

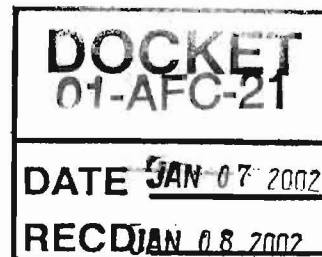
Memorandum

Date : January 7, 2002

Telephone: (916) 654-4996

File: Tesla Power Project - 01-AFC-21

To : William J. Keese, Chairman
Michal C. Moore, Ph.D
Robert A. Laurie
Robert Pernell
Arthur H. Rosenfeld, Ph.D



From : California Energy Commission -
1516 Ninth Street
Sacramento, CA 95814-5512

Subject : **DATA ADEQUACY RECOMMENDATION (2) FOR THE TESLA POWER PROJECT (01-AFC-21)**

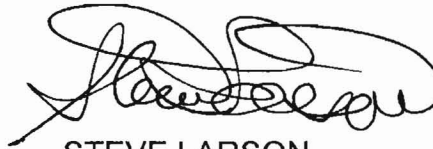
Staff has completed its data adequacy review of the Tesla Power Project Application for Certification (AFC) submitted on October 12, 2001 and the supplemental information filed on January 2 and 4, 2002. At the Energy Commission's business meeting on November 14, 2001, the Energy Commission found the Tesla AFC incomplete and adopted the list of deficiencies identified in the Data Adequacy review document. Staff now believes that the AFC contains all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B (12-month process). Attached is an overview table showing the status of each technical section previously found to be inadequate, including the data adequacy worksheets for each sections.

The applicant has requested a six-month review of this project. Staff believes, that the information provided in the AFC and subsequent filings does not meet the criteria set forth under the 6-month review process. These informational needs include: 1) Air Quality; (final offset package is incomplete), 2) Biological Resources (applicants Biological Assessment has not been accepted by USFWS and Section 7 has not been started), 3) Land Use; (Williamson Act Contract dealing with preserving farmland and Alameda county Measure D requiring the preservation of open lands enacted by voters in November 2000), 4) Water Quality; (drafting of contracts with several water districts to facilitate the transfer of 5,100 acre feet of water in Kern County and concern regarding the availability of water from this source).

At the Energy Commission's business meeting on January 9, 2002, staff will recommend that the Energy Commission find the AFC complete for the 12- month process and request that a committee be appointed to the project.

If you have any questions, please call Jack Caswell, staff's Project Manager, at (916) 653-0062.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Larson", with a stylized, looping flourish at the end.

STEVE LARSON
Executive Director

TPP:JC:jc

**OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY
TESLA POWER PROJECT
01-AFC-21**

Technical Area	Data Adequacy			
	<i>12-Mo.</i>	Page No.	<i>6-Mo.</i>	Page No.
Air Quality	Yes		No	
Biological Resources	Yes		No	
Cultural Resources	Yes		Yes	
Land Use	Yes		No	
Noise	Yes		Yes	
Paleontological Resources	Yes		Yes	
Project Overview	Yes		Yes	
Socioeconomics	Yes		N/A	
Soil Resources	No		Yes	
Traffic and Transportation	Yes		Yes	
Transmission System Eng.	Yes		Yes	
Visual Resources	Yes		Yes	
Water Resources	Yes		No	

**ENERGY COMMISSION STAFF'S
Data Adequacy Worksheets**

Tesla Power Plant
01-AFC-21
January 7, 2002

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 01-04-02

Technical Area: **Air Quality**

Project: Tesla Power Plant Project

Technical Staff: Birdsell/Walters

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Keith Golden

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.	§5.2.2 pp 5.2-11 to 24 §§5.2.4.5 to 5.2.4.8, pp 5.2-53 to 73 §5.2.3.4 pp 5.4-34 to 35 §5.2.5 p 5.2-73 §3.4.9 pp 3-41 to 43	No Yes	Discuss the measures proposed to mitigate the NO₂ impact (violation of 1-hour state standard) during construction. Information (AQ-1) provided in 12/7 submittal is adequate for this issue. A discussion of the effectiveness of the proposed mitigation measures of paving roads in the Bay Area for PM ₁₀ offsets to the potential impacts of combustion particulates from the gas turbines in the San Joaquin Valley. The discussion should relate the proposed offset strategy in the context of the PM ₁₀ management needs of the San Joaquin Valley as opposed to the Bay Area air basin. More severe PM ₁₀ problems in the San Joaquin Valley require may more intense mitigation. Information (AQ-2) provided in 12/14 submittal is adequate for this issue.
Appendix A (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance	n/a	No Yes	The BAAQMD has filed a letter of incompleteness with the CEC dockets unit on Nov. 1, 2001. As of Dec. 6, the BAAQMD is reviewing the applicant's recent information and expects to make a determination of completeness before Dec. 14. BAAQMD letter filed with the CEC dockets unit dated 12/20/01 is adequate for this issue.
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.	§3.4.5 p 3-26 Table 3.4-8 §5.2.4.4 pp 5.2-51 to 52, Table 5.2-28 §1.6 p 1-3 Appendix K-4	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	§1.8.2 p 1-4 §3.4.9 pp 3-41 and 47 §5.2.3 pp 5.2-24 to 35	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 01-04-02

Technical Area: Air QualityProject: Tesla Power Plant ProjectTechnical Staff: Birdsall/WaltersProject Manager: Jack CaswellDocket: 01-AFC-21Technical Senior: Keith Golden

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) (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.	§3.4.3.4 p 3-21 §5.2.4.2 p5.2-43, Table 5.2-24	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	§5.2.4.2 pp 5.2-39 to 44, Tables 5.2-19 to 26 Appendix K-4	No Yes	An estimate of criteria air contaminant emissions from secondary sources (e.g., ammonia delivery, zero liquid discharge solids removal, and employee vehicles). Information (AQ-4) provided in 12/7 submittal is adequate for this issue.
Appendix B (g) (8) (F)	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.	§5.2.4.2 pp 5.2-39 to 41, Tables 5.2-19 to 21	No Yes	An estimate of criteria air contaminant emissions during shutdown mode. Information (AQ-5) provided in 12/7 submittal is adequate for this issue.
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.	§5.2.2.2 pp 5.2-21 to 24, Tables 5.2-7 to 11	Yes	
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.	Electronic Submittal on CD-R. Appendix K-1	No Yes	Provide documentation from the BAAQMD that either the Station 442 data and/or the Tracy meteorological data set is acceptable to that agency. BAAQMD e-mail filed with CEC dockets unit dated 12/17/01 is adequate for this issue.
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.	Appendix K-2 Appendix K-1 Electronic Submittal on CD-R.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 01-04-02

Technical Area: Air QualityProject: Tesla Power Plant ProjectTechnical Staff: Birdsall/WaltersProject Manager: Jack CaswellDocket: 01-AFC-21Technical Senior: Keith Golden

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)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			
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 inert 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 monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Appendix K-3 §5.2.4.1 pp 5.2-35 to 39, Tables 5.2-18a to 18b Appendix K-7 §5.2.4.4 pp 5.2-49 to 51 §5.2.4.5 pp 5.2-53 to 54, Table 5.2-29 Electronic Submittal on CD-R.	Yes	Updated modeling (11/29) addresses this issue.
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 inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Appendix K-4 §5.2.4.2 pp 5.2-39 to 44, Tables 5.2-23 to 25 Appendix K-8 §5.2.4.4 pp 5.2-51 to 53 §5.2.4.5 pp 5.2-54 to 65, Table 5.2-29 Electronic Submittal on CD-R.	Yes	Updated modeling (11/29) addresses this issue.
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 six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	§5.2.4.4 pp 5.2-52 to 53 §5.2.4.8 pp 5.2-72 to 73, Appendix K-11	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			

Adequacy Issue: Adequate ☒ Inadequate ☐**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 01-04-02

Technical Area: Air QualityProject: Tesla Power Plant ProjectTechnical Staff: Birdsall/WaltersProject Manager: Jack CaswellDocket: 01-AFC-21Technical Senior: Keith Golden

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 needed;	§5.2.5 p 5.2-73	Yes	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	§5.2.5 p 5.2-73 Confidential Filing as of 10/12. Confidential Filing of 11/21.	No Yes	Description of location of offset sources. Confidential filing of 11/21 is adequate.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	§5.2.5 p 5.2-73 Confidential Filing as of 10/12. Confidential Filing of 11/21.	No Yes	Description of method of emission reduction that would occur at the offset sources. Confidential filing of 11/21 is adequate.
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	§5.15.1, Figures 5.15-1a to 1b	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	§5.2.6 pp 5.2-74 to 75, Table 5.2-37 §5.2.1 pp 5.2-2 to 12, Table 5.2-5	No Yes	Identify local regulations adopted by the San Joaquin Valley Air Pollution Control District (e.g., Rule 8020) that may be applicable to natural gas supply line construction activities in San Joaquin County. Information (AQ-9) provided in 12/7 submittal is adequate for this issue.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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.	§5.2.6 pp 5.2-74 to 75, Table 5.2-37	No Yes	Identify each agency that would have permitting or enforcement authority of emissions caused by natural gas supply line construction activities in San Joaquin County. Information (AQ-10) provided in 12/7 submittal is adequate for this issue.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§5.2.6 pp 5.2-74 to 75, Table 5.2-37	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	§5.2.8 p 5.2-76	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 01-04-02

Technical Area: Air Quality

Project: Tesla Power Plant Project

Technical Staff: Birdsall/Walters

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Keith Golden

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)	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.	§5.2.7 p 5.2-76	No Yes	Identify each agency that would have permitting or enforcement authority of emissions caused by natural gas supply line construction activities in San Joaquin County. Information (AQ-11) provided in 12/7 submittal is adequate for this issue.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 1 Date 12-13-01

Technical Area: **Air Quality**
Project Manager: Jack Caswell

Project: Tesla Power Plant Project
Docket: 01-AFC-21

Technical Staff: Birdsall/Walters
Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	§5.2.1 pp 5.2-2 to 12, Table 5.2-5	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	§5.2.1 pp 5.2-2 to 12, Table 5.2-5 §5.2.6 pp 5.2-74 to 75, Table 5.2-37 §6.1 pp 6-7 to 8 Table 6.1-1 Confidential Filing of 11/21.	No	As of the confidential filing of 11/21, a substantial portion of the offsets needed for NO _x , PM ₁₀ and SO _x are still under negotiation. Substantial evidence that the project will comply with offset requirements must be provided, including but not limited to evidence of banked credits or letters of intent to own credits that are still under negotiation. Offsets that are under negotiation do not qualify as substantial evidence of compliance.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No Yes	Provide information whether the proposed project will comply with the changing BAAQMD Regulation 9, Rule 8 regarding stationary internal combustion engines. Information (AQ-12) provided in 12/7 submittal is adequate for this issue.
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	§5.2.6 pp 5.2-74 to 75, Table 5.2-37 §6.1 pp 6-7 to 8 Table 6.1-1	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 1 Date 12-13-01

Technical Area: **Air Quality**
 Project Manager: Jack Caswell

Project: Tesla Power Plant Project
 Docket: 01-AFC-21

Technical Staff: Birdsall/Walters
 Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NO _x , SO ₂ , CO, and PM ₁₀) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	§5.2.4.8 pp 5.2-72 to 73, Table 5.2-36 Appendix K-11 Electronic Submittal on CD-R.	Yes	Updated modeling (11/29) addresses this issue.
§2022(b)(2)(B) (Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO ₂ , SO ₂ , CO, and PM ₁₀ ;	§5.2.4.3 pp 5.2-45 to 46 §5.2.4.7 p 5.2-71 Appendix K-10 Electronic Submittal on CD-R.	No Yes	Description of emissions and impacts of SO₂ and PM₁₀ during commissioning and dispersion modeling files. Description of the monitoring techniques to be used during commissioning. Updated modeling (11/29) addresses this issue. Information (AQ-13) provided in 12/7 submittal is adequate for this issue.
§2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all 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;	§1.8.2 p 1-4 §5.2.3.4 pp 5.2-34 to 35 §5.2.5 p 5.2-73 Confidential Filing as of 10/12. Confidential Filing of 11/21.	No Yes	Detailed description of the measures proposed to mitigate the NO₂ impact (violation of 1-hour state standard) during construction. Information (AQ-14) provided in 12/7 submittal is adequate for this issue.
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	§5.15.3 pp 5.15-6 to 14 Appendix K-12 and K-13 Confidential Filing of 11/21.	No Yes	Please provide complete information on all offsets required for PM₁₀, to include construction. Please show mitigation measures to address all air impacts to include PM-10. Updated modeling (11/29) addresses this issue. Information (AQ-15) provided in 12/7 submittal is adequate for this issue.

Adequacy Issue: Adequate ☒ Inadequate ☒

Technical Area: **Biological Resources**

Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET

Project: Tesla Power Project

Docket: 01-AFC-21

Revision No. 1 Date 10/25/01

Technical Staff: Andrea Erichsen

Technical Senior: Jim Brownell

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 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.	Existing Conditions: Section 5.3.4, p. 5.3-25; Section 5.3.5, p. 5.2-34; Section 5.3.6, p. 5.3-41; Section 5.3.7, p. 5.3-43; Section 5.3.8, p. 5.3-43. Indirect Impacts: 5.3-40. Direct Impacts: 5.3-38 to 40 Mitigation: 5.3-41 to 43 Monitoring: 5.3-42 to 43 Supplemental information	No Yes	BIOL-1 The answer provided was inadequate in detail. Staff understands that a new pumping station will be constructed to withdraw water out of the California Aqueduct. Thus staff requires a more thorough discussion of potential impacts of water use by Tesla on Delta Fish. Please obtain a consultation with the National Marine Fisheries Service (NMFS) on impacts to endangered and threatened fish species of the Delta. A letter from the NMFS should be provided.
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Section 5.3.1, p. 5.3-1 through 5.3-6; Figure 5.3-2, p. 5.3-2	Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Figure 5.3-3, p. 5.3-28; Section 5.3.4, p. 5.3-25 to 5.3-34; Tables 5.3-3, 5.3-4 and 5.3-5, Figure 5.3.2, p. 5.3-27; Figure 5.3-28 Appendix J; section J-1, pages 4-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Biological Resources**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET
 Project: Tesla Power Project
 Docket: 01-AFC-21

Revision No. 1 Date 10/25/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Jim Brownell

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)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Methods: Section 5.3.3, p. 5.3-8; Appendix J-1 CNDDDB forms J-3 Natural Community Field Survey Forms: J-4 Resumes: J-2 Supplemental information	No Yes	BIOL-2 Staff is confused by the applicant's response regarding the missing survey information. How long is the presently unsurveyed segment? Is it 1,250 feet (the answer also mentions a 6,000 foot unsurveyed section)? The data for all unsurveyed sections needs to be submitted with a full analysis. The unsurveyed portion of the pipeline needs to be clearly marked on a map (i.e. Figure 5.3-3). The information provided in the data response was not thorough enough and did not contain references, nor did it contain the requested schedule. The new information on the burrowing owl was confusing (newly added to Figure 5.3-3). When were the data collected and how? Please provide a full report on this information with detailed methodology and analysis of impacts.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts of from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Habitat Loss: Section 5.3.5, p. 5.3-34 to 5.3-40. Table 5.3-6 on page 5.3-35 Habitat Loss. Table 5.3-7 on page 5.3-39 Impacts to Special Status Species Indirect Impacts: 5.3-40 Direct Impacts: 5.3-38 to 40 Mitigation: 5.3-41 to 43 Cumulative Impacts: pages 5.3-43 to 5.3-47; Table 5.3-8 on page 5.3-45 Supplemental information	No Yes	BIOL-3 The answer provided was lacking in detail and depth. Same request as above for BIOL-1. BIOL-4 Please provide more quantitative, spatial, and substantive analysis of the levels of construction and operation noise, with particular emphasis on impacts to burrowing owl, kit fox, and reptiles and amphibians. What specific measures will Tesla implement in order to avoid and minimize mitigate for noise impacts to wildlife? Where did the numbers come from in the response regarding noise levels? Please provide a citation(s) (from AFC or elsewhere). Compare values and estimation of impacts to those available in the scientific literature.

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Biological Resources**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET
 Project: Tesla Power Project
 Docket: 01-AFC-21

Revision No. 1 Date 10/25/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Jim Brownell

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) (E)	A discussion of the following;			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Section 5.3.6, p. 5.3-41 to 43	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Section 5.3.6, p. 5.3-41 to 5.3-43	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources	Section 5.3.6, p. 5.3-42	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs to ensure the effectiveness of mitigation measures incorporated into the project.	Section 5.3.6, p. 5.3-41. Compliance with Biological LORS: Page 5.3-48	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Supplemental information	No Yes	According to the AFC, Section 5.3.4.3, p. 5.3-31 is supposed to contain this information. Staff does not accept the response provided as adequate. What are the specific commercial/recreational bird species that may be impacted? The information provided does not constitute an analysis and does not enable one to conclude that commercial and recreational species will not be impacted. Please provide a discussion and analysis of impacts to fish and wildlife species of commercial or recreational value.
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Biological Resources**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET
 Project: Tesla Power Project
 Docket: 01-AFC-21

Revision No. 1 Date 10/25/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Jim Brownell

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) (H) (i)	Species listed under state or federal Endangered Species Acts;	Table 5.3-2; Table 5.3-7; Table 5.3-9; Section 5.3.3.4, p. 5.3-9; Section 5.3.4.3, p. 5.3-31; Section 5.3.5.2, p. 5.3-38; Appendix J-3	No Yes	Fish are not discussed. Request is covered in earlier comments.
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Section 5.3.3.4, p. 5.3-9; Section 5.3.4.3, p. 5.3-31; Section 5.3.5.2, p. 5.3-38	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Section 5.3.3.4, p. 5.3-9; Section 5.3.4.3, p. 5.3-31; Section 5.3.5.2, p. 5.3-38; Section 5.3.1, p. 5.3-1 to 5.3-5	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Table 6-1, p. 6-2; Section 5.3.9, p. 5.3-46 to 5.3-49; Table 5.3-10	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 6-1, p. 6-2; Table 5.3-9, p. 5.3-48	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Biological Resources**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET

Project: Tesla Power Project
 Docket: 01-AFC-21

Revision No. 1 Date 10/25/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with requirements listed in subsection (h)(1)(A).	Table 6-1 (right column), p. 6-2	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.3.9, p. 5.3-48	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and steps the applicant has taken or plans to take to obtain such permits.	Table 5.3-10, p. 5.3-49; Section 5.3.11, p. 5.3-49	Yes	

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No.

Date 10/25/01

(Six Month Expedited Process)

Technical Area: **Biological Resources**

Project: Tesla Power Project

Technical Staff: Andrea Erichsen

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 6.1 pages 6-9 Table 6.1-1	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 6.1 ;Table 6.1-1	No	Please provide a consultation letter with USF&WS or a complete biological opinion report The applicant has only supplied a letter of intent to the Bay Area Air Quality Management District, indicating that the consultation has not begun. Thus, the project is not at the stage adequate for proceeding within the 6-month process. The applicant has also not provided the Biological Assessment required to initiate the Section 7 consultation with the USFWS. The Biological Assessment must also be reviewed by USFWS and the Bay Area Air Quality Management District before it is accepted and consultation begins. Please provide evidence that the biological assessment through the Section 7 process has been submitted and accepted by the USF&WS as complete. Additional requirement see DA 2022(b)(1)(B) (ALL)
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	None identified		

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No.

Date 10/25/01

(Six Month Expedited Process)

Technical Area: **Biological Resources**

Project: Tesla Power Project

Technical Staff: Andrea Erichsen

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 5.3.9; page 5.3-46; Section 5.3.11; Table 5.3-10 Page 5.3-49	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);		NA	
§2022(b)(2)(F) (Biology)	A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527;	Section 5.3.5 page 5.3-34; Section 5.3.6, pages 5.3-41; Section 5.3.8, pages 5.3-43; Appendix J (all)	No	Please provide evidence that the biological assessment through the Section 7 process has been submitted and accepted by the USF&WS as complete. Additional requirement see DA 2022(b)(1)(B) (ALL)

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 42 Date 12/4/3012/01

Technical Area: Cultural Resources

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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.	AFC Section 3.0 and Section 5.16.1, 5.16.3, and 5.16.2	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	Sections 5.16.1.1 and 5.16.1.2 Figure 5.16-1	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	Section 5.16.1.3 and 5.16.1.4	No Yes	Please provide the results of a cultural resources survey of the project area and linears conducted by an architectural historian or an historian with a background in industrial or architectural history. Identify and include descriptions of historic cultural resources (buildings, structures, objects, sites, and districts) adjacent to the project site and linears (within 1/2 mile that appear to be 45 or more years old). Please provide the qualifications of the individuals conducting the architectural surveys. Please provide cultural resource surveys for all ancillary areas (pull sites, laydown areas, access roads) outside the previously surveyed area along the transmission lines and the substation.

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 42 Date 12/30/12/01

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section 5.16.1.3 and 5.16.1.4 Appendix L-3 (Confidential)	No Yes	Please provide DPR Forms 523A, 523B, and 523J for the Tesla Substation, the Tesla-Ravenswood transmission line, the Tesla-Newark transmission line, and the Southern Pacific Railroad. Please provide DPR Forms 523A for all other transmission lines within ½ mile of the project area, for the section of the California Aqueduct and the Delta-Mendota Canal. Please provide the technical report for the testing and evaluation of Site A (ARMR format).
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Section 5.16.1.4 Appendix L-3 (Confidential)	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	Section 5.16.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Table 5.16-1 and Table 6.1-1	No Yes	The AFC indicates that water will be taken from the California Aqueduct and there will be boring under I-580, the California Aqueduct or the Delta-Mendota Canal. Please indicate if a permit from a state or federal agency is needed to take water from the California Aqueduct or bore under I-580, the California Aqueduct or the Delta-Mendota Canal. Please provide local LORS (see Volume I: Goals, Policies and Programs of the East County Area Plan of the Alameda County General Plan).

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 42 Date 12/4/3012/01

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinhoehl

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 5.16-1	No Yes	Please indicate if a permit from a state or federal agency is needed to bore under I-580, the California Aqueduct or the Delta-Mendota Canal, or to connect to the Delta-Mendota Canal. If a permit is needed from a federal agency to bore under I-580 to connect to the Delta-Mendota Canal, please specify which agency and the applicable federal laws.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.16.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.16-2	No Yes	If a permit is needed from a state or federal agency to bore under I-580, the California Aqueduct or the Delta-Mendota Canal, or to connect to the Delta-Mendota Canal, please provide the name, title, phone number, and address of the agency's contact.
Appendix B (h) (4)	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 5.16.6	No Yes	If a permit is needed from a state or federal agency to bore under I-580, the California Aqueduct or the Delta-Mendota Canal, or to connect to the Delta-Mendota Canal, please provide the schedule to acquire the permit.

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 142/130/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 5.16-1 and Table 6.1-1	No Yes	The AFC indicates that water will be taken from the California Aqueduct and there will be boring under I-580, the California Aqueduct or the Delta-Mendota Canal. Please indicate if a permit from a state or federal agency is needed to take water from the California Aqueduct or bore under I-580, the California Aqueduct or the Delta-Mendota Canal. Please provide local LORS (see Volume I: Goals, Policies and Programs of the East County Area Plan of the Alameda County General Plan).
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.16.5	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A		

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 11/2/13/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 5.16-1	No Yes	Please indicate if a permit from a state or federal agency is needed to bore under I-580, the California Aqueduct or the Delta-Mendota Canal, or to connect to the Delta-Mendota Canal. If a permit is needed from a federal agency to bore under I-580 to connect to the Delta-Mendota Canal, please specify which agency and the applicable federal laws
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	N/A		

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 142/130/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO ₂ , SO ₂ , CO, and PM ₁₀ ;	N/A		
§2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all 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;	N/A		
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	N/A		
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);	N/A		

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 11/2/13/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(F) (Biology)	A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527;	N/A		
§2022(b)(2)(G) (Hazardous Material)	With respect to the handling of hazardous materials, a demonstration that: i) the project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code or ii) the project is eligible for Program 1 status pursuant to Section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the Emergency Response Planning Guideline, Level 2 (ERPG 2) at the nearest public receptor.	N/A		

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 142/130/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(H) (Hazardous Material)	If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance; and	N/A		
§2022(b)(2)(I) (Hazardous Material)	A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet;	N/A		
§2022(b)(3) (TSE)	Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:			
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	N/A		

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 142/130/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;	N/A		
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;	N/A		
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and	N/A		

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 11/2/13/01

(Six Month Expedited Process)

Technical Area: **Cultural Resources**

Project: Tesla power Plant

Technical Staff: Gary Reinoehl

Project Manager: Jack Caswell

Docket: 01/AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4)(C) (Public Health)	Identification of available health studies concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site;	N/A		
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and	N/A		
§2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.	N/A		

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date November 29, 2001

Technical Area: **Land Use 12-month**

Project: Tesla

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Eileen Allen

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.	Sec. 5.7.1.4 – 5.7.2.1, p. 5.7-8 – 10. App. H, p. 5-6. Sec. 5.7.5, p. 5.7-11 Sec. 5.7.3, p. 5.7-11	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	App. H, p. 5-6. Sec. 5.7.1.1, p. 5.7-1. Sec. 5.7.1.3, p. 5.7-7,8. Sec. 5.7.2.2, p. 5.7-10. Figure 5.7-3. Figure 5.7-2. Supplemental AFC Filing	Yes No	AFC p.5.6-1 states that the subject property will consist of 60 acres. The property is located within the County's "A" zoning district, and within the district, the zone requiring a minimum parcel size of 160 acres. Please discuss the legal status of the property, and a potential parcel split in accordance with the State Subdivision Map Act. Please provide a copy of the Williamson Act contract for this property. Please discuss how an electric power plant is permitted within a Williamson Act agricultural land preserve. Please discuss plans and timing for any contract cancellation proceedings with Alameda County, and potential County rezoning actions.
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;	Sec. 5.7.1.1, p. 5.7-1-5. Figure 5.7-3.	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Sec. 5.7.1.2 – 5.7.1.4, p. 5.7-5 – 5.7-8. Figure 5.7-1. Figure 5.7-2	Yes	

Adequacy Issue: Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 01 Date November 29, 2001

Technical Area: **Land Use 12-month**

Project: Tesla

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Eileen Allen

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) (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		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 5.7-1,2,3. Figure 5.12-1	Yes	
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Sec. 5.7.2.1, , 5.7.2.2, pp. 5.7-9,10,11	Yes	
Appendix B (g) (15) (B)	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 5.7-1. Sec. 5.7.4, p. 5.7-8.	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Sec. 5.7.1.4, p. 5.7-8.	Yes	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Sec. 5.6.1.2, pg. 5.6-3.	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Sec. 5.6.2 - 5.6.3, pg. 5.6-9 –13.	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Sec. 5.6.2 - 5.6.3, pg. 5.6-9 –13.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 01 Date November 29, 2001

Technical Area: **Land Use 12-month**

Project: Tesla

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Eileen Allen

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)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Table 5.7-1, pp. 5.7-5-6. Table 5.7-5, p. 5.17-13. Table 6.1-1 (LORS Section 6.57), p. 6-11.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 6.1-1 (LORS Section 6.57), p. 6-11.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.7.6 –5.7.7, p. 5-7-11-13	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.7-4, p. 5.7-13	Yes	
Appendix B (h) (4)	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 5.7-5, p. 5.7-13	Yes	

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date ~~October 30, 2001~~
December 3, 2001

Technical Area: **Land Use**

Project: Tesla Power Project

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 5.7-1, pp. 5.7-5, 6 Table 5.7-5, p. 5.17-13 Table 6.1-1, p. 6-11	Yes	

Adequacy Issue:

Adequate

Inadequate

X**DATA ADEQUACY WORKSHEET**

(Six Month Expedited Process)

Revision No. 01

Date ~~October 30, 2004~~

December 3, 2001

Technical Area:

Land Use

Project:

Tesla Power Project

Technical Staff:

Mark R. Hamblin

Project Manager:

Jack Caswell

Docket:

01-AFC-21

Technical Senior:

Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	App. H, p. 5-6. Sec. 5.7.1.1, p. 5.7-1. Sec. 5.7.1.3, p. 5.7-7,8. Sec. 5.7.2.2, p. 5.7-10. Figure 5.7-3. Figure 5.7-2.	No	Please provide a copy of the Williamson Act Contract for this property. -Please discuss how an electric power plant is permitted within a Williamson Act agricultural land preserve. - Project owner 's response found in LU-3 and LU-5 regarding the Williamson Act needs further clarification. It should be noted that provisions that apply to agricultural preserve via Government Code sect. 51238 cannot be presumed to directly apply to land under contract. -The executed Williamson Act Contract (Contract #72-26427 recorded February 29, 1972) on the subject property states under "2. Restriction On Use Of Property " during the term of this contract the property shall not be used for any purpose other than agricultural uses, which are set forth in Exhibit B attached to the contract. Exhibit B of the contract does not identify a use involving a power generation facility. -Government Code section 51238.3 (c) (2)) provides that a compatible use is considered to be expressly specified within the contract <u>only</u> if it is specifically enumerated within the four corners of the contract, either without reference to other documents, or with respect to contracts signed on or before June 7, 1997, with reference to other documents as those documents existed at the time the contract was initially signed. -Provide the CEC with a letter from the California Department of Conservation regarding the project's consistency with the Williamson Act and its administration. Please provide a detailed discuss of compliance with Alameda County an asure D-

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date ~~October 30, 2001~~
December 3, 2001

Technical Area: **Land Use**

Project: Tesla Power Project

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.7.6, p. 5.7-11-13. Table 6.1-1 (LORS Sec. 6.57), p. 6-11.	Yes	
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;	Table 5.8-7, p. 5. 8-13. Figure 5.8-1.	Yes	
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and	Figure 5.8-1. Table 5.8-7, p. 5. 8-13. Figure 5.15-3	Yes	

Adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date November 28, 2001

Technical Area: **Noise**

Project: Tesla Power Project (TPP)

Technical Staff: Ron Brown

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Buntin/Alexander

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.	Pages 5.9-1 to 5.9-22 Section 5.9	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 impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Page 5.9-3 Section 5.9.1	Yes	
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 duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L_{eq} (equivalent sound or noise level), L_{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L_{10} , L_{50} , and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	Pages 5.9-1 to 5.9-11 Section 5.9-1	Yes	

Adequacy Issue: Adequate **X** Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 00 Date November 28, 2001

Technical Area: **Noise**

Project: Tesla Power Project (TPP)

Technical Staff: Ron Brown

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Buntin/Alexander

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) (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.	Pages 5.9-12, 5.9-14, and 5.9-16 Section 5.9.2	No Yes	Please provide the tonal characteristics of plant operation equipment.
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.	Page 5.9-14 and 5.9-17 Section 5.9.2	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.	Page 5.9-12 and 5.9-16 Section 5.9.2.1 and 5.9.2.2	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.	Page 5.9-18 Section 5.9.2.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Page 5.9-21 Section 5.9.6	No Yes	Please provide a table listing the reference titles and numbers of all Federal, State and Local LORS.

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 00 Date November 28, 2001

Technical Area: **Noise**

Project: Tesla Power Project (TPP)

Technical Staff: Ron Brown

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Buntin/Alexander

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) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 5.9-21 Section 5.9.7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.9-1 Section 5.9.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.9-21 Section 5.9.7	Yes	
Appendix B (h) (4)	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 5.9-22 Section 5.9.8	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date November 28, 2001

Technical Area: **NOISE**

(Six Month Expedited Process)

Project: Tesla Power Project (TPP)

Technical Staff: Ron Brown

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Page 5.9-21 Section 5.9.6	No Yes	Please provide a table listing the title and number of all applicable LORS.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Page 5.9-4 and 5.9-21 Section 5.9.1.2 and 5.9.6	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Page 5.9-21 Section 5.9.6	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Page 5.9-22 Section 5.9.8	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate **X** Inadequate
 Technical Area: **Paleontological Resources**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET

Project: FPL Tesla
 Docket: 01-AFC-20

Revision No. 0 Date January 7, 2002
 Technical Staff: Patrick A. Pilling
 Technical Senior: Lynn Alexander

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.	Page 5.17-1 Section 5.17.1.1 Pages 5.17-6 through 5.17-9 Sections 5.17.2 through 5.17.4	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 area may vary depending on the depositional history of the area.	Pages 5.17-1 through 5.17-3 Sections 5.17.1.1 and 5.17.1.2	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 paleontologic localities or other paleontologic resources within or adjacent to the project.	Pages 5.17-5 through 5.17-8 Sections 5.17.1.5 through 5.17.2.2 Appendix O	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Pages 5.17-3 through 5.17-4 Section 5.17.1.3	Yes	
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Appendix O Pages 5.17-5 through 5.17-6 Section 5.17.1.5	No Yes	A map at a scale of 1:24,000 which shows the location of known paleontological sites near the proposed project must be included.

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 0 Date January 7, 2002

Technical Area: **Paleontological Resources**

Project: FPL Tesla

Technical Staff: Patrick A. Pilling

Project Manager: Jack Caswell

Docket: 01-AFC-20

Technical Senior: Lynn Alexander

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) (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 paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Pages 5.17-8 through 5.17-9 Section 5.17.4	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Page 5.17-9 Table 5.17-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.17-9 through 5.17-10 Section 5.17.5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 00 Date November 28, 2001

Technical Area: **Project Overview**

Project: Tesla Power Project

Technical Staff: Jack W. Caswell

Project Manager: Jack W. Caswell

Docket: 01-AFC-21

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 6.0, pg-6.1 through 6.14	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 6.0, Appendix a, b, c, d, e, and k	Yes	
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and	Section 1.0, 1.5.1 pg. 1-2 DA Response Attachment A, PO-1	No Yes	Please provide documented evidence of property ownership.

Adequacy Issue: Adequate **X** Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 11-26-01

Technical Area: **Socioeconomics**

Project: Tesla Power plant

Technical Staff: Amanda Stennick

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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.	AFC Section 5.8 PP. 5.8-1 through 17	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:	Section 5.8.1.1, Pg. 5.8-1	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;	Section 5.8.1.1, Pg. 5.8-1 Section 5.8.2.2 PP. 5.8-9 through 12	Yes	
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Section 5.8.1.2, Pg. 5.8-2 Section 5.8.3 PP. 5.8-12 through 14	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Section 5.8.1.1, Pg. 5.8-1	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Section 5.8.2.1 PP. 5.8-5 & 6	No Yes	Please provide availability of skilled workers by craft required for operation of the project; Information provided in 11/20 submittal is adequate.
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Section 5.8.1.3, Pg. 5.8-2 Section 5.8.2.1, Pg. 5.8-6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 11-26-01

Technical Area: **Socioeconomics**

Project: Tesla Power plant

Technical Staff: Amanda Stennick

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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) (vi)	Capacities, 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, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Section 5.8.1.4 PP. 5.8-2 through 4	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	Section 5.8.2.1 PP. 5.8-5 through 12	Yes	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Section 5.8.2 PP. 5.8-5 & 6	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Section 5.8.2.1 PP. 5.8-5 & 6	No Yes	Please provide an estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project. Information provided in 11/20 submittal is adequate.
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Section 5.8.2.1, Pg. 5.8-6	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Section 5.8.2.1, Pg. 5.8-6	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 11-26-01

Technical Area: **Socioeconomics**

Project: Tesla Power plant

Technical Staff: Amanda Stennick

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. 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 operation phases;	Section 5.8.2.1, PP. 5.8-6 through 12	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Section 5.5.2.1 Pg. 5.8-7	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Section 5.8.2.1 Pg. 5.8-5 Section 5.8.2.2, Pg. 5.8-7	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; and	Section 5.8.2.1, Pg. 5.8-7	No Yes	Please provide an estimate of the expenditures for locally purchased materials for the operation phase of the project. Information provided in 11/20 submittal is adequate.
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project and the potential impacts on tax revenues from construction and operation of the project.	Section 5.8.2.2 PP. 5.8-11 & 12	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 6.0, Table 6.1-1 Pg. 6-11 Section 5.8.7 PP. 5.8-14 & 15	No Yes	Please modify Table 6.1-1 so it explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; Information provided in 11/20 submittal is adequate.

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 11-26-01

Technical Area: **Socioeconomics**

Project: Tesla Power plant

Technical Staff: Amanda Stennick

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.8.8, Table 5.8-8 PP. 5.8- 15 & 16	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.8.7 PP. 5.8-14 & 15	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.8.8, Table 5.8-8 PP. 5.8- 15 & 16	Yes	
Appendix (h) (4)	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 5.8.9, Pg. 5.8-16	Yes	

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

DATA ADEQUACY WORKSHEET

Project: Tesla Power Plant
 Docket: 01-AFC-21

Revision No. 2 Date 11-28-01
 Technical Staff: Tony Mediati
 Technical Senior: Dick Anderson

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.	Sec. 5.6.1.1 p 5.6-1 to 5.6-3 Sec. 5.6.2 p 5.6-9 to 5.6-13 Sec. 5.6.3 p 5.6-13 to 5.6-14 Sec. 5.6.5 p 5.6-14 SOILS-1 Response	No	Please provide a discussion of the existing site conditions (unstable areas, areas of accelerated erosion, etc.), the expected direct, indirect and cumulative impacts due to the construction on these areas. Please provide a description of erosion control measures that will be implemented to help maintain soil resources. Special emphasis should be placed on areas with severe erosion potential. Please provide a discussion of the anticipated effectiveness of the proposed measures.
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:	Fig. 5.6-1 p 5.6-2	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 5.6-1 p 5.6-4 to 5.6-7	Yes	
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.	Table 5.6-1 p 5.6-4 to 5.6-7	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:			

Adequacy Issue: Adequate _____ Inadequate **X****DATA ADEQUACY WORKSHEET**Revision No. 2 Date 11-28-01Technical Area: **Soils**Project: Tesla Power PlantTechnical Staff: Tony MediatiProject Manager: Jack CaswellDocket: 01-AFC-21Technical Senior: Dick Anderson

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) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Sec. 5.6.2.2 p 5.6-12 SOILS-2 Response	No	The AFC states in several areas that erosion will likely be temporarily increased during construction of the plant and linear features. This project contains more than a mile of linear features on soil with severe erosion potential, in addition the AFC states the cut and fill slopes will be no steeper than 2:1, which will increase the erosion potential to severe for these areas. The AFC also states that linear features will be allowed to re-vegetate naturally. Please provide the quantification of accelerated soil loss due to wind and water erosion (current, immediately upon completion of construction, and five years after completion).
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Sec. 5.6.2.1 p 5.6-10 Sec. 5.2.4.6 p 5.2-68 to 5.2-69 Sec. 5.3.5.3 p 5.3-40 to 5.3-41 Table 5.2-33	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Sec. 5.6.6 p 5.6-14 to 5.6-16 Table 6.1-1 p 6-10 to 6-11	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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.	Sec. 5.6.6 p 5.6-14 to 5.6-16 Table 6.1-1 p 6-10 to 6-11	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 2 Date 11-28-01

Technical Area: **Soils**

Project: Tesla Power Plant

Technical Staff: Tony Mediati

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1 p 6-10 to 6-11	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 5.6.7 p 5.6-17 Table 5.6-2	Yes	
Appendix B (h) (4)	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.	Sec. 5.6.8 p 5.6-17 Table 5.6-3	Yes	

Adequacy Issue:

Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 2

Date 11-28-01

(Six Month Expedited Process)

Technical Area:

Soils

Project:

Tesla Power Plant

Technical Staff:

Tony Medati

Project Manager:

Jack Caswell

Docket:

01-AFC-21

Technical Senior:

Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 5.6.6 p 5.6-14 to 5.6-16 Table 6.1-1 p 6-10 to 6-11	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Table 6.1-1 p 6-10 to 6-11	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec 5.6.8 p 5.6-17 Table 5.6-3 SOILS-3 Response	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Traffic and Transportation**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET

Project: Tesla Power Project
 Docket: 01-AFC-21

Revision No. _____ Date 11/29/01
 Technical Staff: Steve Brown/Brian Welch
 Technical Senior: Eileen Allen

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.	Section 5.11-1, p. 5.11-1l, Section 5.11.2, p. 5.11-5; Section 5.11.3, p. 5.11-13; Section 5.11.4, p. 5.11-13	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.	Section 5.11.1.1, p. 5.11-1; Figure 5.11-1, p. 5.11-2; Section 5.11.6, p. 5.11-14 AFC Supplement	No Yes	Please provide the required maps at a 1:250,000 scale.
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Table 5.11-2, p. 5.11-5	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Table 5.11-3, p. 5.11-6 AFC Supplement	No Yes	Please provide the date(s) for all traffic counts. Please provide daily traffic volume data for potentially affected roadways. Please provide peak hour turning movement counts for potentially affected intersections.
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Table 5.11-4, p. 5.11-7; Table 5.11-5, p. 5.11-11; table 5.11-6, p. 5.11-13 AFC Supplement	No Yes	Please provide peak hour LOS for potentially affect intersections.
Appendix B (g) (5) (B) (iv)	Weight and load limitations	Section 5.11-1, p. 5.11-4 AFC Supplement	No Yes	Please provide the posted weight limits for roadways to be used by construction traffic.
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic for passenger vehicles and trucks; and	Table 5.11-3, p. 5.11-6 AFC Supplement	No Yes	Please provide the percentage of <u>current</u> traffic comprised of trucks vs. percentage comprised of passenger vehicles.
Appendix B (g) (5) (B) (vi)	An identification of any road affecting public safety.	Section 5.11.2, p. 5.11-5 AFC Supplement	No Yes	Please add a description of horizontal curvature and limited sight distance conditions on Midway Rd.

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Traffic and Transportation**
 Project Manager: Jack Caswell

DATA ADEQUACY WORKSHEET
 Project: Tesla Power Project
 Docket: 01-AFC-21

Revision No. _____ Date 11/29/01
 Technical Staff: Steve Brown/Brian Welch
 Technical Senior: Eileen Allen

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)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Section 5.11.1 (all), p. 5.11-1 through 5.11-4; Figure 5.11-1, p. 5.11-2 AFC Supplement	No Yes	No references are made to planned or programmed roadway facilities.
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Section 5.11.2.1, p. 5.11-7; Section 5.11.2.2, p. 5.11-12 AFC Supplement	No Yes	Please provide LOS data for potentially affected intersections. Please provide LOS analysis for operations phase of project. Please compare the anticipated truck loads to posted weight limits. Please provide discuss sight distance where project access roadway connects to Midway Road.
Appendix B (g) (5) (E)	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 5.11.2.2, p. 5.11-12	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 5.11-7, p. 5.11-16	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A)	Table 5.11-8, p. 5.11-16; Section 5.11.6, p. 5.11-14; Table 6.1-1 (right column), p. 6-12	Yes	

Adequacy Issue:	Adequate <input checked="" type="checkbox"/> Inadequate <input type="checkbox"/>	DATA ADEQUACY WORKSHEET		Revision No. _____	Date 11/29/01
Technical Area:	Traffic and Transportation	Project:	Tesla Power Project	Technical Staff:	Steve Brown/Brian Welch
Project Manager:	Jack Caswell	Docket:	01-AFC-21	Technical Senior:	Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.11.7, p. 5.11-15	Yes	
Appendix B (h) (4)	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, p. 5.11-16	Yes	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 00 Date November 28, 2001

Technical Area: **Transmission System Engineering**

Project: Tesla Power Project

Technical Staff: Ajoy Guha, P. E.

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 6, Table 6.1-1, Pages 6-1 to 6-14	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 3.4.4, Page 3-22 Section 3.6, Pages 3-55 & 3-61	Yes	
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	Section 3.6.1, Pages 3-55 to 3-61 System Impacts/Facility Study Report, Appendix I, Pages 1 to 23	No YES	<p>a. Provide power flow diagrams (MVA , % loading & P. U. voltage) for base cases with and without the generation project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overloads or voltage violations appear.</p> <p>b. Analyze system for Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related data and a list for voltage criteria violations. List mitigation measures considered and those selected for all voltage criteria violations.</p> <p>c. List mitigation measures selected for all overload criteria violations (refer to Sections 12.3, 12.3.2 & 12.3.3 of the System Impact Study).</p> <p>d. Provide a list of contingencies evaluated for Power Flow and Post-transient voltage analyses.</p> <p>Provide electronic copies of *.sav and *.drw PSLF files for base cases and EPCL or AUTOCON input & output files (optional).</p>

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 00 Date November 28, 2001

Technical Area: **Transmission System Engineering**

Project: Tesla Power Project

Technical Staff: Ajoy Guha, P. E.

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;	Section 3.6.1, Pages 3-55 to 3-61 System Impacts/Facility Study Report, Appendix I, Pages 1 to 23	No YES	For the environmental settings and impacts of downstream facilities requiring reconductoring or any other project (refer to sections 12.3 & 12.3.2 of the system Impact Study), provide routes and environmental analysis (including other technical areas related to transmission) and any recommended mitigation measures.

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date November 28, 2001

Technical Area: **Transmission System Engineering**

Project: Tesla Power Project

Technical Staff: Ajoy Guha, P. E.

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Al McCuen

(Six Month Expedited Process)

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 6, Table 6.1-1, Pages 6-1 to 6-14	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 3.4.4, Page 3-22 Section 3.6, Pages 3-55 & 3-61	Yes	
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	Section 3.6.1, Pages 3-55 to 3-61 System Impacts/Facility Study Report, Appendix I, Pages 1 to 23	No YES	<p>e. Provide power flow diagrams (MVA, % loading & P. U. voltage) for base cases with and without the generation project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overloads or voltage violations appear.</p> <p>f. Analyze system for Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related data and a list for voltage criteria violations. List mitigation measures considered and those selected for all voltage criteria violations.</p> <p>g. List mitigation measures selected for all overload criteria violations (refer to Sections 12.3, 12.3.2 & 12.3.3 of the System Impact Study).</p> <p>h. Provide a list of contingencies evaluated for Power Flow and Post-transient voltage analyses.</p> <p>Provide electronic copies of *.sav and *.drw PSLF files for base cases and EPCL or AUTOCON input & output files (optional).</p>

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date November 28, 2001

Technical Area: **Transmission System Engineering**

Project: Tesla Power Project

Technical Staff: Ajoy Guha, P. E.

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;	Section 3.6.1, Pages 3-55 to 3-61 System Impacts/Facility Study Report, Appendix I, Pages 1 to 23	No YES	For the environmental settings and impacts of downstream facilities requiring reconductoring or any other project (refer to sections 12.3 & 12.3.2 of the system Impact Study), provide routes and environmental analysis (including other technical areas related to transmission) and any recommended mitigation measures.

Adequacy Issue: Adequate **X** Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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.	Pages 5.10-2 – 5.10-3; Section 5.10.1.2 Pages 5.10-13 – 5.10-18; Sections 5.10.2.4; 5.10.3 – 5.10.5	YES	
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 5.10-1; Sections 5.10.1.1 – 5.10.1.3	YES	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 5.10-2 and 5.10-3 DA Submittal, VIS-1 Response	No NOYES	Please provide Figure 5.10-2 (KOP Locations at the Tesla Site) at a scale of 1:24,000. Please provide Figure 5.10-2 (KOP Locations at the Tesla Site) at a scale of 1:24,000.
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Page 5.10-5; Section 5.10.1.4	YES	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 5.10-1; Sections 5.10.1.1 – 5.10.1.3	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.10-5 – 5.10-7; Section 5.10.1.4	YES	
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.10-3 – 5.10-7; Section 5.10.1.4 Page 5.11-6; Table 5.11-3	YES	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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)	A description of the dimensions, color, and material of each major visible component of the project.	Pages 5.10-10 – 5.10-12; Table 5.10-2; Section 5.10.2.3	YES	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.10-4a – 5.10-9c <u>DA Submittal, VIS-2 Response</u>	No <u>NOYES</u>	The photo simulations of the project (Figures 5.10-4b and 5.10-4c) as it would be seen from KOP 1 do not show the entire project. Please provide new figures to show the remainder of the project from KOP 1 (with and without landscaping), or revise Figures 5.10-4b and 5.10-4c to show the entire project. The photo simulations of the project (Figures 5.10-4b and 5.10-4c) as it would be seen from KOP 1 do not show the entire project. Please provide new figures to show the remainder of the project from KOP 1 (with and without landscaping), or revise Figures 5.10-4b and 5.10-4c to show the entire project.
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.10-13 – 5.10-18; Sections 5.10.2.4; 5.10.3; 5.10.5 Pages 5.2-69 – 5.2-71; Table 5.2-34; Section 5.2.4.6	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Table 5.10-3; Pages 5.10-18 – 5.10-21; Section 5.10-6	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

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) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 5.7-4	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.10-18 – 5.10-21; Table 5.10-3; Section 5.10-6	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.7-4	YES	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date November 30, 2001

(Six Month Expedited Process)

Technical Area: **Visual Resources**

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Docket: 01-AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 5.10-3; Pages 5.10-18 – 5.10-21; Section 5.10-6	YES	

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

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Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Pages 5.10-18 – 5.10-21; Table 5.10-3; Section 5.10-6 Page 5.10-17; Section 5.10.4 DA Submittal, VIS-3 Response	YNQES	According to the AFC (page 5.10-18), Policy 107A of the Alameda County East County Area Plan states that “to the extent possible, ...structures shall be located on that part of the parcel...where development is least visible to persons on public roads...and other public viewpoints.” The proposed project would be very visible from Midway Road, which is located approximately 300 feet from the project’s northern property line, and would not appear to comply with Policy 107A. The 25-acre project site is within a 160-acre parcel. The discussion in the AFC does not address whether the project has been sited, to the extent possible, so it would be located on that part of the parcel where development is least visible to persons on public roads and other public viewpoints. According to the AFC (page 5.10-18), Policy 107A of the Alameda County East County Area Plan states that “to the extent possible, ...structures shall be located on that part of the parcel...where development is least visible to persons on public roads...and other public viewpoints.” The proposed project would be very visible from Midway Road, which is located approximately 300 feet from the project’s northern property line, and would not appear to comply with Policy 107A. The 25-acre project site is within a 160-acre parcel. The discussion in the AFC does not address whether the project has been sited, to the extent possible, so it would be located on that part of the parcel where development is least visible to persons on public roads and other public viewpoints.

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	DA Submittal, VIS-4 Response	NO YES	According to the AFC, power plants are allowed in agricultural zoning districts "with appropriate review and approval by the County Planning Commission" (page 5.7-12). Please provide a list of Alameda County permitting requirements related to the protection of visual resources if the County had jurisdiction over the project. According to the AFC, power plants are allowed in agricultural zoning districts "with appropriate review and approval by the County Planning Commission" (page 5.7-12). Please provide a list of Alameda County permitting requirements related to the protection of visual resources if the County had jurisdiction over the project.
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;			

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO ₂ , SO ₂ , CO, and PM ₁₀ ;			
§2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all 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;			
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;			
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);			

Adequacy Issue:

Adequate ☒ Inadequate**DATA ADEQUACY WORKSHEET**

Revision No. 1

Date November 30, 2001

(Six Month Expedited Process)

Technical Area:

Visual Resources

Project:

Tesla Power Project

Technical Staff:

Eric Knight

Project Manager:

Jack Caswell

Docket:

01-AFC-21

Technical Senior:

Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(F) (Biology)	A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527;			
§2022(b)(2)(G) (Hazardous Material)	With respect to the handling of hazardous materials, a demonstration that: <u>iii)</u> the project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code or <u>iv)</u> the project is eligible for Program 1 status pursuant to Section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the Emergency Response Planning Guideline, Level 2 (ERPG 2) at the nearest public receptor.			
§2022(b)(2)(H) (Hazardous Material)	If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance; and			

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

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Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

(Six Month Expedited Process)

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(I) (Hazardous Material)	A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet;			
§2022(b)(3) (TSE)	Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:			
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and			
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;			
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			

Adequacy Issue: Adequate ☒ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date November 30, 2001

Technical Area: **Visual Resources**

Project: Tesla Power Project

Technical Staff: Eric Knight

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dale Edwards

(Six Month Expedited Process)

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;			
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and			
§2022(b)(4)(C) (Public Health)	Identification of available health studies concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site;			
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and			
§2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.			

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 12-13-01

Technical Area: **Water Resources**

Project: Tesla Power Plant

Technical Staff: Tony Mediati

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

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.	Sec. 5.4 p 5.4-1 to 5.4-11 WR-1 Response	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide a discussion of the existing site conditions, related to Friant-Kern flood waters the expected direct, indirect and cumulative impacts of the project on the Buena Vista Water Storage District, City of Bakersfield and the Kern River related to the proposed water supply. Please provide 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.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Sec. 5.4.2.4 p 5.4-7 to 5.4-8	Yes	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	WR-2 Response	Yes	
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:			

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 12-13-01

Technical Area: **Water Resources**

Project: Tesla Power Plant

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Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

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) (B) (i)	Ground water bodies and related geologic structures;	Sec. 5.4.1.3 p 5.4-4 Sec. 5.5.1 WR-3 Response WR-7 Response	No	The applicant provided information on December 6, 2001, WR-7 Response and WR-3 Response, which further defined the proposed project and water sources. In light of this new information please provide a hydrostratigraphic map at the appropriate scale of ground water bodies and related geologic structures for the groundwater to be used during construction and operation and any groundwater to be exchanged in order to provide the project with water.
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Sec. 5.4.1.2 Fig. 5.4-1 p 5.4-1 to 5.4-3 WR-4 Response WR-7 Response	No	<p>The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide the physical and chemical characteristics of the Friant-Kern Flood waters which have been identified as the source of water for the project. Provide data using a analytical method with analytes and detection limits comparable to U.S. EPA method 200.8 (Inductively Coupled Plasma – M as Spectrometry). Report all analytes and detection limits.</p> <p>Please provide the chemical and physical characteristics of the water bodies that will receive runoff from the site or linear features such as Patterson Run Creek. If not onsite then down slope where water is available for testing. Provide data using an analytical method with analytes and detection limits comparable to U.S. EPA method 200.8 (Inductively Coupled Plasma – M as Spectrometry).</p>
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Sec. 5.4.2.2 p 5.4-5 to 5.4-6 App. G Sec. 3.7.2 p 11 WR-5 Response	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			

Adequacy Issue: Adequate _____ Inadequate **X****DATA ADEQUACY WORKSHEET**

Revision No. 3 Date 12-13-01

Technical Area: **Water Resources**

Project: Tesla Power Plant

Technical Staff: Tony Medati

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

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) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Sec. 3.4.6.2 p 3-34 Sec. 3.10.5 p 3-91 to 3-92 Sec. 5.4.1.4 p 5.4-4 Sec. 5.4.2.3 p 5.4-6	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide the rationale for the selection of the source water defined as Kern River flood water provided to Rosedale.
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 3.4-15 p 3-35	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide the physical and chemical characteristics of the local water used in the exchanges.
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; and	Sec. 3.7.5.4 p 3-70 to 3-71 Tables 3.4-9 to 3.4-14 P 3-27 to 3-33	Yes	
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Sec.3.4.6 p 3-27 to 3-36 Sec.3.4.7.3 p 3.37 to 3-40 Sec. 3.5.4 p 3-54 Sec. 3.7.4 p 3-70 Fig. 3.4-9 Tables 3.4-10 to 3.4-14	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide a description of all facilities to be used showing the transfers and exchanges of water are possible.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	Fig 3.5-1 to 3.5-3 p 3-51 to 3-53	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Sec. 5.4.1.1 p 5.4-1 Fig. 3.5-1 to 3.5-3	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Fig 3.5-2 Sec. 3.5.7 p 3-54 Sec. 5.4.2.2 p 5.4-6 WR-6 Response	Yes	
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:		Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 12-13-01

Technical Area: **Water Resources**

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Technical Senior: Dick Anderson

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) (E) (i)	The effects of project demand on the water supply and other users of this source;	Sec. 5.4.2.3 p 5.4-6 to 5.4-7 WR-7 Response	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide an assessment of the direct, indirect and cumulative impacts of project demand on the water supply and other users of this source. Include a discussion of all relevant parties and users of the water supply (Rosedale, Buena Vista, KCWA, Zone 7, etc.), and describe the past use of the water. The cumulative impacts assessment should include the effects of water use for the project and other closely related projects on the aqueduct, downstream users, and all involved water agencies and banks.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Sec. 5.4.2.2 p 5.4-5 to 5.4-6	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Sec. 5.4.2.2 p 5.4-6	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of 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;	Sec 5.4.6 p 5.4-10 to 5.4-11 Table 6.1-1 p 6-9 to 6-10	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please revise the tables to include established programs under state and local regulations related to transfer and/or exchanges of water resources necessary to supply water to the project and a discussion of the applicability of 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.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 12-13-01

Technical Area: **Water Resources**

Project: Tesla Power Plant

Technical Staff: Tony Mediati

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

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) (B)	Tables which identify each agency with jurisdiction to issue applicable permits 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 5.4-1 p 5.4-12 Table 6.1-1 p 6-9 to 6-10 WR-9 Response	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please revise the tables to include each federal, state and local agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and ordinances including those that have permit approval or enforcement authority related to water transfers and exchanges.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.1-1 p 6-9 to 6-10	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide a discussion of the conformity of the project with relation to established programs under federal, state and local LORS related to transfer and/or exchanges of water resources necessary to supply water to the project.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.4-1 p 5.4-12	Yes	
Appendix B (h) (4)	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 5.4-2 p 5.4-12	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please revise the schedule to include permits or approvals needed to implement the proposed water transfers and/or exchanges and the steps the applicant has taken or plans to take to obtain such permits. Include permits and/or approvals.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET (Six Month Expedited Process)

Revision No. 34 Date 1-7-02 12-18-04

Technical Area: **Water Resources**

Project: Tesla Power Plant

Technical Staff: Tony Mediati

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 5.4.6 p 5.4-10 to 5.4-11 Table 6.1-1 p 6-10 to 6-11 <u>Attachment B dated 1-4-02</u>	No <u>Yes</u>	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide a list of such standards, ordinances, laws and associated programs in relation to water transfers and exchanges.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Table 6.1-1 p 6-10 to 6-11 <u>Attachment B dated 1-4-02</u>	No <u>Yes</u>	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws in relation to water transfers and exchanges.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A	Yes	

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 34 Date 1-7-02 12-18-01

Technical Area: **Water Resources**

Project: Tesla Power Plant

Technical Staff: Tony Mediati

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec 5.4.8 p 5.4-12 Table 5.4-2 WR-10 Response <u>Attachment B dated 1-4-02</u>	No <u>Yes</u>	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide a discussion of the conformity of the project with relation to established programs under state and local regulations related to transfer and/or exchanges of water resources necessary to supply water to the project. Provide a list of the requirements for permitting by each agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);	Sec. 5.13.2.2 p 5.13-4 to 5.13-5 Sec. 3.4.7.3 p 3-37 to 3-38	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 34 Date 1-7-02 ~~12-18-04~~

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§2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.	Appendix M WR-11 Response <u>Attachment B dated 1-4-02</u>	No	The applicant provided information on December 6, 2001, WR-7 Response, which further defined the proposed project and water source. In light of this new information please provide a signed contract, signed will-serve letter or similar document from each provider of water to the project, indicating each provider's ability and willingness to provide water to the project. Describe all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project. These contractual agreements should include Rosedale, Buena Vista, City of Bakersfield, KCWA and any other agency involved in the transfer or exchange of water for the project. A will-serve letter has been received from Alameda County Zone 7.