

DOCKETED

Docket Number:	21-AFC-02
Project Title:	Willow Rock Energy Storage Center
TN #:	254774
Document Title:	Supplemental AFC Cover Letter and Data Adequacy Worksheets
Description:	N/A
Filer:	Amanda Cooley
Organization:	Ellison Schneider Harris & Donlan LLP
Submitter Role:	Applicant Representative
Submission Date:	3/1/2024 3:00:14 PM
Docketed Date:	3/1/2024



February 29, 2024

Mr. Drew Bohan
Executive Director
California Energy Commission
715 P Street
Sacramento, CA 95814

Dear Mr. Bohan:

In accordance with the Committee’s August 9, 2023, order¹ (the “Committee Order”), GEM A-CAES LLC hereby submits this Supplemental Application for Certification (“Supplemental AFC”) for the Willow Rock Energy Storage Center, which contains the updated project description and updated elements of the application to reflect the updated project description.

The Committee Order provides, in pertinent part, that the Supplemental AFC should “satisfy the information requirements for an application as detailed in Appendix B to Article 6 of Title 20 in the California Code of Regulations.”² The Committee Order further provides that “Along with all amended sections of the application and related appendices, Applicant shall submit a cover letter attesting to the completeness of the supplemental AFC.”³

As an officer of GEM A-CAES LLC, I hereby attest under penalty of perjury under the laws of the State of California that the contents of this Supplemental AFC are complete, truthful, and accurate to the best of my knowledge and belief.

To support this attestation, attached hereto are Data Adequacy Worksheets demonstrating how the Applicant believes that the Supplemental AFC meets the information requirements detailed in Appendix B to Article 6 of Title 20 in the California Code of Regulations.

Sincerely,

GEM A-CAES LLC

Jon Norman
President

¹ TN #: 251599.

² *Id.*, Ordering Paragraph 3.

³ *Id.*

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Efficiency**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Section 5.0	Yes	
Appendix B (h) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Appendix 2C	Yes	
Appendix B (h) (4) (B)	Annual fuel consumption in BTUs for each mode of operation, including hot restarts and cold starts.	Not applicable – the facility does not consume fuel to operate	N/A	
Appendix B (h) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation including starts and shutdowns.	Section 2.1.5	Yes	
Appendix B (h) (4) (D)	Number of hours the plant will be operated in each design condition in each year.	Sections 2.1.4 - 2.1.6	Yes	
Appendix B (h) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	Not applicable – not a cogeneration facility	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Efficiency**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	Section 6.8	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Appendix 2A – Engineering Design Criteria	Yes	
Appendix B (i) (1) (B)	Tables that identify 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.	Not applicable	N/A	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not applicable	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Efficiency**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
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 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (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.	Not applicable	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Facility Design**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Sec. 2.2.1, Appendix 2A	Yes	
Appendix B (h) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Appendix 2A	Yes	
Appendix B (h) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Appendix 2A	Yes	
Appendix B (h) (1) (D)	For each of the following facilities 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:	Sec 2.1, Sec, 2.1.1	Yes	
Appendix B (h) (1) (D) (i)	The power generation system;	Sec 2.1.2 – 2.1.8	Yes	
Appendix B (h) (1) (D) (ii)	The heat dissipation system;	Sec 2.1.9	Yes	
Appendix B (h) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	Sec 2.1.9, Sec 2.1.14	Yes	

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 Technical Area: **Facility Design**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (D) (iv)	The atmospheric emission control system;	Main facility – not applicable; diesel generators – Sec 2.1.13.6 and 2.1.17	Yes	
Appendix B (h) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Sec 2.1.15	Yes	
Appendix B (h) (1) (D) (vi)	The noise emission abatement system;	Sec 5.7	Yes	
Appendix B (h) (1) (D) (vii)	The geothermal resource conveyance and reinjection lines (if applicable);	Not applicable	N/A	
Appendix B (h) (1) (D) (viii)	Switchyards/transformer systems; and	Sec 2.1.13, Fig. 3-3	Yes	
Appendix B (h) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Sec 2.1.10 – 2.1.13, 2.1.17 – 2.1.19	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Appendix 2A	Yes	

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 Technical Area: **Facility Design**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
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 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify 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.	Not applicable	N/A	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not applicable	N/A	
Appendix B (i) (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.	See Permits and Permit Schedule subsection at the end of each environmental	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Project Overview**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference;	See references at the end of each technical section of the AFC	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Chapters 2 to 6, Appendix 1C	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply routes and facilities, water supply routes and facilities, pollution control systems, and other general characteristics.	Sec 1.2, 1.3, Figures 1-1 to 1-6, Chapter 2	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessor's parcel numbers.	Sec 1.2, Appendix 1A, Tables 2-1 and 2-2,	Yes	

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 Technical Area: **Project Overview**
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DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Figures 1-1 to 1-6	Yes	
Appendix B (a) (1) (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.	Figures 1-1 to 1-3	Yes	
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities. Provide the direct mailing addresses for the owners and occupants of 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.	Appendix 1B	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Sec 1.7, Table 2-8	Yes	

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DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, 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.	Sec 1.6	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Sec 1.6	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in (a)(3)(A) and (B).	Sec 1.6, Appendix 1D	Yes	
Appendix B (b) (1)	In a section entitled, "Generation Facility Description, Design, and Operation" provide:	Chapter 2	Yes	
Appendix B (b) (1) (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;	Figures 2-1 to 2-4, S/T/R and APN provided in Section 1.2	Yes	
Appendix B (b) (1) (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);	Figures 2-3 to 2-6	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Project Overview**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

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Appendix B (b) (1) (C)	A detailed description of the design, methods of construction (include 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; and	Entire Chapter 2, also Section 2.1.10, 2.1.11 for reservoir and cavern construction, Section 2.1.20 and Appendix 2A	Yes	
Appendix B (b) (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 other factors considered by the applicant.	Sec 6.4	Yes	
Appendix B (b) (2)	In a section titled, "Transmission Lines Description, Design, and Operation" provide:	Chapter 3	Yes	
Appendix B (b) (2) (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);	Figure 6-2	Yes	
Appendix B (b) (2) (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	Appendix 5.13A KOP5	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Project Overview**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, 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	Chapter 3	Yes	
Appendix B (b) (2) (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; and	Sec. 6.5-1, Figure 6-2	Yes	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 2.2.8 to 2.2.9	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Reliability**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Chapter 5 Sections	Yes	
Appendix B (h) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	Not applicable – the facility does not burn fuel,, sec 2.2.4 addresses availability of CARB low sulfur diesel fuel	N/A	
Appendix B (h) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities on consideration of:	Sec 2.0	Yes	
Appendix B (h) (3) (B) (i)	Expected overall availability factor, and annual and lifetime capacity factors;	Sec 2.2.2.1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Reliability**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
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Project: _____
 Docket: _____

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Appendix B (h) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	Sec 2.3	Yes	
Appendix B (h) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	Geologic hazards – chapter 5.4; flood hazards – Geologic hazards – chapter 5.4; flood hazards –	Yes	
Appendix B (h) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability including equipment redundancy; and	Sec. 2.2.3	Yes	
Appendix B (h) (3) (B) (v)	For technologies not previously installed and operated in California, the expected power plant maturation period.	Please see TN#: 242799 for the A-CAES historical summary.	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Appendix 2A	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Reliability**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
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Project: _____
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Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Not applicable	N/A	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not applicable	N/A	
Appendix B (i) (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.	See permits and schedule section at the end of major technical area in chapter 5.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Trans Line Safety & Nuisance**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

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Appendix B (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. 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.	Chapter 5 Sections	Yes	
Appendix B (g) (18) (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 3.3 – see confidential interconnection studies referenced	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Sec 3.4.2.1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Trans Line Safety & Nuisance**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
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Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Sec 3.4.2.2, 3.4.2.3, 3.4.2.4	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Sec 3.5	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Sec. 3.5.6	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not applicable	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Trans Line Safety & Nuisance**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
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Appendix B (i) (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.	Not applicable	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Transmission System Design**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
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Appendix B (h) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Sec. 3.2	Yes	
Appendix B (h) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity	Sec 3.2, 3.3	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, 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.	Sec 3.2, 3.3, Figures 3-1a, 3-1b, 3-1c, 3-2 and 3-3	Yes	

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 Technical Area: **Transmission System Design**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

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Project: _____
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Appendix B (b) (2) (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.	Sec. 6.5-1	Yes	
Appendix B (b) (2) (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 an 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.	Sec 3.3, previously docketed interconnection studies - docket TN#s: 247169 through 247183, October 13, 2022	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Transmission System Design**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (A)	Tables that identify 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; and	Sec 3.5	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Sec 3.5	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not applicable	N/A	
Appendix B (i) (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.	Not applicable	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Section 5.1 Air Quality, pg. 5.1-1 to 5.1-31 and Appendices 5.1A through 5.1F.	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Section 5.1 Air Quality, subsections 5.1.1 to 5.1.9, Signed forms & filing fees are being submitted to EKAPCD	Yes	
Appendix B (g) (8) (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.	under separate cover Section 5.1 Air Quality, subsection 5.1.3.2, pg. 5.1-4 to 5.1-7, and Appendix 5.1A	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 5.1 Air Quality, subsection 5.1.5, pg. 5.1-12 to 5.1-13, and Appendix 5.1C.	Yes	
Appendix B (g) (8) (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.	No cooling systems are proposed.	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (E)	The emission rates of criteria pollutants and greenhouse gases (CO ₂ , CH ₄ , N ₂ O, 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 5.1 Air Quality, subsection 5.1.4, pg.5.1-7 to 5.1-9, and Appendix 5.1A.	Yes	
Appendix B (g) (8) (F)(i)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Project Description Section 2.0, Section 5.1 Air Quality, subsection 5.1.4, pg.5.1-7 to 5.1-9, and Appendix 5.1A.	Yes	
Appendix B (g) (8) (F)(ii)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the commercial operations date, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests.	Project Description Section 2.0. 5.1 Air Quality, subsection 5.1.6.9, pg. 5.1-26.	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 5.1 Air Quality, subsection 5.1.6.6 pg. 5.1-18 to 5.1-21, and Appendix 5.1E.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Section 5.1 Air Quality, subsection 5.1.6, pg. 5.1-13 to 5.1-17.	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995)), which is incorporated by reference in its entirety.	Section 5.1 Air Quality, subsection 5.1.6.3, pg.5.1-14 to 5.1-16.	Yes	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 5.1 Air Quality, subsection 5.1.6.3, pg.5.1-14 to 5.1-16. Subsection 5.1.6, and Appendix 5.1D.	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of:	Section 5.1 Air Quality, subsection 5.1.6	Yes	
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct criteria pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon	Section 5.1 Air Quality, subsections 5.1.6.7 to 5.1.6.10, pg. 5.1-21 to 5.1-26.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀) and particulate matter less than 2.5 microns in diameter (PM _{2.5}) from construction-related equipment;			
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct criteria pollutant (NO _x , SO ₂ , CO, PM ₁₀ , and PM _{2.5}) 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;	Section 5.1 Air Quality, subsections 5.1.6.7 to 5.1.6.10, pg. 5.1-21 to 5.1-26.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (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 6-mile radius that 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; and	The need for a cumulative source analysis will be assessed after the CEC data adequacy review. A search of the California Air Resource Board (CARB) Pollution Mapping Tool shows that there are no significant sources located within a 6-mile radius of the site; therefore, no cumulative air quality modeling protocol is provided in this study.	Yes	
Appendix B (g) (8) (I) (iv)	An air dispersion modeling analysis of the impacts of the initial commissioning phase emissions on state and federal ambient air quality standards for NO _x , SO ₂ , CO, PM ₁₀ , and PM _{2.5} .	Section 5.1 Air quality, subsection 5.1.6.9, pg.5.1-26.	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under (g)(1), provide:	Operational emissions are well below the EKAPCD offset thresholds, therefore no offset strategy is proposed.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (i)	The quantity of offsets or emission reductions that are needed to satisfy air permitting requirements of local permitting agencies (such as the air district), state and federal oversight air agencies, and the California Energy Commission. Identify by criteria air pollutant, and if appropriate, greenhouse gas; and	Operational emissions are well below the EKAPCD offset thresholds, therefore no offset strategy is proposed. Offsets are not required.	Yes	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions;	Offsets are not required.	N/A	
Appendix B (g) (8) (K)	A detailed description of the mitigation, if any, which an applicant may propose, for all projects 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 5.1 Air quality, subsection 5.1.5 BACT for operations equipment, pg. 5.1-12 to 5.1-13. Subsections 5.1.4.6 and 5.1.7.2.	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Section 5.1 Air Quality, subsection 5.1.7, pg. 5.1-26 to 5.1-29.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Air Quality**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 5.1 Air Quality, subsection 5.1.7.2, pg. 5.1.29 to 5.1-30.	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.1 Air Quality, subsection 5.1.7.2, pg. 5.1.29 to 5.1-30.	Yes	
Appendix B (i) (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 5.1 Air Quality, subsection 5.1.2 contains a description of the air permitting process.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Biological Resources
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	A general regional overview is provided in Section 5.2.1.1. The environmental impacts both direct and indirect are discussed in Section 5.2.2. Mitigation measures are discussed in Section 5.2.4. A Resource Management Plan as well as other mitigation is described in Section 5.2.4.1. Cumulative Impact parameters are discussed in Section 5.2.3. All other Plans are discussed in Section 5.2.5.3	Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of terrestrial and aquatic biological resources, with particular attention to sensitive biological resources within 10 miles of the project. In the discussion include a list of the USGS topographic quadrangle(s) utilized to search records from the California Natural Diversity Database (CNDDDB), and a citation which includes the date the CNDDDB was accessed. Include a map at a scale of 1:6,000 (under confidential cover) and at 1:350,000 (for public) showing sensitive biological resource location(s) in relation to the project site and related facilities and any boundaries of a local Habitat Conservation Plan or similar open space land use plan or designation. Label the biological resources and	The regional overview is found in Section 5.2.1.1. Aquatic habitats are discussed in Section 5.2.1.2. Terrestrial resources are described in Section 5.2.1.6. The USGS topo-quads used in the CNDDDB search are included in section 5.2.1. The access date is also in the same paragraph on the same page. CNDDDB maps start in Section 5.2.1.5.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Biological Resources
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	survey areas as well as the project facilities. Sensitive biological resources include:			
Appendix B (g) (13) (A) (i)	species listed under state or federal Endangered Species Acts;	F and T listed plants under Section 5.2.1.7.	Yes	
Appendix B (g) (13) (A) (ii)	species receiving consideration during environmental review under CEQA Guidelines Section 15380;	All sensitive species are under Section 5.2.1.7.	Yes	
Appendix B (g) (13) (A) (iii)	species identified as state Fully Protected;	Fully protected species are under Section 5.2.1.7.	Yes	
Appendix B (g) (13) (A) (iv)	species covered by Migratory Bird Treaty Act;	Too long to list all species, a link to website is in section 5.2.2.1	Yes	
Appendix B (g) (13) (A) (v)	species and habitats identified by local, state, and federal agencies as needing protection, including but not limited to those identified by the CNDDDB, 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;	Sensitive habitats are identified in Section 5.2.1.3.	Yes	
Appendix B (g) (13) (A) (vi)	locally significant species that are rare or uncommon in a local context such as county or region or is so designated in local or regional plans, policies, or ordinances;	The only species listed as sensitive in local plans, policies, or ordinance context are Oak Trees, this species was not observed on site.	Yes	
Appendix B (g) (13) (A) (vii)	plant species listed as rare under the California Native Plant Protection Act;	This includes a variety of plants the project includes western Joshua tree and silver chola	Yes	
Appendix B (g) (13) (A) (viii)	established native resident or migratory wildlife corridors or wildlife nursery sites.	Discussed in Section 5.2.2.1	Yes	
Appendix B (g) (13) (B)	Include a list of the species and habitat(s) observed and those with a potential to occur within 1 mile of the project site and 1,000 feet	The list of species identified is in appendix 5.2B Observed Species List. Habitats are shown on	Yes	

		<p>Figure 5.2-5. Described in Section 5.2.1.6. Survey only included a 500-foot buffer on transmission lines and a 1,000 foot buffer on project site. Additional spring surveys will be conducted for the buffer areas for the optional berm.</p>		
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Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET** Revision No. _____ Date: _____
 Technical Area: Biological Resources Project: _____ Technical Staff: _____
 Project Manager: _____ Docket: _____ Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	from the outer edge of linear facility corridors. Maps or aerial photographs shall include the following:			
Appendix B (g) (13) (B) (i)	Detailed maps at a scale of 1:6,000 or color aerial photographs taken at a recommended scale of 1-inch equals 500 feet (1:6,000) with a 30 percent overlap (provided under confidential cover) and 1:350,000 (for public viewing) that show the proposed project site and related facilities, biological resources including, but not limited to, those found during project-related field surveys and in records from the CNDDDB, and the associated areas where biological surveys were conducted. Label the biological resources and survey areas as well as the project facilities;	Maps regarding field surveys, CNDDDB findings, were included at a scale of 1:6,000 and 1:350,000 for public viewing. Figures are spread throughout the document.	Yes	
Appendix B (g) (13) (B) (ii)	Provide an aerial map of the isopleth graphic depicting modeled nitrogen deposition rates. The geographical extent of the nitrogen deposition map(s) should include the entire plume and a radius of 6 (six) miles from the source, specifically identifying acres of sensitive habitat(s) within each isopleth Modeling parameters and files shall be provided.	N/A	N/A	
Appendix B (g) (13) (B) (iii)	An aerial photo depicting state and federal jurisdictional features including state waters and wetlands delineated on maps at a scale of (1:2,400) showing any potential jurisdictional features delineated out to 250 feet from the edge of disturbance if wetlands occur within 250 feet of the project site and/or related	Maps include 5.2-1a and 5.2-1b starting in section 5.2.1.2	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Biological Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	<p>facilities that would be included with the U.S. Army Corps of Engineers Section 404 Permit application, Regional Water Quality Control Board (RWQCB) application, or California Department of Fish and Wildlife Section 1600 et seq. permit requirements. For projects proposed to be located within the coastal zone, also provide aerial photographs or maps as described above that identify wetlands as defined by the Coastal Act and under the jurisdiction of the California Coastal Commission.</p>			
Appendix B (g) (13) (B) (iv)	Provide Geographic Information System (GIS) data (shape and/or geodatabase files) for all data mapped for biological resources.	Shapefiles to be provided	Yes	
Appendix B (g) (13) (C)	A discussion of the biological resources at the proposed project site and related facilities. Related facilities include, but are not limited to, laydown and parking areas, gas and water supply pipelines, transmission lines, and roads. The discussion shall address the distribution of vegetation community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and other appropriate biological resources including the following:	Habitat within the project site are described in Section 5.2.1.6 starting.	Yes	
Appendix B (g) (13) (C) (i)	A list of sensitive species and habitats with a potential to occur (defined in (A) above) and include status (state, federal, California Native Plant Society, global rank, state rank, etc.)	The list of sensitive plants occurs under Section 5.2.1.7.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Biological Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C) (iii)	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.	N/A	N/A	
Appendix B (g) (13) (D)	A description and results of all field studies and specialized surveys (e.g., focused and protocol) used to provide biological baseline information about the project site and associated facilities. Include copies of the CNDDDB records and field survey forms completed by the applicant's biologist(s). Identify the date(s) the surveys were completed, methods used to complete the surveys, and the name(s) and qualifications of the biologists conducting the surveys. Include:	CNDDDB forms will be provided. A description of the methods completed for all surveys is in Section 5.2.1.5 Resumes of the biology team are provided.	Yes	
Appendix B (g) (13) (D) (i)	Current biological resources surveys conducted using appropriate field survey protocols (include references) during the appropriate season(s). State and federal agencies with jurisdiction shall be consulted for field survey protocol guidance prior to surveys if a protocol exists;	All current survey protocols were used during the surveys. Consultation was conducted with CDFW to adjust some survey windows due to weather conditions. CDFW reviewed and approved our survey protocol prior to conducting the surveys.	Yes	
Appendix B (g) (13) (D) (ii)	If the project or any related facilities could impact federal or state jurisdictional wetland, provide completed Army Corps of Engineers wetland delineation forms or determination of wetland status pursuant to Coastal Act or CEFW	Section 5.2.1.2	Yes	

Adequacy Issue: Adequate Inadequate **DATA ADEQUACY WORKSHEET** Revision No. _____ Date: _____
 Technical Area: Biological Resources Project: _____ Technical Staff: _____
 Project Manager: _____ Docket: _____ Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	requirements, as applicable to the location, name(s) and qualifications of biologist(s) completing the delineation, the results of the delineation and a table showing jurisdictional features including state waters and wetland acreage amounts to be impacted.			
Appendix B (g) (13) (E)	Impacts discussion	Impact discussion starts in Section 5.2.2	Yes	
Appendix B (g) (13) (E) (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 and air emissions (i.e., nitrogen deposition);	Impact discussion starts in Section 5.2.2. Construction impacts occur 5.2.2.2, Operation Impacts occur in Section 5.2.2.3. Cumulative effects are discussed in Section 5.2.3	Yes	
Appendix B (g) (13) (F)	A discussion of all feasible mitigation measures and an evaluation of their anticipated efficacy in reducing the level of impacts, including, but not limited to the following:	Mitigation Measures are in Section 5.2.4.1.	Yes	
Appendix B (g) (13) (F) (i)	All measures proposed to avoid and/or reduce adverse impacts to biological resources;	Minimization measures are in Section 5.2.4.2	Yes	
Appendix B (g) (13) (F) (ii)	All off-site habitat mitigation such as habitat improvement or compensation including management, and an identification of appropriate agency contacts for coordination and verification of proposed habitat mitigation measures;	The only off-site mitigation requirements is for western Joshua tree as listed under Section 5.2.4.2.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Biological Resources
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F) (iii)	Educational programs to enhance employee awareness during construction and operation to protect biological resources.	The Worker Environmental Awareness Program is described in Section 5.2.4.1	Yes	
Appendix B (g) (13) (G)	A discussion of compliance and monitoring programs to ensure the effectiveness of impact avoidance and mitigation measures incorporated into the project.	Pre-construction clearance surveys and construction monitoring efforts are included in Section 5.2.4.1	Yes	
Appendix B (g) (13) (H)	Submit copies of any preliminary correspondence between the project applicant and state and federal resource agencies regarding whether federal or state permits from other agencies such as the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, the U.S. Army Corps of Engineers, the CDFW, and the RWQCB will be required for the proposed project.	Correspondence with resource agencies were completed by teleconference only. No written correspondence was completed.	N/A	
Appendix B (i) (1) (A)	Tables that identify 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; and	Local laws and regulations are discussed in Section 5.2.5.3	Yes	
Appendix B (i) (1) (B)	Tables that identify each agency with jurisdiction to issue applicable permits, leases, and approvals or to enforce identified laws, regulations, standards, and adopted local,	The table begins in Section 5.2.5	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Biological Resources
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	regional, state and federal land use plans, and agencies that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.			
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Agency contacts are located in Section 5.2.7.	Yes	
Appendix B (i) (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.	Permit discussion is in Section 5.2.6.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Cultural Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	1. Affected Environment: Section 5.3.1 pg 3 2. Direct Impacts of construction: Section 5.3.3.1.1 pg 21-22 3. Indirect impacts due to construction: Section 5.3.3 1 pg 21-22 4. Cumulative impacts: Section 5.3.4 pg 23 5. Mitigation measures: Section 5.3.5 pg 23-26 6. Effectiveness of mitigation measures: Section 5.3.31 pg 21-22 7. Monitoring plans for mitigation: Section 5.3.5.3 pg 24 8. Cumulative Setting: Section 5.3.4 pg 23	Yes	
Appendix B (g) (2)	Cultural resources and tribal cultural resources together comprise objects, buildings, structures, sites, features, areas, places, records, sacred places, cultural landscapes, or manuscripts, all of which may have significance according to criteria outlined in sections 21074 and 21084.2 of the Public Resources Code.	1. Cultural resources and tribal resources: Section 5.3.3 pg 20	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Cultural Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (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.	1. Ethnology: Section 5.3.1.8 pg 5 2. Prehistory: Section 5.3.1.1-7 pg 3-5 3. History: Section 5.3.1.9 pg 7 4. Potential for buried cultural resources and tribal cultural resources: Section 5.3.2.1.1 pg 12; Section 5.3.4 pg 24 5. Identification of field resources: Section 5.3.2 pg 9; Section 5.3.2.1.2 pg 18; Section 5.3.5.3.3 pg 25	Yes	

<p>Appendix B (g) (2) (B)</p>	<p>The results of a literature search to identify cultural resources and tribal cultural resources within an area not less than a 1-mile radius around the project site and not less than one-quarter (0.25) mile on each side of the linear facilities. Identify any cultural resources or tribal cultural resources listed pursuant to ordinance by a city or county or recognized by any local historical or archaeological society or museum. Literature searches to identify the above cultural resources and tribal cultural resources must be completed by, or under the direction of, individuals who meet the Secretary of the Interior's Professional Standards for the technical area addressed.</p> <p>Copies of California Department of Parks and Recreation (DPR) 523 forms (Title 14 CCR section 4853) shall be provided for all cultural resources and tribal cultural resources (ethnographic, architectural, historical, and archaeological) identified in the literature search as being 45 years or older or of exceptional importance as defined in the National Register Bulletin Guidelines, (36CFR60.4(g)). A copy of the USGS 7 5-minute quadrangle map of the literature search area delineating the areas of all past surveys and noting the California Historical Resources Information System (CHRIS) identifying number shall be provided. Copies also shall be provided of all technical reports whose survey coverage is wholly or partly within .25 mile of the area surveyed for the project under section (g)(2)(C), or which report on any archaeological excavations or architectural surveys within the literature search area.</p>	<ol style="list-style-type: none"> 1. Results of literature search to identify cultural resources: Section 5.3.2.1.1, pg 12 2. Identify any cultural resources or tribal cultural resources: Section 5.3.2.1.1 pg 16, 18 3. Literature search conducted by qualified individuals: Section 5.3 pg 2 4. DPR 523 Forms: Section 5.3.2.1.2 pg 18 5. USGS map of the literature search area: Section 5.3.2.1.1 pg 12 6. CHRIS identifying number: Section 5.3.2.1.1 pg 12 	<p>Yes</p>	
<p>Appendix B (g) (2) (C)</p>	<p>The results of new cultural resource and tribal resource surveys or surveys less than 5 years</p>	<ol style="list-style-type: none"> 1. Results of new surveys provided if old surveys are 	<p>Yes</p>	

	<p>old shall be provided if survey records of the area potentially affected by the project are more than 5 years old. Surveys to identify new cultural resources and tribal cultural resources must be completed by (or under the direction of) individuals who meet the Secretary of the Interior’s Professional Standards for the technical area addressed.</p> <p>New pedestrian archaeological surveys shall be conducted inclusive of the project site and project linear facility routes, extending to no less than 200 feet around the project site, substations and staging areas, and to no less than 50 feet to either side of the right-of-way of project linear facility routes. New historic architecture field surveys in rural areas shall be conducted inclusive of the project site and the project linear facility routes, extending no less than 0.5 mile out from the proposed plant site and from the routes of all above-ground linear facilities. New historic architecture field surveys in urban and suburban areas shall be conducted inclusive of the project site, extending no less than one parcel’s distance from all proposed plant site boundaries. New historic architecture field reconnaissance (“windshield survey”) in urban and suburban areas shall be conducted along the routes of all linear facilities to identify, inventory, and characterize structures and districts that appear to be older than 45 years or that are exceptionally significant, whatever their age.</p> <p>A technical report of the results of the new surveys, conforming to the Archaeological Resource Management Report format (CA Office of Historic Preservation Feb 1990), which is incorporated by reference in its entirety, shall be separately provided and submitted (under</p>	<p>more than 5 years old: Section 5.3.2.1 pg 18-19 2. Surveys completed by SOI Qualified Professionals: Section 5.3 pg 2 3. Survey Areas: Section 5.3 pg 1 4. Confidential Technical Report: Section 5.3, pg 2</p>		
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Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Cultural Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	confidential cover if archaeological resource or other sensitive resource locations are included).			
Appendix B (g) (2) (C) cont.	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 California Code of Regulations, title 20, section 2501 et seq. At a minimum, the technical report shall include			
Appendix B (g) (2) (C) (i)	The summary from Appendix B (g)(2)(A) and the literature search results from Appendix B (g)(2)(B);	Cultural Setting and Literature review results: Appendix 5.3B, Section 5.2 pg 43 and Section 6.2 pg 46-107	Yes	
Appendix B (g) (2) (C) (ii)	The survey procedures and methodology used to identify cultural resources and a discussion of the resources identified by the survey;	1. Survey procedure: Appendix 5.3B, Section 5.3 pg 43-45 2. Discussion of resources identified: Appendix 5.3B, Section 6 pg 47-112	Yes	
Appendix B (g) (2) (C) (iii)	Copies of all new and updated DPR 523(A) forms. If a cultural resource or tribal cultural resource may be impacted by the project, also include the appropriate DPR 523 detail form for each such resource;	Copies of new and updated DPR 523 forms: Appendix D of AFC Appendix 5.3B, pg D-1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Cultural Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (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); and	Map of locations of surveyed resourced: Appendix 5.3B, Figures A.4, A.5, C.1, and C.2	Yes	
Appendix B (g) (2) (C) (v)	The names and qualifications of the cultural resources specialists who contributed to and were responsible for literature searches, surveys, and preparation of the technical report.	Names and Qualifications of specialists: Appendix 5.3B, Section 5.3 pg 43-44	Yes	
Appendix B (g) (2) (D) (1)	A copy of the applicant's request to the Native American Heritage Commission (NAHC) for information on Native American sacred sites and lists of Native Americans interested in the project vicinity, and copies of any correspondence received from the NAHC.	Copy of NAHC Request and copies of correspondence: Appendix B of AFC Appendix 5.3B.	Yes	
Appendix B (g) (2) (D) (2)	A copy of all correspondence sent to Native American individuals and groups listed by the NAHC and copies of all responses. Notification to Native Americans shall include a project description and map	Copies of Correspondence with Native American Tribes: Appendix B of AFC 5.3B	Yes	
Appendix B (g) (2) (D) (3)	A written summary of any oral responses.	Summary of oral responses from Tribes: Appendix B of AFC Appendix 5.3B	Yes	
Appendix B (g) (2) (E)	Include in the discussion of proposed mitigation measures required by (g)(1):	Section 5.1 Air Quality, subsection 5.1.7.2, pg. 5.1-21 to 5.1-26.	Yes	
Appendix B (g) (2) (E) (i)	A discussion of measures proposed to mitigate project impacts to known cultural and tribal cultural resources;	Mitigation measures: Appendix 5.3B, Section 7.5 pg 159-161	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Cultural Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (E) (ii)	A set of contingency measures proposed to mitigate potential impacts to previously unknown cultural and tribal cultural resources and any unanticipated impacts to known cultural or tribal cultural resources; and	Mitigation of Unknown resources and unanticipated impacts: Appendix 5.3B, Section 7.4.3, pg 159-161	Yes	
Appendix B (g) (2) (E) (iii)	Educational programs to enhance employee awareness during construction and operation to protect cultural and tribal cultural resources.	Educational programs: Appendix 5.3B, Section 7.4.3.2 pg 160	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Tables of LORS: Section 5.3.6 of the AFC pg 26 and Appendix 5.3B, Section 7.4.1 pg 159	Yes	
Appendix B (i) (1) (B)	Tables that identify 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.	Table of Agencies with Jurisdiction to issue applicable permits: AFC Section 5.3.7 pg 29 and Appendix 5.3B, Section 7.4.1 pg 159	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Cultural Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Contact for agency contacts: AFC Section 5.3.7 pg 29 and Appendix 5.3B, Section 7.4.2 pg 162	Yes	
Appendix B (i) (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	Permit schedule: AFC Section 5.3.8 pg 30 and Appendix 5.3B, Section 7.4.3 pg 163	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Geological Hazards**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	1. Site conditions: Section 5.4.1 2. Direct Impacts: Section 5.4.2 3. Indirect Impacts: Section 5.4.2 4. Cumulative Impacts: Section 5.4.3 Mitigation measures: Section 5.4.4 6. Effectiveness of proposed mitigation measures: Section 5.4.4 7. Monitoring Plans: Section 5.4.4	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities, including linear facilities.	1. Geology: 5.4.1.1 and 5.4.1.2 2. Seismicity: 5.4.1.3 and 5.4.1.4.2 Geologic resources: 5.4.1.5	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Geological Hazards**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within two (2) miles of the project site and along proposed facilities. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, tsunami runup, and expansion or collapse of soil structures at the plant site. Describe known geologic hazards along or crossing linear facilities.	1. 1:24,000 maps: Figures 5.4-1a, -1b, -2, and -3 2. Geology: 5.4.1.1 and 5.4.1.2 3. Ground rupture: 5.4.1.4.1 4. Seismic shaking: 5.4.1.4.2 5. Mass wasting and slope stability: 5.4.1.4.4 and 5.4.1.4.8 6. Liquefaction: 5.4.1.4.3 7. Subsidence: 5.4.1.4.5 8. Tsunami: 5.4.1.4.7 Expansive soil: 5.4.1.4.6	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	1. Map of commercial geologic resources: Figures 5.4-4, 5.4-5 2. Identifying and evaluating resource Section 5.4.1.5	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Geological Hazards**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (A)	Tables that identify 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; and	1. Tables identifying laws, regulations, ordinances...: Section 5.4.5 Federal Land Use Plans, leases, and permits: Section 5.4.7	Yes	
Appendix B (i) (1) (B)	Tables that identify 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.	1. Table identifying each agency : Section 5.4.6	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	N/A	N/A	
Appendix B (i) (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.	1. Section 4.5.7	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Hazardous Materials
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 2.29, 2.2.10, and 5.14.4.3	Yes	
Appendix B (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. 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.	Sections 5.5.1-1, 5.5.1.1-1, 5.5.1.2-1, 5.5.1.2.1-1, 5.5.1.2.2-1, 5.5.2.4.1.1-10, 5.5.3-12, 5.5.4-12, 5.5.4.1-13, 5.5.4.1.1-13, 5.5.4.1.2-13, 5.5.4.2-14, 5.5.4.2.1-14, 5.5.4.2.1.1-15, 5.5.4.2.2-15, 5.5.4.2.3-15, 5.5.4.3-16, 5.5.4.4-16	Yes	
Appendix B (g) (10) (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.	Sections 5.5.1.2-1, 5.5.1.2.1-1, 5.5.1.2.2-1 Tables 5.5-1-2, 5.5-2-3, 5.5-3-5, 5.5-4-7	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, daycare facilities, and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.5-1-11, noted that no schools, hospitals, daycare or long-term health care facilities are within the project area	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Hazardous Materials
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Sections 5.5.1.2-1, 5.5.1.2.1-1, 5.5.1.2.2-1, 5.5.2.2-8, 5.5.2-7, 5.5.2.1-7, 5.5.2.2-8, 5.5.2.3.1-8, 5.5.2.3.2-8, 5.5.2.4-9, 5.5.2.4.1-10, 5.5.2.4.1.1-10, 5.5.2.4.1.2-10 Tables 5.5-1-2, 5.5-2-3, 5.5-3-5, 5.5-4-7	Yes	
Appendix B (g) (10) (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 submitted after the application is complete.	Section 5.5.2.4-9 Not applicable. Project will not be subject to the Accidental Release Program	N/A	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code section 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.5.2.3.2-8 Table 5.5-7-24	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Sections 5.5.4-12, 5.5.4.1-13, 5.5.4.1.1-13, 5.5.4.2-14, 5.5.4.2.1-14, 5.5.4.2.1.1-15, 5.5.4.2.2-15, 5.5.4.2.3-15, 5.5.4.2.4-15, 5.5.4.3-16	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Hazardous Materials
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Sections 5.5.2.4-9, 5.5.2.4.1-10, 5.5.2.4.1.1-10, 5.5.2.4.1.2-10	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Table 5.5-5-17	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Table 5.5-7-23	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.5.6-22 Table 5.5-6-17	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: Hazardous Materials
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (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 5.5.7-22 Table 5.5-7-23	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Land Use**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	5.6.1 Affected Environment (Pg. 5.6-1) 5.6.2.2 Potential Effects on Land Use during WRESC Construction and Operation (Pg. 5.6-20) 5.6.3 Cumulative Effects (Pg. 5.6-28) 5.6.4 Mitigation measures (Pg. 5.6-29)	Yes	
Appendix B (g) (3) (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:	5.6.1 Affected Environment (Pg. 5.6-5)	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	5.6.1.2 Specific Land Uses within the Willow Rock Study Area (Pg. 5.6-8)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Land Use**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) (ii)	A discussion of any recent or proposed zone changes and/or general plan amendments; noticed by an elected or appointed board, commission, or similar entity at the state or local level;	5.6.1.7 Recent Proposed Zone Changes and General Plan Amendments (Pg. 5.6-19)	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	5.6.1.8 Recent Discretionary Reviews by Public Agencies (Pg. 5.6-19)	Yes	
Appendix B (g) (3) (A) (iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figures 5.6-1, 5.6-2, 5.6-3, 5.6-4, 5.6-5, 5.6-6 (Pg.5.6-2,3,4,6,11,14)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Land Use**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed project with present and expected land uses, and conformity with any long-range land use plans and policies adopted by any federal, state, regional, or local planning agencies. The discussion shall identify the need, if any, for land use decisions by another public agency or as part of the commission's decision that would be necessary to make the project conform to adopted federal, state, regional, or local coastal plans, land use plans, or zoning ordinances. Examples of land use decisions include general plan amendments, zoning changes, lot line adjustments, parcel mergers, subdivision maps, Agricultural Land Conservation Act contracts cancellation, and Airport Land Use Plan consistency determinations.	5.6.2.3 Compatibility with Existing and Designated Land Uses and Applicable Planning Policies (Pg. 5.6-28) 5.6.2.2 Potential Effects on Land Use during WRESC Construction and Operation (5.6-21)	Yes	
Appendix B (g) (3) (C)	A discussion of the legal status of the parcel(s) on which the project is proposed. If the proposed site consists of more than one legal parcel, describe the method and timetable for merging or otherwise combining those parcels so that the proposed project, excluding linears and temporary laydown or staging area, will be located on a single legal parcel. The merger need not occur prior to a decision on the Application but must be completed prior to the start of construction.	5.6 Land Use (pg. 5.6-1)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Land Use**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (D)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 5.6-5 (Pg. 5.6-14)	Yes	
Appendix B (g) (3) (D) (i)	Land classifications as shown on the Farmland Mapping and Monitoring Program's Important Farmland maps, crop types, irrigation systems, and any special cultivation practices;	5.6.1.2.4 Agricultural Use (pg. 5.6-12) Figure 5.6-5 (pg. 5.6-14)	Yes	
Appendix B (g) (3) (D) (ii)	Whether agricultural land affected by the project was historically classified Farmland as defined by the California Department of Conservation (Prime Farmland, Farmland of Statewide Importance, or Unique Farmland).	5.6.1.2.4 Agricultural Use (Pg. 5.6-12)	Yes	
Appendix B (g) (3) (D) (iii)	Direct, indirect, and cumulative effects on agricultural land uses. If the proposed site or related facilities are subject to an Agricultural Land Conservation contract, provide a written copy and a discussion of the status of the expiration or canceling of such contract.	5.6.2.2.4 Convert Farmland to Non-Agricultural Uses 5.6.2.2.5 Cause Changes that will Result in the Conversion of Farmland (Pg. 5.6-37)	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Tables 5.6-2, 5.6-3, 5.6-4, 5.6-5 (Pg. 5.6-15,17,22,30)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Land Use**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Table 5.6-6 (Pg. 5.6-30)	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Table 5.6-6 (Pg. 5.6-30)	Yes	
Appendix B (i) (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.	5.6.7 Permits and Permitting Schedule (Pg. 5.6-30)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Noise and Vibration**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	5.7.2 Affected Environment (pg 5.7-4) 5.7.3.2 Construction Impacts (pg 5.7-14) 5.7.3.3 Operational Impacts (pg 5.7-21) 5.7.4 Cumulative Effects (pg 5.7-26) 5.7.5 Mitigation Measures (pg 5.7-27)	Yes	
Appendix B (g) (4) (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 5.7.2.2 Figure 5.7 1: Noise Monitoring and Noise Sensitive Area Locations (pg 5.7-6)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Noise and Vibration**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (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 (daynight 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).	5.7.2.2 Ambient Noise Survey (pg 5.7-4) APPENDIX 5.7B Hourly Weather Data - Kestrel On-site Weather Station	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Section 5.7.3.2 Table 5.7 8: Construction Noise Source Data (pg 5.7-16) Section 5.7.3.3 Table 5.7 11: Operations Noise Source Data (pg 5.7-23)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Noise and Vibration**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Section 5.7.3.2.1 Table 5.7 9: Modeled Construction Noise Levels at Residential Receptors (pg 5.7-17) Section 5.7.3.3.3 Table 5.7 12: Modeled Operational Noise Levels at Residential Receptors 5.7-24	Yes	
Appendix B (g) (4) (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.	5.7.3.2.3 Worker Exposure to Noise (Construction) (pg 5.7-20) 5.7.3.3.1 Worker Exposure (Operations) (pg 5.7-21)	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines	5.7.3.3.2 Transmission Line and Switch-yard Noise Levels (pg 5.7-21)	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Noise and Vibration**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (A)	Tables that identify 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; and	5.7.6 Laws, Ordinances, Regulations, and Standards (pg 5.7-28)	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	5.7.6 Table 5.7 14: Summary of Laws, Ordinances, Regulations, and Standards for Noise (pg 5.7-28)	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	5.7.7 Agencies and Agency Contacts 5.7-30	Yes	
Appendix B (i) (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.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Paleontological Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	1. Site Conditions: Section 5.8.11, pg 5 2. Direct Impacts: Section 5.8.2.2.1, pg 14 3. Indirect Impacts: Section 5.8.2.2.2, pg 15 4. Cumulative Impacts: Section 5.8.2.2.3, pg 15 5. Operation and Maintenance of project: Section 5.8.2.2.1, Pg 14 6. Mitigate adverse environmental impacts: Section 5.8.2.5 Page 15 7. Cumulative Setting for project: Section 5.8.3	Yes	
Appendix B (g) (16) (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.	1. Identification of Physiographic Province: Section 5.8.1.1, Pg 5 2. Geologic Setting: Section 5.8.11 Pg 5	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known 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.	1. Sensitivity of project: Section 5.8.2.2.1, pg 14 2. Presence and significance of any known localities in or near project: Section 5.8.1.2.4, pg 7 3. Sensitivity for each geologic unit: Section 5.8.1.2.4 pg 12, table 5.8-3 4. Figure 5.08-1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Paleontological Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (C)	A summary of all local museums, literature searches and field surveys used to provide information about paleontological resources in the project area described in (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.	1. Museums, Literature, searches on paleontological resources: Section 5.8.1.2.1 pg 5 & 6 2. Dates of Surveys: Section 5.8.1.2.1 pg 6 3. Method of survey: Section 5.8.1.2.1 pg 6 4. Section 5.8.1.2.1	Yes	
Appendix B (g) (16) (D)	Information on the specific location of known palaeontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, showing occurrences of fossil finds, if known, within a 1-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 California Code of Regulations, title 20, section 2501 et seq.	1. Information on specific locations of paleontologic resources: Section 5.8.1.2.4 pg 2. Information on specific locations of survey reports: Section 5.8.1.2.5, pg 8 None of the localities can be placed within 1-mil of any project component based on the locality descriptions provided by the LACM's record search. Therefore, a confidential map of localities beyond the submitting the record search results is not provided.	Yes	

Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known palaeontologic resources, and a set of contingency measures for mitigation of potential impacts to unknown paleontological resources.	1. Educational Programs for employees: Section 5.8.2.4, pg 15 2. Mitigation of impacts to known palaeontologic resources: Section 5.8.2.5, page 16 3. Contingency measures for mitigation of potential impacts to unknown paleontological resources: Section 5.8.2.6 pg 16	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	1. Table that identifies...: Section 5.8.2.7, pg	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Paleontological Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	N/A	- N/A	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	N/A	- N/A	
Appendix B (i) (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.	1. Schedule for when permits are to be obtained: Section 5.8.3, pg 19 2. Steps applicant has taken: Section 5.8.3, pg 19	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Public Health**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Section 5.1 Air Quality and Section 5.9 Public Health, and Section 2.0 Project Description, and Appendices 5.1A through 5.1F and Appendices 5.9A through 5.9E.	Yes	
Appendix B (g) (9) (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) (HSC sections 44360-44366) or its successor and Approved Risk Assessment Health Values. These values should 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 5.9 Public Health, subsections 5.9.1 through 5.9.6., pg. 5.9-1 to 5.9-19, and Appendices 5.9A to 5.9E.	Yes	
Appendix B (g) (9) (B)	A listing of the input data and output results, in both electronic and print formats, used to prepare the HARP health risk assessment.	Section 5.9 Public Health, Tables 5.9-1 to 5.9-10, and Appendix 5.9D. The electronic file submittal includes the project summary input/output	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Public Health**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
		reports (not submitted in printed form).		
Appendix B (g) (9) (C)	Identification of available health studies through the local public health department concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site related to respiratory illnesses, cancers or related diseases.	Section 5.9 Public Health, subsection 5.9.2.4, pg. 5.9-7.	Yes	
Appendix B (g) (9) (D)	A map showing sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	A listing of sensitive receptors is presented in Appendix 5.9A. The modeled receptor grids as presented in Appendix 5.1D incorporated these receptors.	Yes	
Appendix B (g) (9) (E)	For this section, the following definitions apply:	Definitions noted.	N/A	
Appendix B (g) (9) (E) (i)	A sensitive receptor refers to infants and children, the elderly, and the chronically ill, and any other member of the general population who is more susceptible to the effects of the exposure than the population at large;	Definition noted.	N/A	
Appendix B (g) (9) (E) (ii)	An acute exposure is one that occurs over a time period of less than or equal to one (1) hour; and	Definition noted.	N/A	
Appendix B (g) (9) (E) (iii)	A chronic exposure is one that is greater than twelve (12) percent of a lifetime of seventy (70) years.	Definition noted.	N/A	
Appendix B (i) (1) (A)	Tables that identify 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	Section 5.9 Public Health, subsection 5.9.5 pg. 5.9-17.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Public Health**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	conformance with each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and			
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 5.9 Public Health, subsection 5.9.5.5, pg. 5.9-18.	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.9 Public Health, subsection 5.9.5.5, pg. 5.9-18.	Yes	
Appendix B (i) (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 5.9 Public Health, subsection 5.9.5.4, pg. 5.9-18. Permitting schedules are discussed in the Hazardous Materials Handling section and in the Section 5.1 Air Quality, subsection 5.1.2.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	5.10.1 Affected Environment 5.10.2 Environmental Analysis 5.10.3 Cumulative Effected 5.10.4 Mitigation Measures 5.10.5 Laws, Ordinances, Regulations, and Standards	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	5.10.1 Affected Environment	Yes	
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	5.10.1.3 Economy and Employment 5.10.1.5 Fiscal Resources	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	5.10.1.1 Population	Yes	
Appendix B (g) (7) (A) (iii)	Existing unemployment rates;	5.10.1.3 Economy and Employment	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by occupation required for construction and operation of the project;	5.10.3 Economy and Employment	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing and current vacancy rate; and	5.10.1.2 Environmental Analysis	Yes	
Appendix B (g) (7) (A) (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 schedule.	5.10.1.6 Public Services and Facilities 5.10.1.7 Utilities	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project (note year of estimate, model, if used, and appropriate sources), including:	5.10.2.3 Construction Impacts 5.10.2.4 Operational Impacts	Yes	
Appendix B (g) (7) (B) (i)	An estimate of the number of workers to be employed each month by occupation during construction, and for operations, an estimate of the number of permanent operations workers during a year;	5.10.2.3.1 Construction Workforce 5.10.2.4.4 Result in Substantial Adverse Impacts on the Local Economy and Employment	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (ii)	An estimate of the percentage of non-local workers who will relocate to the project area to work during the project construction and operation;	5.10.2.3.3 Displace a Large Number of People or Impact Existing Housing	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	5.10.2.4.2 Induce Substantial Growth of Concentration of Population	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	5.10.2.4.3 Displace a Large Number of People or Impact Existing Housing	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs and ability to meet local service standards, on utilities (gas, water, and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. Include response times to hospitals and for police protection, fire projection, 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;	<p>5.10.2.3.6 result in Substantial Adverse Impacts on Educational Facilities</p> <p>5.10.2.3.7 Result in Substantial Adverse Impacts on Provision of Utility Services</p> <p>5.10.2.3.8 Result in Substantial Adverse Impacts on Provision of Public Services</p> <p>5.10.2.4.6 Result in Substantial Adverse Impacts on Educational Facilities</p> <p>5.10.2.4.7 Result Adverse Impacts on Provision of Utility Services</p> <p>5.10.2.4.8 Result in Substantial Adverse Impacts on Provision of Public Services</p>	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	5.10.2.4.6 Result in Substantial Adverse Impacts on Educational Facilities	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and separate estimates of the total operation payroll for permanent and short-term (contract) operations employees;	5.10.2.4.4 result in Substantial Adverse Impacts on the Local Economy and Employment 5.10.2.3.4 Result in Substantial Adverse Impacts on the Local Economy and Employment	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project;	5.10.2.3.4 Result in Substantial Adverse Impacts on the Local Economy and Employment	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost (plant and equipment) of the project;	5.10.2.3.4 Result in Substantial Adverse Impacts on the Local Economy and Employment	Yes	
Appendix B (g) (7) (B) (x)	An estimate of sales taxes generated during construction and separately during an operational year of the project;	5.10.2.3.5 Create Adverse Fiscal Impacts in the Community	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (xi)	An estimate of property taxes generated during an operational year of the project;	5.10.2.4.5 Create Adverse Fiscal Impacts on the Community	Yes	
Appendix B (g) (7) (B) (xii)	The expected direct, indirect, and induced income and employment effects due to construction and operation of the project; and	5.10.2.4.4 result in Substantial Adverse Impacts on the Local Economy and Employment 5.10.2.3.4 Result in Substantial Adverse Impacts on the Local Economy and Employment	Yes	
Appendix B (g) (7) (B) (xiii)	A discussion of impacts to environmental justice populations by technical areas and whether any impacts would disproportionately affect the environmental justice populations.	Appendix A	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Table 5.10-16 LORS for Socioeconomics	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Socioeconomics**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Table 5.10-17 Agency Contacts for Socioeconomics	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Table 5.10-17 Agency Contacts for Socioeconomics	Yes	
Appendix B (i) (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.	5.10.7 Permits and Permit Schedule	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Soils**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Sections 5.11-1, 5.11.1-1, 5.11.1.1-5 through 5.11.1.5-6, 5.11.2-8, 5.11.2.1-8 through 5.11.2.7-10, 5.11.3-10, 5.11.4-10, 5.11.5-11, 5.11.5.1-12 through 5.11.5.3-13 Table 5.11-2-13	Yes	
Appendix B (g) (15) (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:	Figures 5.11-1a-3, 5.11-1b-4	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil;	Sections 5.11.1-1, 5.11.1.1-5, 5.11.1.4-6, 5.11.1.5-6, 5.11.1.5.1-6, 5.11.5.2-7, 5.11.1.5.3-8, 5.11.1.5.4-8, 5.11.2.1-8, 5.11.2.4-9, 5.11.2.4.1-9, 5.11.2.4.2-9, 5.11.1.4.2-10, 5.11.4-11, 5.11.5.3-14 Table 5.11-1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Soils**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system;	Sections 5.11.2.5-10, 5.11.2.6-10, 5.11.2.7-10, 5.11.3-10, 5.11.4-10, 5.11.4-11	Yes	
Appendix B (g) (15) (A) (iii)	The location of any proposed fill disposal or fill procurement (borrow) sites; and	Sections 5.11-1, 5.11.4-11	Yes	
Appendix B (g) (15) (A) (iv)	The location of any contaminated soils that could be disturbed by project construction.	Sections 5.11-1, 5.11.1-1, 5.11.1.4-6, 5.11.1.5-6, 5.11.1.5.1-6, 5.11.3-8, 5.11.2.1-8, 5.11.2.2-9, 5.11.2.4-9, 5.11.2.4.1-9, 5.11.2.4.2-10, 5.11.2.5-10, 5.11.2.6-10, 5.11.3-10, 5.11-4-11 Figures 5.11-1a-3, 5.11-1b-4	Yes	

Appendix B (g) (15) (B)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Sections 5.11.2.1, 5.11.3	Yes	
Appendix B (g) (15) (B) (i)	The quantification of accelerated soil loss due to wind and water erosion; and	Section 5.113.2.1	Yes	
Appendix B (g) (15) (B) (ii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Section 5.11.3.5	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Section 5.11.6	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 5.11.7	Yes	

Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.11.7	Yes	
Appendix B (i) (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 5.11.8	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Traffic and Transportation**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Section 5.12.1, 5.12.2, and 5.12.3	Yes	
Appendix B (g) (5) (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 5.12-1 Page 5.12-2 Section 5.12.5 Page 5.12-16	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Traffic and Transportation**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B)	If the proposed project including any linear facility is to be located within four miles of an airport, a planned or proposed airport runway, or an airport runway under construction, discuss the project's compliance with the applicable sections of the current Federal Aviation Regulation Part 77 – Safe, Efficient Use, and Preservation of the Navigable Airspace, specifically any potential to obstruct or impede air navigation generated by the project during construction or operation; such as, a thermal plume, a visible water vapor plume, glare, electrical interference, or surface structure height. The discussion should include:	WRESC site is more than 4 miles from the nearest airport. Depending on final gen-tie alignment and pole locations, up to 4 poles may require FAA notification	Yes	
Appendix B (g) (5) (B) (i)	A map at a scale of 1:24,000 that displays the airport or airstrip runway configuration, the airport influence area including all safety zones, and the proposed power plant site and related facilities.	Appendix 5.6A, Fig 5.6A -8	Yes	
Appendix B (g) (5) (B) (ii)	A thermal plume analysis that describes the plume's velocity;	Not applicable		
Appendix B (g) (5) (B) (iii)	A discussion of the project's conformance with applicable Airport Land Use Compatibility Plan policies; and	Sec. 5.6.2.2.5	Yes	
Appendix B (g) (5) (B) (iv)	Copies of FAA Form 7460-1, Notice of Proposed Construction or Alteration, that were submitted or approved for any project component requiring notice	To be filed if required after final pole locations - see Sec 5.6.2.2.5	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Traffic and Transportation**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (C)	An evaluation of the project’s potential impacts related to vehicle miles traveled (VMT) that may include:	Section 5.12.2 Page 5.12-12	Yes	
Appendix B (g) (5) (C) (i)	The local jurisdiction's threshold of significance	Section 5.12.12.1; Page 5.12-9	Yes	
Appendix B (g) (5) (C) (ii)	Methodologies (such as local VMT Evaluation	Section 5.12.12.1; Page 5.12-9	Yes	
Appendix B (g) (5) (C) (iii)	VMT Heat maps	Not applicable		
Appendix B (g) (5) (C) (iv)	Transportation demand management plans and any documents supporting the project applicant’s CEQA determination.	Section 5.12.2.1 Page 5.12-9	Yes	
Appendix B (g) (5) (D)	An identification, on topographic maps at a scale of 1:24,000, and a description of existing and planned roads, rail lines, (including light rail), bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following, where applicable:	Table 5.12-1 Page 5.12-7	Yes	
Appendix B (g) (5) (C) (i)	Road classification and design capacity;	Not applicable	N/A	
Appendix B (g) (5) (C) (ii)	Current daily average and peak traffic counts;	Not applicable	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Traffic and Transportation**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (C) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	VMT analysis was conducted.		
Appendix B (g) (5) (C) (iv)	Weight and load limitations;	Not applicable	N/A	
Appendix B (g) (5) (C) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Not applicable	N/A	
Appendix B (g) (5) (C) (vi)	An identification of any road features affecting public safety	Not applicable	N/A	
Appendix B (g) (5) (E)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified in (g)(5)(D). Also include anticipated projectspecific 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 (g)(5)(D). Include	Section 5.12.2.2 and Section 5.12.3 Tables 5.12-5 and 5.12-6	Yes	
Appendix B (g) (5) (E) (i)	Estimated one-way trip lengths for workers, deliveries, and truck haul trips generated by the construction of the project.	Table 5.12-2 Page 5.12-10	Yes	
Appendix B (g) (5) (E) (ii)	Description of public roadways and intersections temporarily or permanently altered by construction and operation including the duration of activities	VMT analysis was conducted.		

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Traffic and Transportation**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (F)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 5.12-4 Page 5.12-14	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Section 5.12-5 Page 5.12-15 through 5.12-18	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Section 5.12-6 Table 5.12-8 Page 5.12-18	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Traffic and Transportation**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Not applicable	N/A	
Appendix B (i) (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.	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.	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Page 5.13-18 Section 5.13.4 Section 5.13.5	Yes	
Appendix B (g) (6) (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 aboveground project-related linear facilities. Include:	Page 5.13-5 Section 5.13.2.1	Yes	
Appendix B (g) (6) (A) (i)	Show on a map(s) (pinpoint) any designated or recognized scenic vista and scenic resource within a five-mile radius of the project and one-mile radius of a project-related linear facility. Include:	Page 5.13-2 Figure 5.13-1	Yes	
Appendix B (g) (6) (A) (i) (a.)	Any designated scenic vista and scenic resource in an adopted federal, state, county, or city government planning document, plan, or regulation.	Page 5.13-2 Figure 5.13-1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (A) (i) (b.)	A natural feature or object that is a part of the land, such as a geologic distinguishing characteristic (e.g., laccolith), geomorphologic feature (e.g., gorge), or other terrain feature (e.g., a water body, open space, or tree recognized for its aesthetic, botanical and ecological value, or age, rarity, and size)	Page 5.13-2 Figure 5.13-1	Yes	
Appendix B (g) (6) (A) (i) (c.)	A man-made feature or object that embodies elements of architecture or engineering design, detail, materials or craftsmanship that represent a significant innovation or is unique, such as the California State Capitol, Golden Gate Bridge, or Hollywood Sign.	Page 5.13-2 Figure 5.13-1	Yes	
Appendix B (g) (6) (A) (i) (d.)	Explain does the project eliminate or obstruct the public view (the visible area from a location where the public has a legal and physical right of access to real property) of a scenic vista and scenic resource? Is the project situated so that it changes the visual aspect of a scenic resource by being different or in sharp contrast?	Page 5.13-5 Section 5.13.2.1	Yes	
Appendix B (g) (6) (A) (ii)	Describe the existing nighttime lighting on the project site and in the vicinity.	P.5.13-16 Section 5.13.3.4.2	Yes	
Appendix B (g) (6) (B)	In accordance with CEQA Guidelines Appendix G Environmental Checklist Form, I. Aesthetics c), if the project is to be constructed within an "urbanized area" as defined in Public Resources Code section 21071, explain the project's conformance with the city/county General Plan, and city municipal code or county government code (e.g., zoning) governing scenic quality.	N/A	N/A	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	In accordance with CEQA Guidelines Appendix G Environmental Checklist Form, I. Aesthetics c), if the project is to be constructed within a nonurbanized area provide the following:	Section 5.13.6 Page 5.13-18	Yes	
Appendix B (g) (6) (C) (i)	Show on a map the pinpoint location of the key observation point(s) (KOP) for the project. A KOP is a fixed position in a publicly accessible location where a public view of the project is analyzed and/or evaluated in the landscape. Objects of aesthetic significance are the primary focus in the KOP selection. A California court has said you may look to local government planning thresholds for guidance when defining the visual impact standard for the purpose of CEQA (e.g., city/county General Plan, zoning)	Page 5.13-4 Figure 5.133	Yes	
Appendix B (g) (6) (C) (ii)	If an object of aesthetic significance is not in the vicinity of the project, a KOP is to be selected based on importance to stakeholders, visibility, direct public selection, worst-case scenario, or other reason. Explain the reason the KOP was chosen. At a minimum two KOPs are to be selected.	Page 5.13-7 Section 5.13.3.4.1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C) (iii)	Provide a color photograph(s) showing an actual line of sight at eye level during daytime and clear weather from the KOP to the project site prior to any alteration (existing condition). The photographer at the KOP is to use a "normal" lens. For each photograph provide the following information: camera type, lens focal length, viewing angle; date and time the photograph was taken, and the distance to the project site.	Appendix 5.13A	Yes	
Appendix B (g) (6) (C) (iv)	Using the photograph from the KOP provide a spatially accurate and realistically photo manipulated computer simulated image of the project (photo-realistic simulation) one-year after completion of construction (existing condition plus proposed project).	Appendix 5.13A	Yes	
Appendix B (g) (6) (C) (v)	The KOP photograph and the photo-realistic simulation are to be capable of 11" x 17" color print by a printer capable at a minimum 600 dots per inch output resolution.	Appendix 5.13A	Yes	
Appendix B (g) (6) (C) (vi)	Provide a copy of the KOP photograph(s) and photo-realistic simulation(s) in an electronic file.	N/A (file)	N/A	
Appendix B (g) (6) (D)	Show and describe the project in the landscape. Include:	Section 5.13.3.3.1	Yes	
Appendix B (g) (6) (D) (i)	Provide an 8.5" x 11" sized scaled elevation(s) of project buildings, structures, and major equipment; a table listing their dimensions (height, length, width, diameter).	Section 5.13.3.3.1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET
 Project: _____
 Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (D) (ii)	Provide a table and description of the exterior surface treatments and finishes for the buildings, structures, major equipment (e.g., colors, flat and/or textured finishes), and structural materials.	Page 5.13-12 Table 5.13-3	Yes	
Appendix B (g) (6) (D) (iii)	Describe project specific architectural treatment or design technique mitigation unique to the project's siting at the location (e.g., camouflage, disguise, screen), if any.	Page 5.13-18 Section 5.13.5	Yes	
Appendix B (g) (6) (D) (iv)	Provide a project specific conceptual landscape design plan that conforms with the city municipal code or county government code. Include:	Page 5.13-13 Section 5.13.3.3.4	Yes	
Appendix B (g) (6) (D) (iv) (a.)	Provide the type of plant and/or tree species, location, quantity, size, spacing at installation/planting, expected growth rates, and expected heights at one-year, five years, and maturity. Specify irrigation system components and show their locations.	Page 5.13-13 Section 5.13.3.3.4	Yes	
Appendix B (g) (6) (D) (iv) (b.)	Provide the calculated total pervious surface amount for the project site include surface to be replaced, new surface, and the total area to be landscaped.	Page 5.13-13 Section 5.13.3.3.4	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (D) (v)	Provide a project specific conceptual outdoor lighting control and management plan (lighting plan) and explain the control of reflectance from exterior surfaces offsite that conform with the city municipal code or county government code. Include:	Page 5.13-13 Appendix 5.11 5.13.3.3.3	Yes	
Appendix B (g) (6) (D) (v) (a.)	Provide a list of the project-specific luminaires, identify the design (e.g., full cutoff, semi cutoff, noncut off) and indicate if the luminaires have the International Dark-Sky Association Fixture Seal of Approval to the extent feasible consistent with safety and security considerations. Show the project-specific luminaires locations on a diagram or elevation.	Page 5.13-13 Section 5.13.3.3.3	Yes	
Appendix B (g) (6) (D) (v) (b.)	Describe reflectance, the intensity of the specular reflectance from the exterior surface of the project's large buildings, structures, and major equipment offsite to the surrounding area (e.g., the light reflected from the shiny surface). The reflectance of the object—how bright it shines— depends on the intensity of the light striking it and the materials from which it is made (e.g., glass, reinforced concrete, structural steel).	Page 5.13-13 Section 5.13.3.3.1	Yes	
Appendix B (g) (6) (E)	If the project is to use a cooling tower emitting a publicly visible water vapor plume (visible plume) in the atmosphere provide the following information:	Page 5.13B-1 Appendix 5.13B	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (E) (i)	Provide the cooling tower's number of fan cells, the fan cell stack height and diameter, the exhaust mass flow rate, heat rejection rate, and exhaust temperature.	Page 5.13B-1 Appendix 5.13B	Yes	
Appendix B (g) (6) (E) (ii)	Provide fogging curves specific to the cooling tower's exhaust discharge for at least three ambient air temperature conditions (a low, average, and high temperature condition).	Page 5.13B-1 Appendix 5.13B	Yes	
Appendix B (g) (6) (E) (iii)	Explain if the project's forecasted visible plume emitted in the atmosphere by the cooling tower would eliminate or obstruct an existing public view of a designate or recognized scenic vista, scenic resource, and the existing visual character or quality of public views of the site and its surroundings.	Page 5.13B-1 Appendix 5.13B	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Page 5.13-20 Section 5.13.8	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Visual Resources**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (B)	Tables that identify 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.	Page 5.13-20 Section 5.13.8	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Page 5.13-20 Section 5.13.8	Yes	
Appendix B (i) (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.	Page 5.13-20 Section 5.13.8	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Waste Management**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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	Sections 5.14.1-1, 5.14.1.2-1, 5.14.1.2.1-1, 5.14.1.2.2-6, 5.14.2-8, 5.14.2.1-8, 5.14.2.2-9, 5.14.2.3-9, 5.14.2.3.1-9, 5.14.2.3.2-11, 5.14.2.4-11, 5.14.3-11, 5.14.4-12, 5.14.4.1-12, 5.14.4.1.1-12, 5.14.4.1.1-13, 5.14.4.2-13, 5.14.4.2.1-13, 5.14.4.2.2-14, 5.14.4.3-15, 5.14.4.3.1-15, 5.14.4.3.2-15, 5.14.4.3.3-16 Tables 5.14-1-3, 5.14-2-6, 5.14-3-10, 5.14-4-10	Yes	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sections 5.14.4.3-15, 5.14.4.3.1-15, and 5.14.4.3.2-15	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Waste Management**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Sections 5.14.1.1-1, 5.14.3-11 5.14.4-12, 5.14.1.1-12, 5.14.4.1.1-12, 5.14.4.3.3-16, 5.14.5.1-17, 5.14.5.2-18, 5.14.5.3-18, 5.14.5.3.1-18, 5.14.5.3.2-19, 5.14.5.4-19	Yes	
Appendix B (g) (12) (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 Commission 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.	Section 5.14.1.1-1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Waste Management**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sections 5.14.1.2-1, 5.14.1.2.1-1, 5.14.1.2.2 Tables 5.14-1-3, 5.14-2-6	Yes	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under California Code of Regulations, title 23, section 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 5.14.2.3-9, 5.14.2.3.1-9, 5.14.2.3.2-11, 5.14.2.4-11 Tables 5.14-3-10, 5.14-4-10	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Section 5.14.4-12, 5.14.4.1-12, 5.14.4.1.1-12, 5.14.4.1.2-13, 5.14.4.2-13, 5.14.4.2.1-13, 5.14.4.2.2-14	Yes	
Appendix B (h) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Sections 5.14.4-12, 5.14.5.3.1-18, 5.14.5.3.2-19	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Waste Management**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Sections 5.14.2-8, 5.14.2.3-9, 5.14.2.3.1-9, 5.14.2.3.2-11, 5.14.2.4-11, 5.14.4-12 Tables 5.14-3-10, 5.14-4-10	Yes	
Appendix B (i) (1) (A)	Tables that identify 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; and	Table 5.14-5-16	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Table 5.14-5-16	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Waste Management**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.14.6-19 Table 5.14-6-19	Yes	
Appendix B (i) (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 5.14.7-19	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	5.15.3	Yes	NA based on current understating of project and proposed projects in the area
Appendix B (g) (14) (A)	All the information required to apply for the following permits, if applicable, including:	See below	Yes	
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; National Pollutant Discharge Elimination System Permit; and/or a Section 401 Certification or Waiver from the appropriate Regional Water Quality Control Board (RWQCB);	5.15.5.2, 5.15.5.3	Yes	
Appendix B (g) (14) (A) (ii)	Construction and Industrial Waste Discharge or Industrial Pretreatment permits from wastewater treatment agencies;	5.15.5.2	Yes	
Appendix B (g) (14) (A) (iii)	Nationwide Permits and/or Section 404 Permits from the U.S. Army Corps of Engineers; and	NA	NA	NA
Appendix B (g) (14) (A) (iv)	Underground Injection Control Permit(s) from the U.S. Environmental Protection Agency, California Division of Oil and Gas, and RWQCB.	5.15.5.1	Yes	
Appendix B (g) (14) (B)	A detailed description of the hydrologic setting of the project. The information shall include a narrative discussion and on maps at a scale of 1:24,000 (or appropriate scale approved by	5.15.1.1. and 5.15.1.2	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	staff), describing the chemical and physical characteristics of the following nearby water bodies that may be affected by the proposed project:			
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	5.15.1.2	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies;	5.15.1.1	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones;	5.15.1.4	Yes	
Appendix B (g) (14) (B) (iv)	Flood control facilities (existing and proposed); and	5.15.1.4, 5.15.2.3	Yes	
Appendix B (g) (14) (B) (v)	Groundwater wells within ½ mile if the project will include pumping.	5.15.1.2.1	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	See below		
Appendix B (g) (14) (C) (i)	Source(s) of the primary and back-up water supplies and the rationale for their selection;	5.15.1.5	Yes	
Appendix B (g) (14) (C) (ii)	The expected physical and chemical characteristics of the source and discharge water(s) including identification of both organic and inorganic constituents before and after any project-related treatment. For source waters with seasonal variation, provide seasonal ranges of the expected physical and chemical characteristics. Provide copies of background material used to create this description (that is, laboratory analysis);	5.15.1.5, 5.15.1.5.4, 5.15.1.7	Yes	
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project;	5.15.1.5.1	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (iv)	A detailed description of all facilities to be used in water conveyance (from primary source to the power plant site), water treatment, and wastewater discharge. Include a water mass balance diagram;	5.15.1.5.1, 5.15.1.5.2, 5.15.1.5.3, 5.15.1.5.5	Yes	
Appendix B (g) (14) (C) (v)	For all water supplies intended for industrial uses to be provided from public or private water purveyors, a letter of intent or will-serve letter indicating that the purveyor is willing to serve the project, has adequate supplies available for the life of the project, and any conditions or restrictions under which water will be provided. If 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;	5.15.1.5	Yes	
Appendix B (g) (14) (C) (vi)	For all water supplied which necessitates transfers and/or exchanges at any point, identify all parties and contracts/agreements involved, the primary source for the transfer and/or exchange water (that is, surface water, groundwater), and provide the status of all appropriate agencies' approvals for the proposed use, environmental impact analysis on the specific transfers 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);	NA	NA	NA
Appendix B (g) (14) (C) (vii)	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	Appendix 2D	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	water conservation measures on the diagram and the amount that they reduce water demand; and			
Appendix B (g) (14) (C) (viii)	<p>For all projects which have a discharge, provide a copy of the will-serve letter, permit or contract with the public or private entity that will be accepting the wastewater and contact storm water from the project. The letter, permit or contract, if possible, shall identify the discharge volumes and the chemical or physical characteristics under which the wastewater and contact storm water will be accepted.</p> <p>In the event that a will-serve letter, permit, or contract cannot be provided, identify the most likely wastewater/storm water entity and discuss why the applicant was unable to secure the necessary assurances to serve the project's wastewater/storm water needs. Also, discuss the term of the wastewater service to the project, whether the wastewater entity has adequate permit capacity for the volume of wastewater from the project and has adequate permit levels for the chemical/physical characteristics of the project's wastewater and storm water for the life of the project, and any issues or conditions/restrictions the wastewater entity may impose on the project.</p>	Zero discharge	Yes	
Appendix B (g) (14) (D)	Identify all project elements associated with stormwater drainage, including a description of the following:	See below		
Appendix B (g) (14) (D) (i)	Monthly and seasonal precipitation and stormwater runoff and drainage patterns for the	Appendix 15.5.B	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	proposed site and surrounding area that may be affected by the project's construction and operation;			
Appendix B (g) (14) (D) (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;	Appendix 15.5.B	Yes	
Appendix B (g) (14) (D) (iii)	All assumptions and calculations used to calculate runoff and to estimate changes in flow rates between pre- and post-construction; and	Appendix 15.5.B, Appendix 2D	Yes	
Appendix B (g) (14) (D) (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.	5.15.1.8, 5.15.2.3, 5.15.5.2.3, 5.15.5.2.4, Appendix 15.5B	Yes	
Appendix B (g) (14) (E)	An impacts analysis of the proposed project on water resources and a discussion of conformance with water-related LORS and policy. This discussion shall include:	5.15.1.5, 5.15.3, 5.15.5	Yes	
Appendix B (g) (14) (E) (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;	5.15.1.3, 5.15.1.5.4	Yes	
Appendix B (g) (14) (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	NA	NA	NA

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	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;			
Appendix B (g) (14) (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;	5.15.2.3	Yes	
Appendix B (g) (14) (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;"	Zero discharge	Yes	
Appendix B (g) (14) (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;"	5.15.1.3, 5.15.1.5.4	Yes	
Appendix B (g) (14) (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; and	5.15.1.4, 5.15.1.18, 5.15.5.2.4, Appendix 5.15B	Yes	

Adequacy Issue: Adequate _____ Inadequate _____ **DATA ADEQUACY WORKSHEET**
 Technical Area: Water Resources Project: _____
 Project Manager: _____ Docket: _____

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (vii)	All assumptions, evidence, references, and calculations used in the analysis to assess these effects.			
Appendix B (i) (1) (A)	Tables that identify 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; and	Table 5.15.3	Yes	
Appendix B (i) (1) (B)	Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.	Table 5.15.3	Yes	
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Table 5.15.4	Yes	
Appendix B (i) (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.	Table 5.15.4	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Wildfire**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (19)	...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.	5.16.1, 5.16.2, 5.16.3	Yes	
Appendix B (g) (19) (A)	A map showing State Responsibility Areas (SRA) relative to the proposed project.	5.16.7	Yes	
Appendix B (g) (19) (B)	A map showing state Fire Hazard Severity Zones relative to the proposed project.	5.16.7	Yes	
Appendix B (g) (19) (A)	If the project would be in the vicinity of an SRA or a Very High Fire Hazard Severity Zone, provide:	Not applicable	N/A	
Appendix B (g) (19) (A)	Local emergency response or evacuation plans and a description of how the proposed project could influence their effectiveness	5.16.1.5	Yes	
Appendix B (g) (19) (A)	A discussion of how potential project pollutants could be contained onsite during a wildfire event.	5.16.1.6	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Wildfire**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (19) (A)	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.	5.161.7	Yes	
Appendix B (g) (19) (A)	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.	5.16.1.8	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Worker Safety**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (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. 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.	Section 5.17.1-1	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs that will be required for construction and operation personnel.	Sections 5.17.2-1, 5.17.2.1-1, 5.17.2.2-1, 5.17.2.3-7, 5.17.2.3.1-7, 5.17.2.3.1-13, 5.17.2.3.3-18, 5.17.2.4-21 Tables 5.17-1-2, 5.17-2-5, 5.17-3-19, 5.17-4-20	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 5.17.2.4-21 Table 5.17-7-22	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 5.17.2.3-7	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Worker Safety**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	Construction Health and Safety Program: <ul style="list-style-type: none"> • Injury and Illness Prevention Plan (8 Cal. Code Regs., section 1509); 	Section 5.17.2.3.1-7 Table 5.17-3-19	Yes	
	<ul style="list-style-type: none"> • Fire Protection and Prevention Plan (8 Cal. Code Regs., section 1920); 	Section 5.17.2.3.1-7 Table 5.17-3-19	Yes	
	<ul style="list-style-type: none"> • Personal Protective Equipment Program (8 Cal. Code Regs., sections 1514-1522) 	Table 5.17.2.3.1-7 Table 5.17-3-19	Yes	
	Operation Health and Safety Program:	Section 5.17.2.3.2-13	Yes	
	<ul style="list-style-type: none"> • Injury and Illness Prevention Program (8 Cal. Code Regs., section 3203); 	Section 5.17.2.3.2-13 Table 5.17-4-20	Yes	
	<ul style="list-style-type: none"> • Fire Prevention Plan (8 Cal. Code Regs., section 3221); 	Section 5.17.2.3.2-13 Table 5.17-4-20	Yes	
	<ul style="list-style-type: none"> • Emergency Action Plan (8 Cal. Code Regs., section 3220); 	Sections 5.17.2.2-1, 5.17.2.3.2-14 Table 5.17-4-20	Yes	
	<ul style="list-style-type: none"> • Personal Protective Equipment Program (8 Cal. Code Regs., sections 3401-3411). 	Section 5.17.2.3.2-14 Table 5.17-4-20	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Worker Safety**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (A)	<p>Tables that identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, leases, and permits applicable to the proposed project, and</p> <p>a discussion of the applicability of, and conformance with each. The table or matrix</p> <p>shall explicitly reference pages in the</p> <ul style="list-style-type: none"> • application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; and 	Table 5.17-7-22	Yes	
Appendix B (i) (1) (B)	<p>Tables that identify 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 that would have permit approval or enforcement authority, but for the exclusive authority of the Commission to certify sites and related facilities.</p>	Table 5.17-9-29	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Worker Safety**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2)	The name, title, phone number, address (required), and email address (if known), of an official who was contacted within each agency, and provide the name of the official who will serve as a contact person for Commission staff.	Section 5.17.4-28 Table 5.17-8-28	Yes	
Appendix B (i) (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 5.17.5-29 Table 5.17-9-29	Yes	

Adequacy Issue: Adequate _____ Inadequate _____
 Technical Area: **Alternatives**
 Project Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. _____ Date: _____
 Technical Staff: _____
 Technical Senior: _____

Project: _____
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (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 6.3	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Section 6.2 - no project alternative Section 6.4 - alternative design features Section 6.5 - alternative technologies	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in (f)(1).	Sections 6.3, 6.4 and 6.5	Yes	