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Application and Appendix B Requirements Crosswalk Matrix for Environmental Document

Tit. 20 § B App. B	Data Request	Source Document/Section	Filename in Docket
(a) Executive Summary			
(1)	**Project Overview**		
(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, fuel characteristics, fuel supply routes and facilities, water supply routes and facilities, pollution control systems, and other general characteristics.	Section 1 Introduction, Section 1.2 Project Location; Section 1.3, Project Elements and Section 2 Project Description; Section 2.1.4, Project Components	Section_1_Intro_acc Section_2_Project_Description_acc
(B)	Identification of the location of the proposed site and related facilities by section, township, range, county, and assessor's parcel numbers.	Section 1 Introduction, Section 1.2 Project Location	Section_1_Intro_acc
(C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Section 1 Introduction, Section 1.2 Project Location *(See Figure 2-1, Regional Map, Figure 2-2, Project Vicinity Map, and Figure 2-3, Project Site Aerial*); Section 2_Project Description, Section 2.1.2. Project Location (*See Figure 2-1, Regional Map, Figure 2-2, Project Vicinity Map, and Figure 2-3, Project Site Aerial*)	Section_1_Intro_acc Section_2_Project_Description_acc
(D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Section 1 Introduction, Section 1.3, Project Elements (*Figures 3.13-3A through 3.13-3C, Existing Site Conditions, in Section 4.13, Visual Resources, Figures 3.13-4A through 3.13-4C, Visual Simulations*)	Section_1_Intro_acc Section _3.13_Visual_Resources_acc
(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. Provide the direct mailing addresses for the owners and occupants of the properties contiguous to the proposed power plant, related facilities, transmission lines, or other linear facilities as shown on the latest equalized assessment roll. Provide a map showing the parcels in the notice area.	Section 1, Section 1.2 Project Location; In Appendix 1A_Assessor's Parcel Map; Appendix 1B Property Owner Info	Section_1_Intro_acc Appendix_1A_Assessor's_Parcel_Map Appendix_1B_Property_Owner_Info
(2)	**Project Schedule**		
	Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Section 1 Introduction, Section 1.5 Project Schedule; Section 2 Project Description, Section 2.3.1, Schedule and Workforce	Section_1_Intro_acc Section_2_Project_Description_acc
(3)	**Project Ownership**		
(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.	Section 1 Introduction, Section 1.6, Project Ownership; Appendix 1B Property Owner Info	Section_1_Intro_acc Appendix_1B_Property_Owner_Info
(B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 1 Introduction, Section 1.6, Project Ownership; Appendix 1B Property Owner Info	Section_1_Intro_acc Appendix_1B_Property_Owner_Info
(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).	Section 1 Introduction, Section 1.6, Project Ownership	Section_1_Intro_acc
(b) Project Description			
(1)	**Generation Facility Description, Design, and Operation**		
(A)	Maps at a scale of 1:24,000 (1" = 2000'), (or appropriate map scale agreed to by staff) along with an identification of the dedicated leaseholds 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.	Section 2 Project Description, Section 2.1.2. Project Location (*See Figure 2-1, Regional Map and Figure 2-4, Site Plan*)	Section_2_Project_Description_acc
(B)	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).	Section 2 Project Description, Section 2.4 Project Components, *Figure 2-4, Site Plan* ; Appendix 2A Project Design Layout and Elevations	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations

(C)	A detailed description of the design, methods of construction (include the depth of excavations and other ground disturbances) and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios.	Section 2 Project Description, Section 2.1 Facility Description, and Operation, Section 2.3 Construction, Section 2.4 Operation and Maintenance	Section_2_Project_Description_acc
(D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Section 1 Introduction, Section 1, Introduction; Section 2 Project Description, Section 2.1.3 Projective Objectives, Section 2.6 Project Site Selection; Section 4 Alternatives PV	Section_2_Project_Description_acc Section_4_Alternatives_PV_acc
(2)	**Transmission Lines Description, Design, and Operation**		
(A)	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).	Section 1 Introduction, Section 1.3, Project Elements; Figure 2-4, Site Plan; Section 2 Project Description, Section 2.2, Transmission and Interconnection Description, Design, and Operation; *Figure 2.6 Transmission Line Route*	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations
(B)	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.	Section 1 Introduction, Section 1.3, Project Elements; *Figure 2-4, Site Plan*	Section_1_Introduction_acc
(C)	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.	Section 2 Project Description, Sections 2.1.4, 2.1.4.1 through 2.1.4.4, Section 2.2, Transmission and Interconnection Description, Design, and Operation, and Section 2.3.8 Gen-Tie Stringing and Pulling	Section_2_Project_Description_acc
(D)	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	Section 2 Project Description, Section 2.1.2, Project Location, Section 2.2, Transmission and Interconnection Description, Design, and Operation and Section 2.6, Project Site Selection	Section_2_Project_Description_acc Section_4_Alternatives_PV_acc
(E)	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.	In Appendix 2D, Interconnection Study (Confidential); Appendix 2E, Interconnection Agreement (Confidential)	Appendix_2D_Interconnection_Study_(Confidential) Appendix_2E_Interconnection_Agreement_(Confidential)
(c) Reserved			
	No requirements under this section.	Not applicable to Project.	N/A
(d) Information for Projects Which Completed the NOI Process			
(1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.	Not applicable to Project.	N/A
(2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.	Not applicable to Project.	N/A
(e) Facility Closure			
(1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 2, Project Description, Section 2.5, Decommissioning; Appendix 2C, Decommissioning Plan	Section_2_Project_Description_acc Appendix_2C_Decommissioning_Plan
(f) Alternatives			
(1)(D)	A description of how the site and related facilities were selected, and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Section 4, Alternatives PV, Section 4.3 Project Site, Section 4.6 Analysis of the No Project Alternative, and Section 4.7 Analysis of the Reduced Project Alternative	Section_4_Alternatives_PV_acc

(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.	Section 4, Alternatives PV	Section_4_Alternatives_PV_acc
(2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Section 4, Alternatives PV, Section 4.5 Alternatives Considered but Rejected through Section 4.8 Summary of Alternatives	Section_4_Alternatives_PV_acc
(g) Environmental Information			
(1)	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. Describe the approach, list or projection or a combination, used to develop the cumulative setting for the proposed project. Include any reference materials used such as general plan or other adopted local, regional, or statewide plan. Additional requirements specific to each technical area are listed below.	Section 3.1 through Section 3.17	Section_3.0_Environmental_Analysis_acc Section 3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(2)	**Cultural Resources and Tribal Cultural Resources**		
(g)(1)	...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.	Section 3.3, Cultural Resources, Section 3.3.1 Environmental Setting; Section 3.3.4 Impact Analysis through Section 3.3.6 Mitigation Measures	Section_3.3_Cultural_Resources_acc
(A)	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.	Section 3.3, Cultural Resources, Section 3.3.1.1 General Prehistoric Context; Section 3.3.1.2 General Ethnographic Setting (post-AD 1750); Section 3.3.1.3 Post-Contact and Historic Period Setting; and Section 3.3.2 Methods and Identification of Cultural Resources	Section_3.3_Cultural_Resources_acc
(B)	The results of a literature search to identify cultural resources within an area not less than a 1-mile radius around the project site and not less that than one-quarter (0.25) mile on each side of the linear facilities. Identify any 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 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.	Section 3.3, Cultural Resources, Section 3.3.2 Methods and Identification of Cultural Resources; Appendix 3.3A Cultural NonConfidential; Appendix 3.3B, Records Search and NAHC Records (Confidential)	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NAHC_Records_(Confidential)
(B)	Copies of California Department of Parks and Recreation (DPR) 523 forms (Title 14 CCR section 4853) shall be provided for all 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' 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 .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.	Section 3.3, Cultural Resources, Section 3.3.2 Methods and Identification of Cultural Resources; Appendix 3.3A Cultural NonConfidential: Appendix 3.3B, Records Search and NAHC Records (Confidential)	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NHCH_Records_(Confidential)
(C)	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.	Section 3.3, Cultural Resources; Appendix 3.3A Cultural_NonConfidential; Appendix 3.3B, Records Search and NAHC Records (Confidential)	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NHCH_Records_(Confidential)

(C)	New pedestrian archaeological surveys shall be conducted inclusive of the project site and project linear facility routes, extending to no less than 200' around the project site, substations and staging areas, and to no less than 50' to either side of the right-of-way of project linear facility routes.	Section 3.3, Cultural Resources, Section 3.3.2.2 Archaeological Field Survey; Appendix 3.3A, Cultural_NonConfidential	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NHCH_Records_(Confidential)
(C)	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 .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.	Not applicable to Project.	N/A
(C)	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:	Appendix 3.3A Cultural NonConfidential; Appendix 3.3B Records Search and NAHC Records (Confidential)	Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NHCH_Records_(Confidential)
(C)	(i) The summary from Appendix B (g)(2)(A) and the literature search results from Appendix B (g)(2)(B).	Section 3.3 Cultural Resources; Appendix 3.3A Cultural NonConfidential	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential
(C)	(ii) The survey procedures and methodology used to identify cultural resources and tribal cultural resources and a discussion of the cultural and tribal cultural resources identified by the survey.	Section 3.3 Cultural Resources; Appendix 3.3A Cultural NonConfidential	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential
(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.	Section 3.3 Cultural Resources; Appendix 3.3A Cultural NonConfidential	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential
(C)	(iv) A map at a scale of 1:24,000 U.S. Geological Survey 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 3.3A Cultural NonConfidential; Appendix 3.3B, Records Search and NAHC Records (Confidential)	Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NHCH_Records_(Confidential)
(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 3.3C Resumes of Applicants Cultural Resources Team	Appendix_3.3C_Resumes_of_Applicants_Cultural_Resources_Team
(D)	*Provide a copy of your 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. Notify the Native Americans on the NAHC list about the project, including a project description and map. *Provide a copy of all correspondence sent to Native American individuals and groups listed by the NAHC and copies of all responses. *Provide a written summary of any oral responses.	Section 3.3 Cultural Resources, Section 3.3.2.1.3 Native American Consultation; Appendix 3.3A Cultural NonConfidential; Appendix 3.3B Records Search and NAHC Records (Confidential)	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential Appendix_3.3B_Records_Search_and_NHCH_Records_(Confidential)
(E)	Include in the discussion of proposed mitigation measures required by subdivision (g)(1): (i) A discussion of measures proposed to mitigate project impacts to known cultural and tribal cultural resources; (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; (iii) Educational programs to enhance employee awareness during construction and operation to protect cultural and tribal cultural resources.	Section 3.3, Cultural Resources, Section 3.3.6 Mitigation Measures	Section_3.3_Cultural_Resources_acc Appendix_3.3A_Cultural_NonConfidential
(3)	**Land Use**		

(g)(1)	...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.	Section 3.6, Land Use, Section 3.6.1 Affected Environment; Section 3.6.3 Impact Analysis; 3.6.4, Cumulative Effects; and Section 3.6.5 Mitigation Measures	Section_3.6_Land_Use_acc
(A)	A discussion of existing land uses, general plan land use designations, and current zoning districts (including any overlay districts) 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:	Section 3.6, Land Use, Section 3.6.1.3 Existing Land Use and Zoning	Section_3.6_Land_Use_acc
(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;	Section 3.6, Land Use, Section Farmland and Williamson Act Contract	Section_3.6_Land_Use_acc
(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.	Not applicable to Project.	N/A
(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	Section 3.6, Land Use, Section 3.6.3.3 Impact Evaluation, Impact 3.6-2	Section_3.6_Land_Use_acc
(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.	Section 3.6, Land Use, Figure 3.6-3, Existing Land Use; Figure 3.6-4, Existing Zoning	Section_3.6_Land_Use_acc
(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.	Section 3.6, Land Use, Section 3.6.3.3 Impact Evaluation; Section 3.6.6 Laws, Ordinances, Regulations, and Standards	Section_3.6_Land_Use_acc
(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 linear 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.	Section 3.6, Land Use, Section 3.6.1.2, Local Setting	Section_3.6_Land_Use_acc
(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: (i) Crop types, irrigation systems, and any special cultivation practices; (ii) Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the California Department of Conservation; and (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.	Section 3.6, Land Use, Section 3.6.1.4 Farmland and Williamson Act Contract; Section 3.6, Section 3.3.3.3, Impact Evaluation Impact 3.6-3; Section 3.6, Section 3.3.3.3, Impact Evaluation Impact 3.6-4; Section 3.6, Section 3.3.3.3, Impact Evaluation Impact 3.6-5; *Figure 3.6-5 Farmland Mapping and Monitoring Program Map;* Appendix 3.6A_WALUC	Section_3.6_Land_Use_acc Appendix_3.6A_WALUC
(4)	**Noise**		
(g)(1)	...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.	Section 3.7 Noise; Appendix 3.7A Noise Technical_Report	Section_3.7_Noise_acc Appendix_3.7A_Noise_Technical_Report
(A)	A land use map which identifies 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.	Section 3.5, Hazardous Materials Handling, Figure 3.5.1, Sensitive Receptors within 6 Miles of the Project; Appendix 3.7A, Noise Technical Report, Figure 3, Noise Measurement Locations; Figure 4, Predicted Stationary Source Operation Noise Contours	Section_3.7_Noise_acc; Appendix_3.7A_Noise_Technical_Report; Section_3.5_Hazardous_Materials_Handling_acc

(B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in 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 for 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 levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported in units of dB(A).	Section 3.7 Noise; Appendix 3.7A Noise Technical Report	Section_3.7_Noise_acc Appendix_3.7A_Noise_Technical_Report
(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.	Section 3.7.1.8, Local Land Use and Noise Sources	Section_3.7_Noise_acc Appendix_3.7A_Noise_Technical_Report
(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.	Section 3.7.3.3, Impact Evaluation	Section_3.7_Noise_acc Appendix_3.7A_Noise_Technical_Report
(E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Section 3.7.3.3, Impact Evaluation	Section_3.7_Noise_acc Appendix_3.7A_Noise_Technical_Report
(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.	Section 3.7.3.3, Impact Evaluation	Section_3.7_Noise_acc Appendix_3.7A_Noise_Technical_Report
(5)	**Traffic and Transportation**		
(g)(1)	...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.	Section 3.12.1 Affected Environment; Section 3.12.3 Impact Analysis; Section 3.12.4 Cumulative Effects	Section_3.12_Traffic_and_Transportation_acc; Appendix_3.12A_TIA
(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.	Figure 1 of Appendix 3.12A through Figure 9 of Appendix 3.12A	Section_3.12_Traffic_and_Transportation_acc; Appendix_3.12A_TIA
(B)	If the proposed project including any linear facility is to be located within 20,000 feet of an airport runway that is at least 3,200 feet in actual length, or 5,000 feet of a heliport (or planned or proposed airport runway or an airport runway under construction, that is the subject of a notice or proposal on file with the Federal Aviation Administration), discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 – Objects Affecting Navigable Airspace, specifically any potential to obstruct or impede air navigation generated by the project at operation; such as, a thermal plume, a visible water vapor plume, glare, electrical interference, or surface structure height. The discussion should include: (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; (ii) A thermal plume analysis that describes the plume's velocity; (iii) A discussion of the project's conformance with applicable Airport Land Use Compatibility Plan policies; and (iv) Copies of FAA Form 7460-1, Notice of Proposed Construction or Alteration, that were submitted or approved for any project component requiring notice.	Not Applicable, the Project is not sited within 20,000 feet of an airport or 5,000 feet of a heliport. Section 3.12.1.5, Air Traffic	Section_3.12_Traffic_and_Transportation_acc
(C)	An evaluation of the project's potential impacts related to vehicle miles traveled (VMT) that may include: (i) The local jurisdiction's thresholds of significance; (ii) Methodologies (such as local VMT Evaluation Tool); (iii) VMT heat maps; and (iv) Transportation demand management plans and any documents supporting the project applicant's CEQA determination.	Section 3.12.3.3, Impact Evaluation, Impact 3-12-2.	Section_3.12_Traffic_and_Transportation_acc; Appendix_3.12A_TIA
(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: (i) Road classification and design capacity; (ii) Current daily average and peak traffic counts; (iii) Current and projected levels of service before project development, during construction, and during project operation; (iv) Weight and load limitations; (v) Estimated percentage of current traffic flows for passenger vehicles and trucks; and (vi) An identification of any road features affecting public safety.	Section 3.12, Traffic and Transportation, Section 3.12.1 Affected Environment, Section 3.12.1.1 Roadways through 3.12.1.6 Truck Routes -- Weight and Load Limitations; Appendix TIA, Figure 1 of Appendix 3.12A through Figure 13 of Appendix 3.12A	Section_3.12_Traffic_and_Transportation_acc; Appendix_3.12A_TIA

(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)(C). Include: (i) Estimated one-way trip lengths for workers, deliveries, and truck haul trips generated by the construction of the project. (ii) Description of public roadways and intersections temporarily or permanently altered by construction and operation include the duration of activities.	Appendix 3.12A TIA; Section 3.12 Traffic and Transportation, Section 3.12.3.3 Impact Evaluation	Section_3.12_Traffic_and_Transportation_acc; Appendix_3.12A_TIA
(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.	Section 3.12, Traffic and Transportation, Section 3.12.3, Section 3.12.3.3 Impact Evaluation, Impact 3.12-3	Section_3.12_Traffic_and_Transportation_acc
(6)	**Visual Resources**		
(g)(1)	...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.	Section 3.13.1 Affected Environment; Section 3.13.3 Impact Analysis; Section 3.13.4 Cumulative Effects	Section_3.13_Visual_Resources_acc
(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: (i) Topographic maps at a scale of 1:24,000 that depict directions from which the project would be seen, the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(C); and (ii) Description of the existing visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities, including existing water vapor plumes, above- ground electrical transmission lines, and nighttime lighting levels in the project viewshed. (iii) Describe the existing nighttime lighting on the project site and in the vicinity.	Section 3.13.1 Affected Environment; Section 3.13.1.2 Project Site, Lighting; *Figure 3.13-2_KOP Locations; Figure 3.13-3A Existing Conditions - KOP1, Patterson Pass Road (Looking Southwest); Figure 3.13-3B Existing Conditions - KOP2, Patterson Pass Road (Looking North); Figure 3.13-3C Existing Conditions - KOP3, Patterson Pass Road (Looking Northeast)*	Section_3.13_Visual_Resources_acc
(B)	An assessment of the visual quality of those areas that would be affected by the proposed project. For projects proposed to be located within the coastal zone, the assessment should also describe how the proposed project would be sited to protect views to and along the ocean and scenic coastal areas, would minimize the alteration of natural landforms, would be visually compatible with the character of surrounding areas	Section 3.13.1 Affected Environment	Section_3.13_Visual_Resources_acc
(C)	In consultation with Commission staff, identify: i) designated scenic roadways or scenic corridors and any visually sensitive areas that would be affected by the proposed project, including recreational and residential areas; and ii) the locations of the key observation points to represent the most critical viewing locations from which to conduct detailed analyses of the visual impacts of the proposed project. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. Also identify any major public roadways and trails of local importance that would be visually impacted by the project and indicate the types of travelers (that is, residents, recreationists, workers, commuters, etc.) and the approximate number of vehicles, bicyclists, and/or hikers per day.	Section 3.13.1 Affected Environment; Section 3.13.1.2 Project Site, Scenic Resources; Section 3.13.1.2 Scenic Vistas; Section 3.13.1.2 Visual Setting and Representative Views; *Figure 3.13-2- KOP Locations; Figure 3.13-3A Existing Conditions - KOP1, Patterson Pass Road (Looking Southwest); Figure 3.13-3B Existing Conditions - KOP2, Patterson Pass Road (Looking North); Figure 3.13-3C Existing Conditions - KOP3, Patterson Pass Road (Looking Northeast); Figure 3.13-4A Photographic Simulation - KOP1, Patterson Pass Road (Looking Southwest); Figure 3.13-4B Photographic Simulation-KOP2, Patterson Pass Road (Looking North); Figure 3.13-4C Photographic Simulation - KOP3, Patterson Pass Road (Looking Northeast)*	Section_3.13_Visual_Resources_acc
(D)	A table providing the dimensions (height, length, and width, or diameter) and, proposed color(s), materials, finishes, patterns, and other proposed design characteristics of each major component visible from off the project site, including any project-related electrical transmission line and/or offsite aboveground pipelines and metering stations.	Section 3.13.3.2 Project Appearance, Table 3.13-2 Project Site Components	Section_3.13_Visual_Resources_acc

(E)	Provide the cooling tower and heat recovery steam generator (HRSG) exhaust design parameters that affect visible plume formation. For the cooling tower, data shall include heat rejection rate, exhaust temperature, exhaust mass flow rate, liquid to gas mass flow ratio, and, if the tower is plume-abated, moisture content (percent by weight) or plume-abated fogging curve(s). The parameters shall account for a range of ambient conditions (temperature and relative humidity) and proposed operating scenarios, such as duct firing and shutting down individual cells. For the heat recovery steam generator exhausts, data shall include moisture content (percent by weight), exhaust mass flow rate, and exhaust temperature. The parameters must correspond to full-load operating conditions at specified ambient conditions, and shall account for proposed operating scenarios, such as power augmentation (that is, evaporative coolers, inlet foggers, or steam injection) and duct firing, or proposed HRSG visible plume abatement, such as the use of an economizer bypass. For simple-cycle projects, provide analogous data for the exhaust stack(s).	N/A-The Project does not include an HRSG or any component that would create a visible plume.	Section_3.13_Visual_Resources_acc
(F)	Provide (i) full-page color photographic reproductions of the existing site, and (ii) full-page color simulations of the proposed project at life-size scale when the picture is held 10 inches from the viewer's eyes, including any project-related electrical transmission lines, in the existing setting from each key observation point. If any landscaping is proposed to comply with zoning requirements or to mitigate visual impacts, include the landscaping in simulation(s) representing sensitive area views, depicting the landscaping five years after installation; and estimate the expected time until maturity is reached.	Figure 3.13-2 KOP Locations; Figure 3.13-3A Existing Conditions - KOP1, Patterson Pass Road (Looking Southwest); Figure 3.13-3B Existing Conditions - KOP2, Patterson Pass Road (Looking North); Figure 3.13-3C Existing Conditions - KOP3, Patterson Pass Road (Looking Northeast); Figure 3.13-4A Photographic Simulation - KOP1, Patterson Pass Road (Looking Southwest); Figure 3.13-4B Photographic Simulation - KOP2, Patterson Pass Road (Looking North); Figure 3.13-4C Photographic Simulation - KOP3, Patterson Pass Road (Looking Northeast)	Section_3.13_Visual_Resources_acc
(G)	An assessment of the visual impacts of the project, including light, glare, and any modeling of visible plumes. Include a description of the method and identify any computer model used to assess the impacts. Provide an estimate of the expected frequency and dimensions (height, length, and width) of the visible cooling tower and/or exhaust stack plumes. Provide the supporting assumptions, meteorological data, operating parameters, and calculations used.	Section 3.13.3.2 Project Appearance, Table 3.13-2 Project Site Components; Section 3.13.3.3 Visual Impact Assessment; Figure 3.13-4A_Photographic Simulation-KOP1, Patterson Pass Road (Looking Southwest); Figure 3.13-4B_Photographic Simulation-KOP2, Patterson Pass Road (Looking North); Figure 3.13-4C_Photographic Simulation -KOP3, Patterson Pass Road (Looking Northeast)	Section_3.13_Visual_Resources_acc
(H)	If any landscaping is proposed to reduce the visual impacts of the project, provide a conceptual landscaping plan at a 1:40 scale (1"=40'). Include information on the type of plant species proposed, their size, quantity, and spacing at planting, expected heights at 5 years and maturity, and expected growth rates.	N/A - No landscaping is proposed as part of the Project	Section_3.13_Visual_Resources_acc
(7)	**Socioeconomics**		
(g)(1)	...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.	Section 3.10 Socioeconomics, Section 3.10.1 Affected Environment; Section 3.10.2 Impact Analysis; Section 3.10.3 Cumulative Effects; Section 3.10.4 Mitigation Measures	Section_3.10_Socioeconomics_acc
(A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include: (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; (ii) The social characteristics, including population and demographic and community trends.; (iii) Existing and projected unemployment rates; (iv) Availability of skilled workers by craft required for construction and operation of the project; (v) Availability of temporary and permanent housing and current vacancy rate; and (vi) Capacities, service standards, existing and expected use levels, and planned 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, excluding project-related changes, for the duration of the project construction schedule.	Section 3.10 Socioeconomics, Section 3.10.1 Affected Environment, Section 3.10.1.1 Population through Section 3.10.1.7 Utilities; Appendix 3.10A, Socioeconomic Study	Section_3.10_Socioeconomics_acc Appendix_3.10A_Socioeconmic_Study

(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: (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; (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; (iii) An estimate of the potential population increase caused directly and indirectly by the project; (iv) The potential impact of population increase on housing during the construction and operations phases; (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; (vi) An estimate of applicable school impact fees; (vii) An estimate of the total construction payroll and separate estimates of the total operation payroll for permanent and short- term (contract) operations employees; (viii) An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and (ix) An estimate of the capital cost (plant and equipment) of the project. (x) An estimate of sales taxes generated during construction and separately during an operational year of the project. (xi) An estimate of property taxes generated during an operational year of the project. (xii) The expected direct, indirect, and induced income and employment effects due to construction, operation, and maintenance of the project. (xiii) A discussion of impacts to environmental justice populations by technical areas and whether any impacts would disproportionately affect the environmental justice populations.	Section 3.10 Socioeconomics, Section 3.10.1 Affected Environment, Section 3.10.1.1 through Section 3.10.1.7 Utilities; Section 3.10.3 Impact Analysis	Section_3.10_Socioeconomics_acc Appendix_3.10A_Socioeconmic_Study

(8)	Air Quality		
(g)(1)	...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.	Section 3.1 Air Quality, Section 3.1.1 Affected Environment; Section 3.1.4, Impact Analysis	Section_3.1_Air_Quality_acc
(A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Section 3.1 Air Quality, Section 3.1.5 Laws, Ordinances, Regulations, and Statutes, Section 3.1.5.3 Air Pollution Control District LORS	Section_3.1_Air_Quality_acc
(B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Not Applicable to Project.	N/A
(C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 3.1 Air Quality, Section 3.1.4, Impact Analysis	Section_3.1_Air_Quality_acc
(D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Not Applicable to Project.	N/A
(E)	The emission rates of criteria pollutants and greenhouse gases (CO_2, CH_4, N_2O, and SF_6) from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all on-site secondary emission sources.	Section 3.1 Air Quality, Section 3.1.1.2 Pollutants and Effects, Section 3.1.1.2.1 Criteria Air Pollutants	Section_3.1_Air_Quality_acc Appendix_3.1A_Emissions_Calculations Appendix_3.1B_Ambient_Air_Quality_Analysis
(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.	Section 3.1 Air Quality, Section 3.1.3 Significance Criteria and Methodology, Section 3.1.3.1 Threshold of Significance, *Table 3.1-3 Air Quality - Thresholds of Significance*	Section_3.1_Air_Quality_acc

(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.	Section 3.1 Air Quality, Section 3.1.3 Significance Criteria and Methodology, Section 3.1.3.2 Approach and Methodology, Section 3.1.3.2.1 Construction Mass Emissions, *Table 3.1-4 Construction Scenario Assumptions*	Section_3.1_Air_Quality_acc
(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.	Section 3.1 Air Quality, Section 3.1.3 Significance Criteria and Methodology, Section 3.1.3.1 Threshold of Significance, *Table 3.1-3 Air Quality - Thresholds of Significance* ; Section 3.1.2.2 Air Quality Monitoring Data, *Table 3.1-2 Local Ambient Air Quality Data*	Section_3.1_Air_Quality_acc
(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. (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. (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.	Section 3.1 Air Quality, Section 3.1.1 Affected Environment; Section 3.1.1.1 Meteorological and Topographical Conditions	Section_3.1_Air_Quality_acc Appendix_3.1A_Emissions_Calculations Appendix_3.1B_Ambient_Air_Quality_Analysis
(I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following: (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) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NOx), sulfur dioxide (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; (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 (iii) A protocol for a 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 pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard. (iv) an air dispersion modeling analyses 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.	Section 3.1 Air Quality, Section 3.1.1 Affected Environment; Section 3.1.4, Impact Analysis	Section_3.1_Air_Quality_acc Appendix_3.1A_Emissions_Calculations Appendix_3.1B_Ambient_Air_Quality_Analysis
(J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information: (i) The quantity of offsets or emission reductions that are needed to satisfy air permitting requirements of local permitting agencies (such as the air district), state and federal oversight air agencies, and the California Energy Commission. Identify by criteria air pollutant, and if appropriate, greenhouse gas; and (ii) Potential offset sources, including location, and quantity of emission reductions.	Section 3.1 Air Quality, Section 3.1.4, Impact Analysis	Section_3.1_Air_Quality_acc
(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.	Section 3.1 Air Quality, Section 3.1.4, Impact Analysis; Section 3.9 Public Health, Section 3.9.4.2 Toxic Pollutants; Appendix 1E Dust Control	Section_3.1_Air_Quality_acc Appendix_1E_Dust_Control

(9)	**Public Health**		
(g)(1)	...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.	Section 3.9 Public Health, Section 3.9.1 Affected Environment; Section 3.9.2 Environmental Analysis; Section 3.9.3 Cumulative Effects; Section 3.9.4 Mitigation Measures	Section_3.9_Public_Health_acc
(A)	An assessment of the potential risk to human health from the project's hazardous air emissions 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 levels approved by the Office of Environmental Health Hazard Assessment (OEHHA Guidelines, Cal-EPA 2005).	Section 3.9 Public Health, Section 3.9.2 Environmental Analysis, Section 3.9.2.2 Construction Phase Effects	Section_3.9_Public_Health_acc
(B)	A listing of the input data and output results, in both electronic and print formats, used to prepare the HARP health risk assessment.	Appendix 3.1B, Ambient Air Quality Analysis	Appendix_3.1B_Ambient_Air_Quality_Analysis
(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.	Section 3.9, Public Health, Section 3.9.1 Affected Environment	Section_3.9_Public_Health_acc
(D)	A map showing sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Section 3.5 Hazardous Material Handling, Section 3.5.3.3 Impact Evaluation, *Impact 3.5-3; Figure 3.5-1*	Section_3.5_Hazardous_Materials_Handling_acc
(E)	For purposes of this section, the following definitions apply: (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; (ii) An acute exposure is one that occurs over a time period of less than or equal to one (1) hour; and (iii) A chronic exposure is one that is greater than twelve (12) percent of a lifetime of seventy (70) years.	Section 3.9, Public Health, 3.9.1 Affected Environment; Section 3.9.2.2 Construction Phase Effects	Section_3.9_Public_Health_acc
(10)	**Hazardous Materials Handling**		
(e)(1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Appendix 2C, Decommissioning Plan	Appendix_2C_Decommissioning_Plan
(g)(1)	...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.	Section 3.5, Hazardous Materials Handling, Section 3.5.1 Affected Environment; Section 3.5.3 Impact Analysis; Section 3.5.4 Cumulative Effects; Section 3.5.5 Mitigation Measures	Section_3.5_Hazardous_Materials_Handling_acc
(A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in California Code of Regulations, title 22, section 66261.20 et seq., and a discussion of the toxicity of each material.	Section 3.5, Hazardous Materials Handling, Section 3.5.1.2 Hazardous Materials Use and Storage; Section 3.5.1.2.1 Construction Phase; Section 3.5.1.2.2 Operations Phase; *Table 3.5-1 Hazardous Materials Use during Construction and Operation*	Section_3.5_Hazardous_Materials_Handling_acc
(B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, daycare facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 3.5-1, shows the location of schools and childcare/daycare facilities within a 6-mile radius; no hospitals or long-term care facilities are located within 6-mile radius	Section_3.5_Hazardous_Materials_Handling_acc
(C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 3.5, Hazardous Materials Handling, Section 3.5.1.2 Hazardous Materials Use and Storage; Section 3.5.1.2.1 Construction Phase; Section 3.5.1.2.2 Operations Phase; Table 3.5-1 Hazardous Materials Use during Construction and Operation	Section_3.5_Hazardous_Materials_Handling_acc
(D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in offsite 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.	Section 3.5 Hazardous Materials Handling, Section 3.5.3 Impact Analysis, Section 3.5.3.3 Impact Evaluation, *Impact 3.5-2 Accidental Release Hazards*	Section_3.5_Hazardous_Materials_Handling_acc
(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.	Section 3.5 Hazardous Materials Handling, Section 3.5.3 Impact Analysis, Section 3.5.3.3 Impact Evaluation, *Impact 3.5-2 Accidental Release Hazards*	Section_3.5_Hazardous_Materials_Handling_acc

(F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 3.5 Hazardous Materials Handling, Section 3.5.5 Mitigation Measures, Section 3.5.5.1 Construction Phase, *MM-HAZ-1*	Section_3.5_Hazardous_Materials_Handling_acc
(G)	A discussion of the fire and explosion risks associated with the project.	Section 3.5 Hazardous Materials Handling, Section 3.5.3 Impact Analysis, Section 3.5.3.3 Impact Evaluation, *Impact 3.5-2 Fire and Explosion Hazards*	Section_3.5_Hazardous_Materials_Handling_acc
(11)	**Worker Safety**		
(g)(1)	...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.	Section 3.16, Worker Health Safety, Section 3.16.1 Environmental Setting, Section 3.16.2 Impact Analysis	Section_3.16_Worker_Health_Safety_acc
(A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 3.16, Worker Health Safety, Section 3.16.2.3.3 Safety Training	Section_3.16_Worker_Health_Safety_acc
(B)	A complete description of the fuel handling system and the fire suppression system.	Section 3.16, Worker Health Safety, Section 3.16.1.4, Fire Protection	Section_3.16_Worker_Health_Safety_acc
(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: (i) Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509); (ii) Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920); (iii) Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514- 1522). Operation Health and Safety Program: (iv) Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203); (v) Fire Prevention Plan (8 Cal. Code Regs., § 3221); (vi) Emergency Action Plan (8 Cal. Code Regs., § 3220); (vii) Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401- 3411).	Section 3.16, Worker Health Safety, Section 3.16.2.3 Training and Safety Programs, Section 3.16.2.3.1 Construction and Decommissioning Health and Safety Programs; 3.16.2.3.2, Operations Health and Safety Program	Section_3.16_Worker_Health_Safety_acc
(12)	**Waste Management**		
(b)(1)(C)	A detailed description of the design, construction, and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 2 Project Description, Section 2.1 Facility Description, Design, and Operation; Appendix 1I_WMP	Section_2_Project_Description_acc Appendix_1I_WMP
(e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Appendix 2C, Decommissioning Plan	Appendix_2C_Decommissioning_Plan
(g)(1)	...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.	Section 3.14, Waste Management, Section 3.14.3 Impact Analysis,, Section 3.14.3.3 Impact Evaluation; Section 3.14.4 Cumulative Effects; Section 3.14.4 Mitigation Measures	Section_3.14_Waste_Management_acc
(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 1 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. The Phase I ESA shall have been completed no earlier than one year prior to the filing of the application.	Appendix 3.5A, Phase 1 ESA	Appendix_3.5A_Phase_1_ESA
(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.	Section 3.14, Waste Management, Section 3.14.3 Impact Analysis,, Section 3.14.3.3 Impact Evaluation, *Impact 3.14-2*	Section_3.14_Waste_Management_acc
(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.	Section 3.14, Waste Management, Section 3.14.1.2 Non-Hazardous Waste Disposal Facilities; Section 3.14.1.3 Hazardous Waste Disposal Facilities	Section_3.14_Waste_Management_acc

(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.	Section 3.14, Waste Management, Section 3.14.3 Impact Analysis,, Section 3.14.3.3 Impact Evaluation, *Impact 3.14-2*	Section_3.14_Waste_Management_acc
(h)(1)(B)	A discussion of any measures proposed to improve adverse site conditions.	Section 3.14, Waste Management, Section 3.14.5 Mitigation Measures	Section_3.14_Waste_Management_acc
(h)(1)(D)(v)	The waste disposal system and on-site disposal sites.	Section 3.14, Waste Management, Section 3.14.3 Impact Analysis, Section 3.14.3.3 Impact Evaluation, Impact 3.14-2	Section_3.14_Waste_Management_acc
(13)	**Biological Resources**		
(g)(1)	...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.	Section 3.2 Biological Resources, Section 3.2.1 Affected Environment; Section 3.2.3 Environmental Analysis; Section 3.2.4 Cumulative Effects; Section 3.2.5 Avoidance and Minimization Measures	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(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 (CNDDB), and a citation which includes the date the CNDDM was accessed. Sensitive biological resources include the following:	Section 3.2 Biological Resources, Section 3.2.1.1 Regional Overview	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(A)	(i) species listed under state or federal Endangered Species Acts;	Section 3.2 Biological Resources, Section 3.2.1.4 Regional Sensitive or Special-Status Species; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(A)	(ii) species receiving consideration during environmental review under CEQA Guidelines Section 15380; resources defined in the California Code of Regulations, title 20, sections 1201(d) and (u);	Section 3.2 Biological Resources, Section 3.2.1.5 Biological Surveys; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(A)	(iii) species identified as state Fully Protected;	Section 3.2 Biological Resources, Section 3.2.1.4 Regional Sensitive or Special-Status Species; Section 3.2.1.7 Sensitive and Special-Status Species; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc
(A)	(iv) species covered by Migratory Bird Treaty Act;	Section 3.2 Biological Resources, Section 3.2.1.7.3 Other Special-Status Bird Species; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(A)	(v) species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the CNDDB, California Fish and Game Code, Title 14 of the California Code of Regulations, or where applicable, in Local Coastal Programs or in relevant decisions of the California Coastal Commission or other responsible agency;	Section 3.2 Biological Resources, Section 3.2.1.4 Regional Sensitive or Special-status Species; Section 3.2.1.3.2 Critical Habitat; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(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; fish and wildlife species that have commercial or recreational value. fish and wildlife species that have commercial or recreational value.	Section 3.2 Biological Resources, Section 3.2.1.4 Regional Sensitive or Special-status Species; Section 3.2.1.3.1 Sensitive Habitat Types; Section 3.2.1.5 Biological Surveys; Section 3.2.1.7 Sensitive and Special-Status Species; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(A)	(vii) plant species listed as rare under the California Native Plant Protection Act;	Section 3.2 Biological Resources; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(A)	(viii) established native resident or migratory wildlife corridors or wildlife nursery sites.	Section 3.2 Biological Resources, Section 3.2.3.2 Impact Evaluation, *Impact 3.2-4*	Section_3.2_Biological_Resources_acc
(A)	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.	Appendix 3.2A, Figure 2, Study Area; Section 3.2, Biological Resources, Figure 3.2-1 Protected Areas; Figure 3.2-2 Sensitive Habitat Types; Figure 3.2-3 Critical Habitats; Figure 3.2-4 Special-Status Species Occurrence; Figure 3.2.6 Biological Survey Results	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report

(B)	Include a list of the species 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:	Appendix 3.2A, Biological Technical Report	Appendix_3.2A_Biological_Technical_Report
(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 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 California Natural Diversity Database, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities;	*Figure 3.2-4 Special Status Species Occurrence Records; Figure 3.2-6 Biological Survey Results*	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(B)	(ii) A depiction of the extent of the thermal plume at the surface of the water if cooling water is proposed to be discharged to a water source. Provide the location for the intake and discharge structures on an aerial photograph(s) or detailed maps. Water sources include, but are not limited to, waterways, lakes, impoundments, oceans, bays, rivers, and estuaries.	Not applicable to Project.	N/A
(B)	(iii) An aerial photo or wetlands delineation maps at a scale of (1:2,400) showing any potential jurisdictional and non-jurisdictional wetlands delineated out to 250 feet from the edge of disturbance if wetlands occur within 250 feet of the project site and/or related facilities that would be included with the U.S. Army Corps of Engineers Section 404 Permit application. 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.	*Figure 3.2-7 Potential Jurisdictional Aquatic Resources - USACE*	Section_3.2_Biological_Resources_acc
(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:	Section 3.2 Biological Resources, Section 3.2.3 Environmental Analysis; Section 3.2.3.2 Impact Evaluation; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc
(C)	(i) A list of all the species observed; (ii) 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, etc.). (iii) If cooling water is taken directly from or discharged to a surface water feature source, include a description of the intake structure, screens, water volume, intake velocity hydraulic zone field of influence, and the thermal plume dispersion area as depicted in response to B(ii) above. Describe the thermal plume size and dispersion under high and low tides, and in response to local currents and seasonal changes. Provide a discussion of the aquatic habitats, biological resources, and critical life stages found in these affected waters. For repower projects that anticipate no change in cooling water flow, this information shall be provided in the form of the most recent federal Clean Water Act 316(a) and (b) studies of entrainment and impingement impacts that has been completed within the last 5 years. For new projects or repower projects proposing to use once-through cooling and anticipating an increase in cooling water flow, provide a complete impingement and entrainment analysis per guidance in (D)(ii), below.	Appendix 3.2A, Biological Technical Report	Appendix_3.2A_Biological_Technical_Report
(C)	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 applicable to Project.	N/A
(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 CNDDB 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: (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. (ii) If cooling water is proposed to be taken directly from or discharged to a surface water feature source, seasonal aquatic resource studies and surveys shall be conducted. Aquatic resource survey data shall include, but is not limited to, fish trawls, ichthyoplankton and benthic sampling, and related temperature and water quality samples. For new projects or repower projects anticipating a change in cooling water flows, sampling protocols shall be provided to Commission staff for review and concurrence prior to the start of sampling. For repower projects not anticipating a change in cooling water flows, this information shall be provided in the form of the most recent federal Clean Water Act 316(b) impingement and entrainment impact study completed within 5 years of the AFC filing date; and (iii) If the project or any related facilities could impact a federal or state jurisdictional or non-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.	Section 3.2 Biological Resources, Section 3.2.1.5 Biological Surveys; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report

(E)	Impacts discussion of the following: (i) 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 cooling tower drift and air emissions (i.e. nitrogen deposition). (ii) facilities that propose to take water directly from, and/or discharge water to surface water features, daytime and nighttime impacts from the intake and discharge of water during operation, water velocity at the intake screen, the intake field of influence, impingement, entrainment, and thermal discharge. Provide a discussion of the extent of the thermal plume, effluent chemicals, oxygen saturation, intake pump operations, and the volume and rate of cooling water flow at the intake and discharge location; and (iii) Methods to control biofouling and chemical concentrations, and temperatures that are currently being discharged or will be discharged to receiving waters.	Section 3.2 Biological Resources, Section 3.2.3 Environmental Analysis; Section 3.2.3.2 Impact Evaluation	Section_3.2_Biological_Resources_acc
(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: (i) All measures proposed to avoid and/or reduce adverse impacts to biological resources. (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 compensation habitat management mitigation measures. (iii) Design features to better disperse or eliminate a thermal discharge; (iv) All measures proposed to avoid or minimize adverse impacts of cooling water intake. This shall include a Best Technology Available (BTA) discussion. If BTA is not being proposed, the rationale for not selecting BTA must be provided; and (iii) Educational programs to enhance employee awareness during construction and operation to protect biological resources.	Section 3.2 Biological Resources, Section 3.2.5.1 Minimization Measures for Construction; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(G)	A discussion of compliance and monitoring programs to ensure the effectiveness of impact avoidance and mitigation measures incorporated into the project.	Section 3.2 Biological Resources, Section 3.2.5.1 Minimization Measures for Construction; Appendix 3.2A, Biological Technical Report	Section_3.2_Biological_Resources_acc Appendix_3.2A_Biological_Technical_Report
(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 California Department of Fish and Game, and the Regional Water Quality Control Board will be required for the proposed project.	None	N/A
(14)	**Water Resources**		
(g)(1)	...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.	Section 3.15.1 Affected Environment; Section 3.15.4 Cumulative Effects; Section 3.15.5 Mitigation Measures	Section_3.15_Water_Resources_acc
(A)	All the information required to apply for the following permits, if applicable, including: (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);	Section 3.15.6.2 State LORS; Section 3.15.3.3 Impact Evaluation, *Impact 3.15-1, Impact 3.15-5;* Appendix 3.15A Hydrology Water Quality Report	Section_3.15_Water_Resources_acc; Appendix_3.15A_Hydrology_Water_Quality_Report
(A)	(ii) Construction and Industrial Waste Discharge and/or Industrial Pretreatment permits from wastewater treatment agencies;	Section 3.15.6.2 State LORS; Section 3.15.3.3 Impact Evaluation, *Impact 3.15-1* , *Impact 3.15-5*	Section_3.15_Water_Resources_acc
(A)	(iii) Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	Section 3.15.6, LORS, Section 3.15.6.1 Federal LORS	Section_3.15_Water_Resources_acc
(A)	(iv) Underground Injection Control Permit(s) from the U.S. Environmental Protection Agency, California Division of Oil and Gas, and RWQCB.	Not applicable to Project.	N/A
(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: (i) Ground water bodies and related geologic structures; (ii) Surface water bodies; (iii) Water inundation zones, such as the 100-year flood plain and tsunami run-up zones; (iv) Flood control facilities (existing and proposed); and (v) Groundwater wells within 1/2 mile if the project will include pumping.	Section 3.15.1.3 Groundwater; Section 3.15.1.4 Flooding Potential; *Figure 3.15-1 RWQCB Hydrologic Setting; Figure 3.15-2 USGS Hydrologic Setting; Figure 3.15-3 Local Drainage Features; Figure 3.15-4 Groundwater Basins and Water Agency Boundaries; Figures 3.15-5 Groundwater Wells; Figure 3.15-6 Impaired Water Bodies; Figure 3.15-7 FEMA Flood Zones*	Section_3.15_Water_Resources_acc

(C)	A description of the water to be used and discharged by the project. This information shall include: (i) Source(s) of the primary and back-up water supplies and the rationale for their selection; (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); (iii) Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; (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; (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. (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); (vi) Provide water mass balance and heat balance diagrams for both average and maximum flows that include all process or ancillary water supplies and wastewater streams. Highlight any water conservation measures on the diagram and the amount that they reduce water demand; and (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. (viii) 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. (ix) 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.	Appendix 3.15B - WSA; Section 3.15.1.3 Groundwater; Section 3.15.1.3.2 Groundwater Quality; Section 3.15.3.3 Impact Evaluation, *Impact 3.15-2, Impact 3.15-5;* Section 3.15.4 Cumulative Effects	Section_3.15_Water_Resources_acc; Appendix_3.15B_WSA
(D)	Identify all project elements associated with stormwater drainage, including a description of the following: (i) 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. (ii) 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; (iii) All assumptions and calculations used to calculate runoff and to estimate changes in flow rates between pre- and post-construction; and (iv) 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.	Section 3.15.1.2 Drainage Features; Figure 3.15-3, Local Drainage Features; Section 3.15.3.3 Impact Evaluation, *Impact 3.15.1* ; Appendix 3.15A - Hydrology/Water Quality Report; Section 3.15.6 Laws, Ordinances, Regulations, and Standards, *Table 3.15-4, LORS Applicable to Water Resources;* Section 3.15.7 Agency Contacts, Permits, and Permit Schedule, *Table 3.15-5 Permits and Agency Contacts*	Section_3.15_Water_Resources_acc; Appendix_3.15A_Hydrology_Water_Quality_Report
(E)	An impact analysis of the proposed project on water resources and a discussion of conformance with water-related LORS and policy. This discussion shall include: (i) 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;	Section 3.15.6 Laws, Ordinances, Regulations, and Standards, *Table 3.15-4, LORS Applicable to Water Resources*	Section_3.15_Water_Resources_acc
(E)	(ii) 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;	Section 3.15.1.3 Groundwater; Section 3.15.1.3.2 Groundwater Quality; Section 3.15.3.3 Impact Evaluation, *Impact 3.15-2*	Section_3.15_Water_Resources_acc
(E)	(iii) The effects of construction activities and plant operation on water quality and to what extent these effects could be mitigated by best management practices;	3.15.3.3 Impact Evaluation, *Impact 3.15-1*	Section_3.15_Water_Resources_acc

(E)	(iv) 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." (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." (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. (vii) All assumptions, evidence, references, and calculations used in the analysis to assess these effects.	3.15.3.3 Impact Evaluation, *Impact 3.15-1;* Appendix 3.15B - WSA	Section_3.15_Water_Resources_acc; Appendix_3.15B_WSA
(15)	**Soils**		
(g)(1)	...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.	Section 3.11.1 Affected Environment; Section 3.11.2 Regulatory Setting; Section 3.11.3 Impact Analysis; Section 3.11.4 Cumulative Effects; Section 3.11.5 Mitigation Measures; Appendix 3.4A Geotechnical Considerations Report; Appendix 2A Project Design Layout and Elevations; Appendix 3.5A Phase I ESA	Section_3.11_Soils_acc; Appendix_3.4A_Geotechincal_Considerations_Report Appendix_2A_Project_Design_Layout_and_Elevations Appendix_3.5A_Phase_I_ESA
(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: (i) The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; (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; (iii) The location of any proposed fill disposal or fill procurement (borrow) sites; and (iv) The location of any contaminated soils that could be disturbed by project construction.	Figure 3.11-1 Soil Map; Section 3.11.1.1 Agricultural Use; Section 3.11.1.5 Other Significant Soil Characteristics; Section 3.11.1.5.5 Soil Contamination; Appendix 3.5A Phase I ESA	Section_3.11_Soils_acc; Appendix_3.5A_Phase_I_ESA
(B)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include: (i) The quantification of accelerated soil loss due to wind and water erosion; and (ii) The effect of power plant emissions on surrounding soil-vegetation systems.	Appendix 3.4A - Geotechnical Considerations Report; Appendix 3.5A Phase I ESA; Section 3.11.1.1 Agricultural Use; Section 3.11.3.3, Impact 3.11-1	Section_3.11_Soils_acc Appendix_3.4A_Geotechincal_Considerations_Report Appendix_3.5A_Phase_I_ESA
(16)	**Paleontological Resources**		
(g)(1)	...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.	Section 3.8 Paleontological , Section 3.8.1 Affected Environment; Section 3.8.3 Impact Analysis; Section 3.8.4 Cumulative Effects; Section 3.8.5 Mitigation Measures	Section_3.8_Paleontological_acc
(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.	Section 3.8 Paleontological Resources, Section 3.8.1 Affected Environment, Section 3.8.1.1 Physiographic and Geologic Setting; Section 3.8.1.1.1 Geological Units Within the Project Site	Section_3.8_Paleontological_acc
(B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontological localities or other paleontological 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.	Section 3.8 Paleontological Resources, Section 3.8.1 Affected Environment, Section 3.8.1.1.1 Geological Units within the Project Site; Section 3.8 Paleontological, Section 3.8.1 Affected Environment, Section 3.8.2 Regulatory Setting, *Table 3.8-1*	Section_3.8_Paleontological_acc; Appendix_3.8A_Paleontological_Resources_Review
(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.	Section 3.8, Paleontological, Section 3.8.3 Impact Analysis, Section 3.8.3.1 Methodology, Section 3.8.3.1.1 Results of the Records Search and Literature Review, Section 3.8.3.1.2 Results of Field Survey	Section_3.8_Paleontological_acc
(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.	Section 3.8, Paleontological, Section 3.8.3 Impact Analysis, Section 3.8.3.1 Methodology, Section 3.8.3.1.1 Results of the Records Search and Literature Review, Section 3.8.3.1.2 Results of Field Survey	Section_3.8_Paleontological_acc; Appendix_3.8A_Paleontological_Resources_Review

(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.	Section 3.8, Paleontological, Section 3.8.5 Mitigation Measures	Section_3.8_Paleontological_acc
(17)	**Geological Hazards and Resources**		
(g)(1)	...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.	Section 3.4, Geological Hazards and Resources, Section 3.4.1 Affected Environment; Section 3.4.3 Impact Analysis; Section 3.4.4 Cumulative Effects; Section 3.4.5 Mitigation Measures; Appendix 3.4A, Geotechnical Considerations Report	Section_3.4_Geological_Hazards_and_Resources_acc Appendix_3.4A_Geological_Considerations_Report
(A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities, including linear facilities.	Section 3.4.1 Affected Environment, Section 3.4.1.1 Regional Geology; Section 3.4.1.2 Local Geology and Stratigraphy; Section 3.4.1.3 Faulting and Seismicity; Section 3.4.14 Geologic Resources or Recreational, Commercial, or Scientific Values	Section_3.4_Geological_Hazards_and_Resources_acc
(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.	*Figure 3.4-1 Surface Geology; Figure 3.4-2, Regional Faulting* ; Section 3.4.1, Affected Environment; Appendix 3.4A, Geotechnical Considerations Report	Section_3.4_Geological_Hazards_and_Resources_acc Appendix_3.4A_Geological_Considerations_Report
(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.	Section 3.4.1.4 Geologic Resources of Recreational, Commercial, or Scientific Value; *Figure 3.4.1 Surface Geology*	Section_3.4_Geological_Hazards_and_Resources_acc
(18)	**Transmission System Safety and Nuisance**		
(g)(1)	...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.	Section 2 Project Description, Sections 2.1.4, 2.1.4.1 through 2.1.4.4, Section 2.2, Transmission and Interconnection Description, Design, and Operation, and Section 2.3.8 Gen-Tie Stringing and Pulling; Section 3.1 through Section 3.17; Appendix 2B Transmission Line Designs Appendix 1E Dust Control Appendix 1F HMBP Appendix 1G WEAP Appendix 1H Nesting Birds Appendix 1J ERP Appendix 1K SPCC Appendix 1L Temp Reveg Plan Appendix 1M TMP Appendix 1N ESCP Appendix 1O Health and Safety Plan	Section_2_Project_Description_acc Appendix_2B_Transmission_Line_Designs Appendix_1E_Dust_Control Appendix_1F_HMBP Appendix_1G_WEAP Appendix_1H_Nesting_Birds Appendix_1J_ERP Appendix _1K_SPCC Appendix_1L_Temp_Reveg_Plan Appendix_1M_TMP Appendix_1N_ESCP Appendix_1O_Health_and_Safety_Plan

(A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 2, Project Description, Section 2.2, Transmission and Interconnection Description, Design, and Operation	Section_2_Project_Description_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(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.	Not applicable to Project.	N/A
(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.	All 17 sections included in Section 3, Environmental Analysis, include a subsection titled “Mitigation Measures” that includes specific mitigation measures proposed to mitigate identified impacts that pertain to the transmission system.	Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(19)	**Wildfire**		
(A)	A map showing State Responsibility Areas (SRA) relative to the proposed project.	*Figure 3.17-1, Fire Hazard Severity Zone Map*	Section_4.17_Wildfire_acc
(B)	A map showing state Fire Hazard Severity Zones relative to the proposed project.	*Figure 3.17-1, Fire Hazard Severity Zone Map*	Section 4.17_Wildfire_acc
(C)	If the project would be in the vicinity of an SRA or a Very High Fire Hazard Severity Zone, provide: (i) Local emergency response or evacuation plans and a description of how the proposed project could influence their effectiveness.	Appendix 1J ERP; Appendix 3.17A Fire Plan	Appendix_1J_ERP Appendix_3.17A_Fire_Plan
(C)	(ii) A discussion of how potential project pollutants could be contained onsite during a wildfire event.	Appendix 1J ERP; Appendix 3.17A Fire Plan	Appendix_1J_ERP Appendix_3.17A_Fire_Plan
(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.	Appendix 1J ERP; Appendix 3.17A Fire Plan	Appendix_1J_ERP Appendix_3.17A_Fire_Plan
(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.	Appendix 1J ERP; Appendix 3.17A Fire Plan	Appendix_1J_ERP Appendix_3.17A_Fire_Plan

(h) Engineering			
(1)	**Facility Design**		
(g)(1)	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 climatic conditions, and flooding hazards, if applicable.	Section 2_Project Description; Appendix 2A Project Design Layout and Elevations; Appendix 2B Transmission Line Designs	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations Appendix_2B_Transmission_Line_Designs
(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.	Section 2 Project Description; Appendix 2A Project Design Layout and Elevations; Appendix 2B Transmission Line Designs; Section 3.4A Geologic Hazards and Resources; Section 3.11 Soils; Section 3.15 Water Resources	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations Appendix_2B_Transmission_Line_Designs Section_3.4A_ Geologic_Hazards_and_Resources_acc Section_3.11_Soils_acc Section_3.15_Water_Resources_acc
(B)	A discussion of any measures proposed to improve adverse site conditions.	Section 2 Project Description; Section 3 all associated sections	Section_2_Project_Description_acc Section_3.0_Environmental_Analysis_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(C)	A description of the proposed foundation types, design criteria (include derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Section 2 Project Description; Appendix 2A Project Design Layout and Elevations; Appendix 2B Transmission Line Designs	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations Appendix_2B_Transmission_Line_Designs
(D)	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; (ii) The heat dissipation system; (iii) The cooling water supply system, and, where applicable, pre-plant treatment procedures; (iv) The atmospheric emission control system; (v) The waste disposal system and on-site disposal sites; (vi) The noise emission abatement system; (vii) The geothermal resource conveyance and re-injection lines (if applicable); (viii) Switchyards/transformer systems; and (ix) Other significant facilities, structures, or system components proposed by the applicant.	Section 2 Project Description; Appendix 2A Project Design Layout and Elevations; Appendix 2B Transmission Line Designs	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations Appendix_2B_Transmission_Line_Designs
(2)	**Transmission System Design**		
(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 capability and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 2 Project Description; Appendix 2A Project Design Layout and Elevations Appendix 2B Transmission Line Designs Appendix 2D Interconnection Study Appendix 2E Interconnection Agreement	Section_2_Project_Description_acc Appendix_2A_Project_Design_Layout_and_Elevations Appendix_2B_Transmission_Line_Designs Appendix_2D_Interconnection_Study Appendix_2E_Interconnection_Agreement

(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.	Section 2 Project Description Appendix 2B Transmission Line Designs Appendix 2D Interconnection Study Appendix 2E Interconnection Agreement	Section_2_Project_Description_acc; Appendix_2B_Transmission_Line_Designs Appendix_2D_Interconnection_Study Appendix_2E_Interconnection_Agreement
(3)	**Reliability**		
(g)(1)	...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.	All 17 sections included in Section 3, Environmental Analysis, include a subsection titled "Mitigation Measures" that includes specific mitigation measures proposed to mitigate identified impacts that pertain to the transmission system.	Section_3.0_Environmental_Analysis_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	Section 2, Project Description	Section_2_Project_Description_acc
(B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of: *Expected overall availability factor, and annual and lifetime capacity factors; *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; *Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability; *Special design features adopted by the applicant or resource supplier to ensure power plant reliability including equipment redundancy; and *For technologies not previously installed and operated in California, the expected power plant maturation period.	Section 2, Project Description	Section_2_Project_Description_acc
(4)	**Efficiency -Energy**		
(g)(1)	...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.	Section 2, Project Description; Section 3 all associated Sections Section 3 Environmental Analysis	Section_3.0_Environmental_Analysis_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Not applicable to Project.	N/A

(B)	Annual fuel consumption in BTUs for each mode of operation, including hot restarts and cold starts.	Not applicable to Project	N/A
(C)	Annual net electrical energy produced in MWh for each mode of operation, including starts and shutdowns.	Not applicable to Project	N/A
(D)	Number of hours the plant will be operated in each design condition in each year.	Section 2 Project Description, Section 2.1 Facility Description, Design, and Operation	Section 2_Project_Description_acc; Appendix_2B_Transmission_Line_Designs
(E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	Not applicable to Project.	N/A
(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.	Not applicable to Project.	N/A
(i) Compliance with Laws, Ordinances, Regulations and Standards			
(1)	**Tables which identify:**		
(A)	Laws, regulations, ordinances, standards, 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.	Section 3.1 through Section 3.17	Section_3.0_Environmental_Analysis_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(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.	Section 3.1 through Section 3.17	Section_3.0_Environmental_Analysis_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc

(2)	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.	Section 3.1 through Section 3.17	Section_3.0_Environmental_Analysis_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
(3)	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.	Section 1 Introduction, Section 1.7 Project History	Section_1_Intro_acc
Article 4.1 Certification of Nonfossil-Fueled Powerplants, Energy Storage Facilities, and Related Facilities			
§ 1875.	**Scope.**		
	This Article implements Chapter 6.2 of Division 15 of the Public Resources Code related to certification of nonfossil-fueled powerplants, energy storage facilities, and related facilities, as defined in section 25545(b) of the Public Resources Code. Note: Authority cited: Sections 25213, 25218(e), and 25545.12, Public Resources Code. Note: Authority cited: Sections 25213, 25218(e), and 25545.12, Public Resources Code. Reference: Sections 25545, and 25545.1, Public Resources Code.	Not applicable to Project.	N/A
§ 1876.	**Filing of Opt-in Application.**		
	Applications filed under this article shall be known as "opt-in" applications. All opt-in applications shall be filed following the requirements set forth in sections 1208 and 1208.1. All opt-in applications shall be authorized and verified as set forth in section	Not applicable to Project.	N/A
	1707, Note: Authority cited:2553 Sections 25213, 25218(e), and 25545.12, Public Resources Code. Reference: Sections 25545, 25545.1, 25545.2 and 25545.4, Public Resources Code.	Not applicable to Project.	N/A
§ 1876.5.	**Pre-filing Consultation.**		
	(a) At least 30 days before submitting an opt-in application under this Article, the applicant shall meet with staff to discuss information requirements for the opt-in application.	Not applicable to Project.	N/A
	(b) Staff shall invite the local government(s) that would have had permitting authority over the site and related facility of the construction and operation of the facility but for Chapter 6.2 of Division 15 of the Public Resources Code to participate in the meeting(s) held pursuant to subdivision (a). Note: Authority cited: Sections 25213, 25218(e), and 25545.12, Public Resources Code. Reference: Sections 25545, 25545.1, 25545.2 and 25545.4, Public Resources Code.	Not applicable to Project.	N/A
§ 1877.	**Contents of Opt-in Application.**		
	(a) The opt-in application shall contain all the information specified by Appendix B and meet the general requirements set forth in section 1704(a). For categories of information contained in Appendix B not relevant to the project, the application shall include a discussion explaining why a category does not apply. If the applicant is seeking incidental take authorization as described in California Fish and Game Code section 2081(b), the application shall include the information required in California Code of Regulations title 14, section 783.2(a)(1)-(a)(10). If the applicant is seeking lake and streambed alteration authorization under Fish and Game Code Section 1602, the application shall include the information required in California Fish and Game Code sections 1602(a)(1)(A)-(F).	Section 3.2 Biological Resources; Appendix 3.2A, Biological Technical Report; Appendix 3.2E, Incidental Take Permit Application; and Appendix 3.2F, Lake and Streambed Alteration Agreement Application.	Section_3.2_Biological_Resources_acc; Appendix_3.2A_Biological_Technical_Report Appendix_3.2E_Incidental_Take_Permit Appendix_3.2F_Lake_and_Streambed_Alteration_Agreement
	(b) The opt-in application shall contain an explanation of how the facility meets one or more of the definitions of "facility" in section 25545(b).	Section 2, Project Description	Section_2_Project_Description_acc
	(c) The opt-in application shall contain all certifications required by Public Resources Code sections 25545.3.3 and 25545.3.5. The executive director may request, and the applicant shall provide, documentation verifying any certification in the opt-in application. Unless confidential information is requested by the executive director, all supporting documentation shall be filed as a public record.	Appendix 1D, Labor Certification	Appendix_1D_Labor_Certifications

	(d) The opt-in application shall identify and discuss whether the applicant has submitted any state or federal permit applications, for permits required prior to any construction, to other relevant state agencies with authority over the project. For any required permit that has not yet been submitted to the relevant state agency, the opt-in application shall include a plan for submitting the application and any discussions that have occurred with the relevant state agency with authority over the project.	Section 1, Introduction, Section 1.7 Project History; Section 3 all associated sections	Section_1_Introduction_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
	(e) The opt-in application shall identify whether the project is on a prohibited site as identified in Public Resources Code section 25527 or on a site designated by the California Coastal Commission under Public Resources Code section 30413(b) or on a site designated by the San Francisco Bay Conservation and Development Commission under Public Resources Code section 66645(b). For projects on such a site, the opt-in application shall include documentation of the approval of the public agency having ownership or control of the land.	Section 2, Project Description; Section 3 all associated Sections Section 3_Environmental Analysis	Section_2_Project_Description_acc Section 3 all associated Sections: Section_3.1_Air_Quality_acc Section_3.2_Biological_Resources_acc Section_3.3_Cultural_Resources_acc Section_3.4_Geological_Hazards_and_Resources_acc Section_3.5_Hazardous_Materials_Handling_acc Section_3.6_Land_Use_acc Section_3.7_Noise_acc Section_3.8_Paleontological_acc Section_3.9_Public_Health_acc Section_3.10_Socioeconomics_acc Section_3.11_Soils_acc Section_3.12_Traffic_and_Transportation_acc Section_3.13_Visual_Resources_acc Section_3.14_Waste_Management_acc Section_3.15_Water_Resources_acc Section_3.16_Worker_Health_and_Safety_acc Section_3.17_Wildfire_acc
	(f) The opt-in application shall contain preliminary information identifying the overall net positive economic benefit to the local government that would have had permitting authority over the site and related facility of the construction and operation of the facility, consistent with Public Resources Code section 25545.9.	Appendix 1C, Community Benefits Plan	Appendix_1C_Community_Benefits_Plan
	(g) The opt-in application shall include the applicant's plan or strategy, including a timeline for execution, to obtain legally binding and enforceable agreement(s) with, or that benefit, a coalition of one or more community- based organizations prior to project certification, consistent with Public Resources Code section 25545.10.	Appendix 1C, Community Benefits Plan	Appendix_1C_Community_Benefits_Plan
	(h) The opt-in application shall include a discussion of whether the project meets the requirements of Public Resources Code sections 21183 and 21183.6. Note: Authority cited: Sections 25213, 25218(e), and 25545.12, Public Resources Code. Reference: Sections 25527, 25545, 25545.1, 25545.2, 25545.3.3, 25545.3.5, 25545.9, 25545.10, 30413, and 66645, Public Resources Code.	Section 3.1 Air Quality; Appendix 3.14A Air Quality and Greenhouse Gas Emissions CalEEMod Output Files	Section_3.1_Air_Quality_acc Appendix_3.14A_Air_Quality_and_Greenhouse_Gas_Emissions_CalEEMod_Output_Files