface amount for the project site; include the surface to be replaced, the new surface, and the total area to be landscaped.	Project is located in a desert environment where landscaping would not be part of the project.
(g)(6)(D)(v)	Provide a project specific conceptual outdoor lighting control and management plan (lighting plan) and explain the control of reflectance from exterior surfaces offsite that conform with the city municipal code or county government code.	4.13.2 Impact Analysis
(g)(6)(D)(v)(a)	Provide a list of the project-specific luminaires, identify the design (e.g., full cutoff, semi cutoff, non cutoff) and indicate if the luminaires have the International Dark-Sky Association Fixture Seal of Approval to the extent feasible consistent with safety and security considerations. Show the project-specific luminaires locations on a diagram or elevation.	4.13.2 Impact Analysis

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(6)(D)(v)(b)	Describe reflectance, the intensity of the specular reflectance from the exterior surface of the project's large buildings, structures, and major equipment offsite to the surrounding area (e.g., the light reflected from the shiny surface). The reflectance of the object--how bright it shines--depends on the intensity of the light striking it and the materials from which it is made (e.g., glass, reinforced concrete, structural steel).	4.13.2 Impact Analysis
(g)(6)€	If the project is to use a cooling tower emitting a publicly visible water vapor plume (visible plume) in the atmosphere provide the following information:	<i>This is not applicable to the Project.</i>
(g)(6)(E)(i)	Provide the cooling tower's number of fan cells, the fan cell stack height and diameter, the exhaust mass flow rate, heat rejection rate, and exhaust temperature.	<i>This is not applicable to the Project.</i>
(g)(6)(E)(ii)	Provide fogging curves specific to the cooling tower's exhaust discharge for at least three ambient air temperature conditions (a low, average, and high temperature condition).	<i>This is not applicable to the Project.</i>
(g)(6)(E)(iii)	Explain if the project's forecasted visible plume emitted in the atmosphere by the cooling tower would eliminate or obstruct an existing public view of a designate or recognized scenic vista, scenic resource, and the existing visual character or quality of public views of the site and its surroundings.	<i>This is not applicable to the Project.</i>
(g)(7) Socioeconomics (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	4.10.1 Environmental Setting
(g)(7)(A)(i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	4.10.1 Environmental Setting
(g)(7)(A)(ii)	The social characteristics, including populations and demographic and community trends;	4.10.1 Environmental Setting
(g)(7)(A)(iii)	Existing and projected unemployment rates;	4.10.1 Environmental Setting Figure 4.10-5 4.12.2 Impact Analysis
(g)(7)(A)(iv)	Availability of skilled workers by occupation required for construction and operation of the project;	4.10.1 Environmental Setting
(g)(7)(A)(v)	Availability of temporary and permanent housing and current vacancy rate; and	4.10.1 Environmental Setting
(g)(7)(A)(vi)	Capacities, service standards, existing and expected use levels, and planning expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, school districts, parks and recreation facilities, libraries, and other public facilities. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, including project-related changes, for the duration of the project construction schedule.	4.10.1 Environmental Setting
(g)(7)(B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project (note year of estimate, model, if used, and appropriate sources), including:	4.10.2 Impact Analysis
(g)(7)(B)(i)	An estimate of the number of workers to be employed each month by occupation during construction, and for operations, an estimate of the number of permanent operations workers during a year;	4.10.2 Impact Analysis
(g)(7)(B)(ii)	An estimate of the percentage of non-local workers who will relocate to the project area to work during the project construction and operation;	4.10.2 Impact Analysis
(g)(7)(B)(iii)	An estimate of the potential population increase caused directly and indirectly by the project;	4.10.2 Impact Analysis
(g)(7)(B)(iv)	The potential impact of population increase on housing during the construction and operations phase;	4.10.2 Impact Analysis

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(7)(B)(v)	The potential impacts, including additional costs and ability to meet local service standards, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. Include response times to hospitals and for police protection, fire protection, emergency services, parks and recreation facilities, libraries, and other public facilities. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operating phases;	4.10.2 Impact Analysis
(g)(7)(B)(vi)	An estimate of applicable school impact fees;	4.10.1 Environmental Setting
(g)(7)(B)(vii)	An estimate of the total construction payroll and separate estimates of the total operation payroll for permanent and short-term (contract) operations employees;	Appendix R (Confidential)
(g)(7)(B)(viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project;	4.10.2 Impact Analysis Table 4.10-15
(g)(7)(B)(ix)	An estimate of capital cost (plant and equipment) of the project;	Appendix R (Confidential)
(g)(7)(B)(x)	An estimate of sales taxes generated during construction and separately during an operational year of the project;	Appendix R (Confidential)
(g)(7)(B)(xi)	An estimate of property taxes generated during an operational year of the project;	Appendix R (Confidential)
(g)(7)(B)(xii)	The expected direct, indirect, and induced income and employment effects due to construction and operation of the project; and	Appendix R (Confidential)
(g)(7)(B)(xiii)	A discussion of impacts to environmental justice populations by technical areas and whether any impacts would disproportionately affect the environmental justice populations.	4.10 Socioeconomics 4.10.1 Environmental Setting Figure 4.10-13 Environmental Justice Analysis Area 4.10.2 Impact Analysis
(g)(8) Air Quality (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	4.1.1 Environmental Setting
(g)(8)(B)	The heating value and chemical and chemical characteristics of the proposed fuels, the stack height and diameter, and exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Fuel source is solar energy, the project does not include a stack. Capacity factor is provided in 3, Engineering
(g)(8)(C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	4.1.2 Impact Analysis
(g)(8)(D)	A description of the cooling system, the estimated cooling tower drift area, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	The Project would not include a cooling system.
(g)(8)(E)	The emission rates of criteria pollutants and greenhouse gases (CO2, CH4, N2O, and SF6) from the stack, cooling tower, fuels and materials handling processes, delivery and storage systems, and from all on-site secondary emission sources.	Project does not include a stack of cooling tower. Emissions are included in 4.1.2 Impact analysis
(g)(8)(F)(i)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Project is a solar energy project so does not have start-up and shutdown modes.
(g)(8)(F)(ii)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the commercial operations date, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests.	Project is a solar energy project so this is not applicable.

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(8)(G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	4.1.1 Environmental Setting Table 4.1-2
(g)(8)(H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution district.	4.1.1 Environmental Setting
(g)(8)(h)(i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995)), which is incorporated by reference in its entirety.	Data was not collected onsite.
(g)(8)(h)(ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Appendix H
(g)(8)(I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:	4.1.2 Impact Analysis
(g)(8)(I)(i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct criteria pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM10) emission from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NOx), sulfur dioxides (SO2), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM10) and particulate matter less than 2.5 microns in diameter (PM2.5)] from construction-related equipment;	4.1.2 Impact Analysis
(g)(8)(I)(ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct criteria pollutant (NOx, SO2, CO and PM10 and PM2.5) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	4.1.2 Impact Analysis
(g)(8)(I)(iii)	A protocol for cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollution impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	4.1.2 Impact Analysis 4.1.3 Cumulative Impacts
(g)(8)(I)(iv)	an air dispersion modeling analysis of the impacts of the initial commissioning phase emissions on state and federal ambient air quality standards for NOx, SO2, CO, PM10 and PM2.5.	Dispersion modeling was not conducted for this Project as no sensitive receptors are within 500 feet of the Project site and no permanent sensitive receptors are within 1,000 feet of the Project site. See 4.1.2 Impact Analysis and section 4.9.1.
(g)(8)(J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	4.1.2 Impact Analysis and 4.1.4 4.1.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(8)(J)(i)	The quantity of offsets or emission reductions that are needed to satisfy air permitting requirements of local permitting agencies (such as the air districts), state and federal oversight air agencies, and the California Energy Commission. Identify by criteria air pollutant, and if appropriate, greenhouse gas; and	4.1.2 Impact Analysis and 4.1.4 4.1.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(8)(J)(ii)	Potential offset sources, including location, and quantity of emission reductions.	4.1.2 Impact Analysis and 4.1.4 4.1.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(8)(K)	a detailed description of the mitigation, if any, which an applicant may propose, for all project impacts from criteria pollutants that currently exceed state or federal ambient air quality standards, but are not subject to offset requirements under the district's new source review rule.	4.1.2 Impact Analysis and 4.1.4 4.1.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(9) Public Health (A)	An assessment of the potential risk to human health from the project's hazardous air emission using the Air Resources Board Hotspots Analysis and Reporting Program (HARP) (Health and Safety Code §§ 44360-44366) or its successor and Approved Risk Assessment Health Values. These values shall include the cancer potency values and noncancer reference exposure to levels approved by the Office of Environmental Health Hazard Assessment (OEHHA Guidelines, Cal-EPA 2005).	<i>A Health Risk Assessment for an analysis associated with all toxic air contaminants was not conducted for this Project as no sensitive receptors are within 1,000 feet of the Project site.</i>
(g)(9)(B)	A list of the input data and output results, in both electronic and print formulas, used to prepare the HARP health risk assessment.	<i>A Health Risk Assessment for an analysis associated with all toxic air contaminants was not conducted for this Project as no sensitive receptors are within 1,000 feet of the Project site.</i>
(g)(9)(C)	Identification of available health studies through the local public health department concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site related to respiratory illnesses, cancers, or related diseases.	4.9.1 Environmental Setting
(g)(9)(D)	A map showing sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	<i>There are no sensitive receptors within 1,000 feet of the Project Site, see Figure 4.6-6</i>
(g)(9)(E)	For purposes of this section, the following definitions apply:	4.9.1 Environmental Setting
(g)(9)(E)(i)	A sensitive receptor refers to infants and children, the elderly, and the chronically ill, and any other member of the general population who is more susceptible to the effects of the exposure than the population at large.	4.9.1 Environmental Setting
(g)(9)(E)(ii)	An acute exposure is one which occurs over a time period of less than or equal to one (1) hour.	<i>A Health Risk Assessment for an analysis associated with all toxic air contaminants was not conducted for this Project as no sensitive receptors are within 1,000 feet of the Project site.</i>
(g)(9)(E)(iii)	A chronic exposure is one which is greater than twelve (12) percent of a lifetime of seventy (70) years.	<i>A Health Risk Assessment for an analysis associated with all toxic air contaminants was not conducted for this Project as no sensitive receptors are within 1,000 feet of the Project site.</i>
(g)(10) Hazardous Materials Handling (A)	A list of all materials used or stored on-site which are hazardous are acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	4.5.1 Environmental Setting Table 4.5-1 Table 4.5-2 Table 4.5-3
(g)(10)(B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	<i>There are no sensitive receptors within 1,000 feet of the Project Site, see Figure 4.6-6</i>
(g)(10)(C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	4.5.1 Environmental Setting Table 4.5-1
(g)(10)(D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off-site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be substituted after the application is complete.	<i>Modeling of accidental releases was not conducted as There are no sensitive receptors within 1,000 feet of the Project Site, see Figure 4.6-6</i>

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(10)(E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	4.5.5 Laws, Ordinances, Regulations, and Standards Compliance Table 4.5-5
(g)(10)(F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	4.5.4 Mitigation Measures and Applicable Plans
(g)(10)(G)	A discussion of the fire and explosion risks associated with the project.	4.5.1 Environmental Setting 4.5.2 Impact Analysis
(g)(11) Worker Safety (A)	A description of the safety training programs which will be required for construction and operation personnel.	4.17.2 Impact Analysis Table 3.18-3 Table 3.18-4
(g)(11)(B)	A complete description of the fuel handling system and the fire suppression system.	4.17.2 Impact Analysis
(g)(11)(C)	Provide draft outlines of the Construction Health and Safety program and the Operation Health and Safety Program, as follows: Construction Health and Safety Program:	4.17.2 Impact Analysis
(g)(11)(C)	Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509)	4.17.2 Impact Analysis Table 3.18-3 Table 3.18-4
(g)(11)(C)	Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920)	4.17.2 Impact Analysis Table 3.18-3 Table 3.18-4
(g)(11)(C)	Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	4.17.2 Impact Analysis Table 3.18-1 Table 3.18-3 Table 3.18-4
(g)(11)(C)	Operation Health and Safety Program: Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203)	4.17.2 Impact Analysis Table 3.18-3 Table 3.18-4
(g)(11)(C)	Fire Prevention Plan (8 Cal. Code Regs., § 3221)	4.17.2 Impact Analysis Table 3.18-3 Table 3.18-4
(g)(11)(C)	Emergency Action Plan (8 Cal. Code Regs., § 3220)	4.17.2 Impact Analysis Table 3.18-4 Table 3.18-5
(g)(11)(C)	Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411)	4.17.2 Impact Analysis Table 3.18-1 Table 3.18-3 Table 3.18-4

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(12) Waste Management (A)	(A) A Phase I Environmental Site Assessment (ESA) for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC staff that provides similar documentation of the potential level and extent of site contamination. <i>The Phase I ESA shall have been completed no earlier than one year prior to the filing of the application.</i>	Appendix P
(g)(12)(B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	4.14.1 Environmental Setting Table 4.14-1 Table 4.14-2 4.14.2 Impact Analysis
(g)(12)(C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	4.14.1 Environmental Setting Table 4.14-3 4.14.2 Impact Analysis 4.14.3 Cumulative Impacts
(g)(12)(D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	4.14.1 Environmental Setting 4.14.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans
(g)(13) Biological Resources (A)	A regional overview and discussion of terrestrial and aquatic biological resources, with particular attention to sensitive biological resources within ten (10) miles of the project. In the discussion include a list of the USGS topographic quadrangle(s) utilized to search records from the California Natural Diversity Database (CNDDDB), and a citation which includes the date the CNDDDB was accessed. Include a map at a scale of 1:6,000 (under confidential cover) and at 1:350,000 (for public) showing sensitive biological resource location(s) in relation to the project site and related facilities and any boundaries of a local Habitat Conservation Plan or similar open space land use plan or designation. Label the biological resources and survey areas as well as the project facilities. Sensitive biological resources include the following:	Appendix J.3 and J.4
(g)(13)(i)	species listed under state or federal Endangered Species Acts;	4.2.1 Environmental Setting Table 4.2-3 Special Status Plant Species with Potential to Occur in the Project Vicinity Table 4.2-4 Special Status Wildlife Species with Potential to Occur in the Project Vicinity Appendix J.1
(g)(13)(A)(ii)	species receiving consideration during environmental review under CEQA Guidelines 14 CCR Section 15380;	4.2.1 Environmental Setting
(g)(13)(A)(iii)	species identified as state Fully Protected;	4.2.1 Environmental Setting Table 4.2-4 Special Status Wildlife Species with Potential to Occur in the Project Vicinity
(g)(13)(A)(iv)	species covered by Migratory Bird Treaty Act;	4.2.1 Environmental Setting 4.2.2 Impact Analysis
(g)(13)(A)(v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the CNDDDB, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission or other responsible agency;	4.2.1 Environmental Setting 4.2.2 Impact Analysis

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(13)(A)(vi)	locally significant species that are rare or uncommon in a local context such as county or region or is so designated in local or regional plans, policies, or ordinances;	4.2.1 Environmental Setting 4.2.2 Impact Analysis
(g)(13)(A)(vii)	plant species listed as rare under the California Native Plant Protection Act;	4.2.1 Environmental Setting
(g)(13)(A)(viii)	established native resident or migratory wildlife corridors or wildlife nursery sites.	4.2.1 Environmental Setting 4.2.2 Impact Analysis
(g)(13)(B)	Include a list of the species and habitat(s) actually observed and those with a potential to occur within 1 mile of the project site and 1,000 feet from the outer edge of linear facility corridors. Maps or aerial photographs shall include the following:	4.2.1 Environmental Setting 4.2.2 Impact Analysis Figure 4.2-2 Special Status Species Occurrences within 10 miles Appendix J.1
(g)(13)(B)(i)	Detailed maps at a scale of 1:6,000 or color aerial photographs taken at a recommended scale of 1-inch equals 500 feet (1:6,000) with a 30 percent overlap (provided under confidential cover) and 1:350,000 (for public viewing) that show the proposed project site and related facilities, biological resources including, but not limited to, those found during project-related field surveys and in records from the CNDDDB, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities.	Appendix J.3 and J.4
(g)(13)(B)(ii)	Provide an aerial map of the isopleth graphic depicting modeled nitrogen deposition rates. The geographical extent of the nitrogen deposition map(s) should include the entire plume and a radius of 6 (six) miles from the source, specifically identifying acres of sensitive habitat(s) within each isopleth. Modeling parameters and files shall be provided.	Not relevant for a solar project.
(g)(13)(B)(iii)	An aerial photo depicting state and federal jurisdictional features including state waters and wetlands delineated on maps at a scale of (1:2,400) showing any potential jurisdictional features delineated out to 250 feet from the edge of disturbance if jurisdictional features occur within 250 feet of the project site and/or related facilities that would be included with a US Army Corps of Engineers Section 404 Permit application, Regional Water Quality Control Board (RWQCB) application, or California Department of Fish and Wildlife Section 1600 et seq. permit requirements. For projects proposed to be located within the coastal zone, also provide aerial photographs or maps as described above that identify wetlands as defined by the Coastal Act and under the jurisdiction of the California Coastal Commission.	Appendix J.3 and J.4
(g)(13)(B)(iv)	Provide Geographic Information System (GIS) data (shape and/or geodatabase files) for all data mapped for biological resources.	Will be provided to Energy Commission
(g)(13)(C)	A discussion of the biological resources at the proposed project site and related facilities. Related facilities include, but are not limited to, laydown and parking areas, gas and water supply pipelines, transmission lines, and roads. The discussion shall address the distribution of vegetation community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and other appropriate biological resources including the following:	4.2.1 Environmental Setting 4.2.2 Impact Analysis
(g)(13)(C)(i)	A list of sensitive species and habitats with a potential to occur (as defined in (A) above) and include status (state, federal, California Native Plant Society, global rank, state rank).	4.2.1 Environmental Setting 4.2.2 Impact Analysis
(g)(13)(C)(ii)	Perform nitrogen deposition modeling including the complete citation for references used in determining deposition rates and location. Specify the amount of total annual nitrogen deposition in kilograms of nitrogen per hectare per year (kg N/ha/yr) in special status species habitats and vegetation types for wet and dry deposition. Describe habitat and species potentially affected.	Not relevant for a solar project.

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(13)(D)	A description and results of all field studies and specialized surveys (e.g., focused and protocol) used to provide biological baseline information about the project site and associated facilities. Include copies of the CNDDDB records and field survey forms completed by the applicant's biologist(s). Identify the date(s) the surveys were completed, methods used to complete the surveys, and the name(s) and qualifications of the biologists conducting the surveys. Include:	Appendix J.1 and J.2
(g)(13)(D)(i)	Current biological resources surveys conducted using appropriate field survey protocols (include references) during the appropriate season(s). State and federal agencies with jurisdiction shall be consulted for field survey protocol guidance prior to surveys if a protocol exists.	Appendix J.1 and J.2
(g)(13)(D)(ii)	If the project or any related facilities could impact federal or state jurisdictional wetland, provide completed Army Corps of Engineers wetland delineation forms and/or determination of wetland status pursuant to Coastal Act or CDFW requirements, as applicable to the location, name(s) and qualifications of biologist(s) completing the delineation, the results of the delineation and a table showing jurisdictional features including state waters and wetland acreage amounts to be impacted.	Appendix J.1 and J.2, Appendix K, Appendix L
(g)(13)(E)	Impacts discussion of all impacts (direct, indirect, and cumulative) to biological resources from project site preparation, construction activities, plant operation, maintenance, closure, and decommissioning. Discussion shall also address sensitive species habitat impacts from air emissions (i.e. nitrogen deposition).	4.2.1 Environmental Setting 4.2.2 Impact Analysis 4.2.3 Cumulative Impacts
(g)(13)(F)	A discussion of all feasible mitigation measures and an evaluation of their anticipated efficacy in reducing the level of impacts, including, but not limited to the following:	4.2.2 Impact Analysis 4.2.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans Appendix D.1 and D.2
(g)(13)(F)(i)	All measures proposed to avoid and/or reduce adverse impacts to biological resources.	4.2.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans Appendix D.1 and D.2
(g)(13)(F)(ii)	All off-site habitat mitigation such as habitat improvement or compensation including management, and an identification of appropriate agency contacts for coordination and verification of proposed habitat mitigation measures.	4.2.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans Appendix D.1 and D.2 Appendix J.5 and J.6
(g)(13)(F)(iii)	Educational programs to enhance employee awareness during construction and operation to protect biological resources.	4.2.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans Appendix D.1 and D.2
(g)(13)(G)	A discussion of compliance and monitoring programs to ensure the effectiveness of impact avoidance and mitigation measures incorporated into the project.	4.2.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans Appendix D.1 and D.2
(g)(13)(H)	Submit copies of any preliminary correspondence between the project applicant and state and federal resource agencies regarding whether federal or state permits from other agencies such as the U. S. Fish and Wildlife Service, the National Marine Fisheries Service, the U.S. Army Corps of Engineers, the CDFW, and the RWQCB will be required for the proposed project.	Coordination is ongoing as part of the AB 205 process and BLM NEPA review
(g)(14) Water Resources (A)	All the information required to apply for the following permits, if applicable, including:	
(g)(14)(A)(i)	Waste Discharge Requirements; National Pollutant Discharge Elimination System Permit; and/or a Section 401 Certification or Waiver from the appropriate Regional Water Quality Control Board (RWQCB);	4.15.2 Impact Analysis

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(14)(A)(ii)	Construction and Industrial Waste Discharge and/or Industrial Pretreatment permits from wastewater treatment agencies;	4.15.5 Laws, Ordinances, Regulations, and Standards Compliance
(g)(14)(A)(iii)	Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	Not anticipated
(g)(14)(A)(iv)	Underground Injection Control Permit(s) from the U.S. Environmental Protection Agency, California Division of Oil and Gas, and RWQCB.	<i>Not needed for the Project</i>
(g)(14)(B)	A detailed description of the hydrologic setting of the project. The information shall include a narrative discussion and on maps at a scale of 1:24,000 (or appropriate scale approved by staff), describing the chemical and physical characteristics of the following nearby water bodies that may be affected by the proposed project:	4.15.1 Environmental Setting
(g)(14)(B)(i)	Ground water bodies and related geologic structures;	4.15.1 Environmental Setting
(g)(14)(B)(ii)	Surface water bodies;	4.15.1 Environmental Setting
(g)(14)(B)(iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones;	4.15.1 Environmental Setting Figure 4.15-2 FEMA Flood Hazard Areas in Project Application Area
(g)(14)(B)(iv)	Flood control facilities (existing and proposed); and	Engineering is ongoing
(g)(14)(B)(v)	Groundwater wells within ½ mile if the project will include pumping.	4.15.1 Environmental Setting
(g)(14)(C)	A description of the water to be used and discharged by the project. This information shall include:	4.15.1 Environmental Setting
(g)(14)(C)(i)	Source(s) of the primary and back-up water supplies and the rationale for their selection;	4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided
(g)(14)(C)(ii)	The expected physical and chemical characteristics of the source and discharge water(s) including identification of both organic and inorganic constituents before and after any project-related treatment. For source waters with seasonal variation, provide seasonal ranges of the expected physical and chemical characteristics. Provide copies of background material used to create this description (e.g., laboratory analysis);	4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided
(g)(14)(C)(iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project;	2 Project Description
(g)(14)(C)(iv)	A detailed description of all facilities to be used in water conveyance (from primary source to the power plant site), water treatment, and wastewater discharge. Include a water mass balance diagram;	4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided
(g)(14)(C)(v)	For all water supplies intended for industrial uses to be provided from public or private water purveyors, a letter of intent or will-serve letter indicating that the purveyor is willing to serve the project, has adequate supplies available for the life of the project, and any conditions or restrictions under which water will be provided. In the event that a will-serve letter or letter of intent cannot be provided, identify the most likely water purveyor and discuss the necessary assurances from the water purveyor to serve the project.	4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided
(g)(14)(C)(vi)	For all water supplied which necessitates transfers and/or exchanges at any point, identify all parties and contracts/agreements involved, the primary source for the transfer and/or exchange water (e.g., surface water, groundwater), and provide the status of all appropriate agencies' approvals for the proposed use, environmental impact analysis on the specific transfers and/or exchanges required to obtain the proposed supplies, a copy of any agency regulations that govern the use of the water, and an explanation of how the project complies with the agency regulation(s);	4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided
(g)(14)(C)(vii)	Provide water mass balance and heat balance diagrams for both average and maximum flows that include all process and/or ancillary water supplies and wastewater streams. Highlight any water conservation measures on the diagram and the amount that they reduce water demand.	4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(14)(C)(viii)	<p>For all projects which have a discharge, provide a copy of the will-serve letter, permit or contract with the public or private entity that will be accepting the wastewater and contact storm water from the project. The letter, permit or contract, if possible, shall identify the discharge volumes and the chemical or physical characteristics under which the wastewater and contact storm water will be accepted.</p> <p>In the event that a will-serve letter, permit, or contract cannot be provided, identify the most likely wastewater/storm water entity and discuss why the applicant was unable to secure the necessary assurances to serve the project's wastewater/storm water needs. Also, discuss the term of the wastewater service to the project, whether the wastewater entity has adequate permit capacity for the volume of wastewater from the project and has adequate permit levels for the chemical/physical characteristics of the project's wastewater and storm water for the life of the project, and any issues or conditions/restrictions the wastewater entity may impose on the project.</p>	<p>4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided</p>
(g)(14)(D)	<p>Identify all project elements associated with stormwater drainage, including a description of the following:</p>	<p>Project Description; engineering for post-construction would be finalized closer to project approval</p>
(g)(14)(D)(i)	<p>Monthly and/or seasonal precipitation and stormwater runoff and drainage patterns for the proposed site and surrounding area that may be affected by the project's construction and operation.</p>	<p>Appendix G</p>
(g)(14)(D)(ii)	<p>Drainage facilities and the design criteria used for the plant site and ancillary facilities, including but not limited to capacity of designed system, design storm, and estimated runoff;</p>	<p>Project Description; engineering for post-construction would be finalized closer to project approval</p>
(g)(14)(D)(iii)	<p>All assumptions and calculations used to calculate runoff and to estimate changes in flow rates between pre- and post- construction; and</p>	<p>Project Description; engineering for post-construction would be finalized closer to project approval</p>
(g)(14)(D)(iv)	<p>A copy of applicable regional and local requirements regulating the drainage systems, and a discussion of how the project's drainage design complies with these requirements.</p>	<p>Project Description; engineering for post-construction would be finalized closer to project approval</p>
(g)(14)(E)	<p>An impacts analysis of the proposed project on water resources and a discussion of conformance with water-related Laws, Ordinances, Regulations, and Standards (LORS) and policy. This discussion shall include:</p>	<p>4.15.5 Laws, Ordinances, Regulations, and Standard Compliance</p>
(g)(14)(E)(i)	<p>The effects of project demand on the water supply and other users of this source, including, but not limited to, water availability for other uses during construction or after the power plant begins operation, consistency of the water use with applicable RWQCB basin plans or other applicable resource management plans, and any changes in the physical or chemical conditions of existing water supplies as a result of water use by the power plant;</p>	<p>4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided</p>
(g)(14)(E)(ii)	<p>If the project will pump groundwater, an estimation of aquifer drawdown based on a computer modeling study shall be conducted by a professional geologist and include the estimated drawdown on neighboring wells within 0.5 mile of the proposed well(s), any effects on the migration of groundwater contaminants, and the likelihood of any changes in existing physical or chemical conditions of groundwater resources shall be provided;</p>	<p>4.15.1 Environmental Setting Groundwater Resources Technical Report will be provided</p>
(g)(14)(E)(iii)	<p>The effects of construction activities and plant operation on water quality and to what extent these effects could be mitigated by best management practices;</p>	<p>4.15.1 Environmental Setting 4.15.2 Impact Analysis 4.15.3 Cumulative Impacts 4.15.5 Laws, Ordinances, Regulations, and Standard Compliance Groundwater Resources Technical Report will be provided</p>
(g)(14)(E)(iv)	<p>If not using a zero liquid discharge project design for cooling and process waters, include the effects of the proposed wastewater disposal method on receiving waters, the feasibility of using pre-treatment techniques to reduce impacts, and beneficial uses of the receiving waters. Include an explanation why the zero liquid discharge process is "environmentally undesirable," or "economically unsound."</p>	<p><i>Project is a solar PV project so cooling water is not needed</i></p>

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(14)(E)(v)	If using fresh water, include a discussion of the cumulative impacts, alternative water supply sources and alternative cooling technologies considered as part of the project design. Include an explanation of why alternative water supplies and alternative cooling are “environmentally undesirable,” or “economically unsound.”	<i>Project is a solar PV project so cooling water is not needed</i>
(g)(14)(E)(vi)	The effects of the project on the 100-year flood plain, flooding potential of adjacent lands or water bodies, or other water inundation zones.	4.15.1 Environmental Setting 4.15.2 Impact Analysis
(g)(14)(E)(vii)	All assumptions, evidence, references, and calculations used in the analysis to assess these effects.	4.15.1 Environmental Setting 4.15.2 Impact Analysis
(g)(15) Soils (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	4.6.2 Impact Analysis
(g)(15)(A)(i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil;	4.11.1 Environmental Setting Table 4.11-1 NRCS Soil Unit Map Descriptions
(g)(15)(A)(ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system;	4.11.1 Environmental Setting
(g)(15)(A)(iii)	The location of any proposed fill disposal or fill procurement (borrow) sites; and	Engineering is ongoing, cut and fill would likely be balanced onsite
(g)(15)(A)(iv)	The location of any contaminated soils that could be disturbed by project construction.	Appendix P
(g)(15)(B)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	4.6.2 Impact Analysis 4.11.2 Impact Analysis
(g)(15)(B)(i)	The quantification of accelerated soil loss due to wind and water erosion; and	4.11.1 Environmental Setting Table 4.11-2 Soil Erodibility and K-Factor Ranges 4.11.2 Impact Analysis
(g)(15)(B)	The effect of power plant emissions on surrounding soil-vegetation systems.	4.2.2 Impact Analysis
(g)(16) Palaeontologic Resources (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The size of the paleontological study area may vary depending on the depositional history of the region.	4.8.1 Environmental Setting
(g)(16)(B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known palaeontologic localities or other palaeontologic resources within or adjacent to the project. Include a discussion of sensitivity for each geologic unit identified on the most recent geologic map at a scale of 1:24,000. Provide rationale as to why the sensitivity was assigned.	4.8.2 Impact Analysis
(g)(16)(C)	A summary of all local museums, literature searches and field surveys used to provide information about paleontological resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Paleontological surveys will be completed
(g)(16)(D)	Information on the specific location of known paleontological resources, survey reports, locality records, and maps at a scale of 1:24,000, showing occurrences of fossil finds, if known, within a one-mile radius of the project and related facilities shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Paleontological surveys will be completed
(g)(16)(E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontological resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontological resources.	4.8.4 Proposed Best Management Practices, Project Design Features, Conservation Management Actions, and Mitigation Plans

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(g)(17) Geological Hazards and Resources (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities, including linear facilities.	4.4.1 Environmental Setting
(g)(17)(B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within two (2) miles of the project site and along proposed facilities. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, tsunami runup, and expansion or collapse of soil structures at the plant site. Describe known geologic hazards along or crossing linear facilities.	4.4.1 Environmental Setting Figure 4.4-1 Geologic Mapping Figure 4.4-2 Active Faults Table 4.4-1 Overview of Seismically Active Faults in the Project Vicinity
(g)(17)(C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	<i>None are known in the vicinity</i>
(g)(18) Transmission System Safety and Nuisance (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	3 Engineering and Appendix A.2
(g)(18)(B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	3.3.5 Transmission System Safety and Nuisance
(g)(18)(C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	3.3.5 Transmission System Safety and Nuisance
(g)(19) Wildfire (A)	A map showing State Responsibility Areas (SRA), as defined in Public Resources Code section 4102, relative to the proposed project.	4.17.1 Environmental Setting
(g)(19)(B)	A map showing state Fire Hazard Severity Zones, as defined in 14 CCR section 1280.01, relative to the proposed project.	4.16.1 Environmental Setting Figure 4.16-1 Fire Hazard Severity Zones
(g)(19)(C)	If the project would be in the vicinity of an SRA or a Very High Fire Hazard Severity Zone, as defined in 14 CCR section 1265.00, provide:	<i>The project would not be in the vicinity of an SRA of Very High Fire Hazard Severity Zone, see 4.16.2 Impact Analysis.</i>
(g)(19)(C)(i)	Local emergency response or evacuation plans and a description of how the proposed project could influence their effectiveness.	<i>The project would not be in the vicinity of an SRA of Very High Fire Hazard Severity Zone, see 4.16.2 Impact Analysis.</i>
(g)(19)(C)(ii)	A discussion of how potential project pollutants could be contained onsite during a wildfire event.	<i>The project would not be in the vicinity of an SRA of Very High Fire Hazard Severity Zone, see 4.16.2 Impact Analysis.</i>
(g)(19)(C)(iii)	A description of infrastructure that would be built or maintained (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate the risk of wildfire.	<i>The project would not be in the vicinity of an SRA of Very High Fire Hazard Severity Zone, see 4.16.2 Impact Analysis.</i>
(g)(19)(C)(iv)	Describe people or structures downslope or downstream of the proposed project that could be impacted by flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes.	<i>The project would not be in the vicinity of an SRA of Very High Fire Hazard Severity Zone, see 4.16.2 Impact Analysis.</i>
(h) Engineering (1)(A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climate conditions, and flooding hazards, if applicable.	3.1.1 Summary of Site Conditions
(h)(1)(B)	A discussion of any measures proposed to improve adverse site conditions	3.1.2 Site Improvement Measures

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(h)(1)(C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment	3.2.2 Solar Facility Foundation Design 3.3.2 Transmission System Foundation Design
(h)(1)(D)(i)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions: (i) the power generation system	2.3.2 Solar Facility Description and Operation
(h)(1)(D)(ii) and (iii) and (iv)	(ii) the heat dissipation system, (iii) The cooling water supply system, and, where applicable, pre-plant treatment procedures, (iv) The atmospheric emission control system	This is not applicable to the project
(h)(1)(D)(v)	(v) The waste disposal system and on-site disposal sites;	2.3.2 Solar Facility Description and Operation
(h)(1)(D)(vi) and (vii)	(vi) The noise emission abatement system; (vii) The geothermal resource conveyance and re-injection lines (if applicable);	This is not applicable to the project
(h)(1)(D)(viii)	(viii) Switchyards/transformer system; and	3.3.2 Transmission System Foundation Design 3.3.3 Need and Junction Points 3.3.4 Transmission Requirements 3.3.5 Transmission System Safety and Nuisance 3.4.2 Facility Availability
(h)(1)(D)(ix)	(ix) Other significant facilities, structures, or system components proposed by the applicant.	2.3.2 Solar Facility Description and Operation
(h)(2)(A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	2.4.3 Transmission Line Need and Capacity
(h)(2)(B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	2.4.3 Transmission Line Need and Capacity
(h)(3)(A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	3.4.1 Fuel Availability
(h)(3)(B)(i)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of: (i) Expected overall availability factor, and annual and lifetime capacity factors	3.4 Reliability and Availability
(h)(3)(B)(ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	3.4 Reliability and Availability; heat dissipation system, reinjection system; and resource conveyance lines do not apply to a solar PV project
(h)(3)(B)(iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes	2.3.1 Facility Design Considerations 3.4 Reliability and Availability
(h)(3)(B)(iii) continued	and cooling water availability;	This is not applicable to the project
(h)(3)(B)(iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability including equipment redundancy; and	3.4.3 Facility Reliability
(h)(3)(B)(v)	For technologies not previously installed and operated in California, the expected power plant maturation period.	This is not applicable to the project

Appendix B Section	Requirement	Opt-in Application Section Item is Addressed
(h)(4)(A)	Heat and mass balance diagrams for design conditions for each mode of operation.	<i>This is not applicable to the project</i>
(h)(4)(B)	Annual fuel consumption in BTUs for each mode of operation, including hot restarts and cold starts.	<i>This is not applicable to the project</i>
(h)(4)(C)	Annual net electrical energy produced in MWh for each mode of operation including starts and shutdowns.	3.5 Efficiency
(h)(4)(D)	Number of hours the plant will be operated in each design condition in each year.	3.5 Efficiency
(h)(4)(E)	<i>If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.</i>	<i>This is not applicable to the project</i>
(h)(4)(F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	2.6 Efficiency
(h)(5)	Demonstration, if applicable	<i>This entire section is not applicable to the project</i>
	(i) Compliance with Laws, Ordinances, Regulations and Standards	
	(1) Tables which identify:	
	(A) Laws, regulations, ordinances, adopted local, regional state, and federal land use plans, leases, and permits applicable to the proposed project, and a discussion of the applicability of, and conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and	4.0 through 4.17, as applicable
(i)(1)(A)		
	(B) (i)(1)(B) Each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state, and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Appendix E.2
(i)(1)(B)		
	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and also provide the name of the official who will serve as a contact person for Commission staff.	Appendix E.1
(i)(2)		
	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits	Appendix E.2
(i)(3)		