

# Memorandum

Date : November 8, 2001  
Telephone: ATSS (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 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. Staff believes that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B (12-month process) and PRC. 25550, (6-month process). Attachment A contains an overview showing each technical discipline and it's evaluated adequacy status. There are 12 technical areas in the 12-month process and 10 technical areas in the 6-month process requiring additional information. Attachment B contains staff's detailed data adequacy work sheets, which describe staff's findings for each technical section requirement.

Staff believes, based on preliminary review, that this project has significant issues that prevent it from meeting the criteria set forth under the 6-month process, and will require more review and consultation time than would be allowed in a 6-month process. These issues include: 1) Air Quality; ( the air district has viewed the application as incomplete and the air pollution offset package is incomplete), 2) Biological Resources; (Section 7 consultation with the USF&WS will be required and a complete species survey has not been provided), 3) Land Use; (Williamson Act dealing with preserving farmland and Alameda county Measure D requiring the preservation of open lands enacted by voters in November 2000), 4) Water Quality; (applicant must obtain a contract with the Department of Water Resources 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 November 14, 2001, I will recommend that the Energy Commission find the AFC incomplete and adopt the list of deficiencies in the attachment.

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

Sincerely,

STEVE LARSON  
Executive Director

TPP:JC:jc

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

<b>Technical Area</b>	<b>Data Adequacy</b>			
	<b>12-Mo.</b>	<b>Page No.</b>	<b>6-Mo.</b>	<b>Page No.</b>
Air Quality	No	1	No	5
Alternatives	Yes	7	Yes	8
Biological Resources	No	9	No	13
Cultural Resources	No	15	No	18
Efficiency	Yes	19	N/A	---
Facility Design	Yes	20	N/A	---
Geological Hazards	Yes	25	Yes	27
Hazardous Materials	Yes	28	Yes	30
Land Use	No	33	No	36
Noise	No	38	No	41
Paleontological Resources	No	42	Yes	44
Project Overview	Yes	45	No	48
Public Health	Yes	49	Yes	51
Reliability	Yes	52	N/A	---
Socioeconomics	No	53	Yes	56
Soil Resources	No	57	No	59
Trans Line Safety/Nuisance	Yes	60	Yes	63
Traffic and Transportation	No	65	Yes	68
Transmission System Engineering	No	69	No	71
Visual Resources	No	73	No	76
Waste Management	Yes	77	Yes	79
Water Resources	No	80	No	83
Worker Safety	Yes	85	Yes	87

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10/26/01

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 (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	Discuss the measures proposed to mitigate the NO2 impact (violation of 1-hour state standard) during construction.  Discuss the effectiveness of the proposed mitigation measures of paving roads for PM10 offsets to the potential impacts of combustion particulates from the gas turbines.
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	The BAAQMD has filed a letter of incompleteness with the CEC dockets unit on Nov. 1, 2001.
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	
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 p 5.2-43, 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	An estimate of criteria air contaminant emissions from secondary sources (e.g., ammonia delivery, zero liquid discharge solids removal, and employee vehicles).
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	An estimate of criteria air contaminant emissions during shutdown mode.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10/26/01

Technical Area: Air Quality

Project: Tesla Power Plant Project

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Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Keith Golden

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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	Provide documentation indicating the meteorological data as proposed to be used in the AFC has been approved by the California Air Resources Board or the local air pollution control district.
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	
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 <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] 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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10/26/01

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 (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 <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) 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	
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, Analysis Completed 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:			
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.	No	Description of location of offset sources.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	§5.2.5 p 5.2-73 Confidential Filing as of 10/12.	No	Description of method of emission reduction that would occur at the offset sources.
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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10/26/01

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) (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	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.
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	Identify each agency that would have permitting or enforcement authority of emissions caused by natural gas supply line construction activities in San Joaquin County.
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	
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	The steps taken to obtain necessary federal and district permits, and an estimated schedule indicating when permits will be obtained.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**  
(Six Month Expedited Process)

Revision No.  0  Date  10/26/01

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	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	Not found.	No	Provide information whether the proposed project will comply with the changing BAAQMD Regulation 9, Rule 8 regarding stationary internal combustion engines.
§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.  0  Date  10/26/01

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 <sub>x</sub> , SO <sub>2</sub> , CO, and PM <sub>10</sub> ) 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	
§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 <sub>2</sub> , SO <sub>2</sub> , CO, and PM <sub>10</sub> ;	§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	Description of emissions and impacts of SO <sub>2</sub> and PM <sub>10</sub> during commissioning and dispersion modeling files. Description of the monitoring techniques to be used during commissioning.
§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.	No	Detailed description of the measures proposed to mitigate the NO <sub>2</sub> impact (violation of 1-hour state standard) during construction.
§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	No	Please provide complete information on all offsets required for PM-10, to include construction. Please show mitigation measures to address all air impacts to include PM-10

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10-26-01

Technical Area: Alternatives  
 Project Manager: Jack W. Caswell

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

Technical Staff: Negar Vahidi  
 Technical Senior: Jack W. Caswell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Pages 3-77 – 3-78, Sections 3.10.2 – 3.10.2.1  Page 3-89, Section 3.10.3  Pages 3-91 – 3-92, Section 3.10.5	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Page 3-77, Section 3.10.1	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Pages 3-81 – 3-100, Sections 3.10.2.2 – 3.10.7  Pages 3.96 – 3.99, Section 3.10.6.6	Yes	

**Adequacy Issue:**

Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**  
(Six Month Expedited Process)

Revision No. 00 Date 10/26/01

**Technical Area:** Alternatives

**Project:** Tesla Power Plant

**Technical Staff:** Negar Vahidi

**Project Manager:** Jack W. Caswell

**Docket:** 01-AFC-21

**Technical Senior:** Jack W. Caswell

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 3-100, Section 3.11	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;	Page 3-100, Section 3.11	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	Page 3-100, Section 3.11	Yes	
§2022(b)(1)(D) (All)		Page 3-100, Section 3.11	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area: **Biological Resources**  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

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

Revision No. \_\_\_\_\_ 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	No	Please provide a discussion of potential impacts of water use by Tesla on Delta Fish. A consultation with the National Marine Fisheries Service (NMFS) should be initiated.
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  X   
 Technical Area: **Biological Resources**  
 Project Manager: Jack Caswell

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Revision No. \_\_\_\_\_ Date 10/25/01  
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 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	No	The applicant states on pages 5.3-26, 5.3-30, 5.3-32, and 5.3-36 that biological surveys along the western portion of proposed gas pipeline corridor were not complete due to lack of access. How long is the unsurveyed segment? Please provide a letter describing timeline for completing the surveys. Will the data be provided to CEC during the four month review period? When the data is collected a complete analysis of impacts should be provided.
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	No	The impacts section does not discuss indirect impacts to listed Delta Fish species. Any divisions of water may be significant to endangered and threatened fish species. Please provide an analysis of potential impacts to listed and commercial and recreational fish species in the Delta in consultation with NMFS.  Please provide discussion of indirect impacts of noise and how noise levels will be mitigated to avoid impacts to wildlife.
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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area: **Biological Resources**  
 Project Manager: Jack Caswell

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Revision No. \_\_\_\_\_ Date 10/25/01  
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 Technical Senior: Jim Brownell

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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.		No	According to the AFC, Section 5.3.4.3, p. 5.3-31 is supposed to contain this information. Biology staff was unable to find it. 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:			
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	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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area: **Biological Resources**  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

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

Revision No. \_\_\_\_\_ 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) (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	
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  
(Six Month Expedited Process)**

Revision No. 00 Date 10/25/01

Technical Area: **Biology Resources**

Project: Tesla

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 completed biological opinion report.
§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		
§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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date 10/25/01

Technical Area: **Biology Resources**

Project: Tesla

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)(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 Biological Assessment through Section 7 process has been submitted and approved by the USFWS.  The Applicant also did not address potential impacts to special status fish in the Delta (ie. salmonid species). The NMFS should be consulted on this issue to ensure that water diversions do not add to indirect and cumulative impacts to listed species.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Cultural Resources   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  10/29/01   
 Technical Staff:  Gary Reinoehl   
 Technical Senior:  Dale Edwards

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

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	<p>Please provide the results of a cultural resources survey of the project area and liners conducted by an historian who meets the secretary of the interior standards evaluating the built environment. Identify and include descriptions of historic cultural resources (buildings, structures, objects, sites, and districts) adjacent to the project site and liners (within 1/2 mile that appear to be 45 or more years old).</p> <p>Please provide the qualifications of the individuals conducting the architectural surveys.</p> <p>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.</p>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  10/29/01

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	Please provide DPR Forms 523A, 523B, and 523J for the Tesla Substation, the Tesla-Ravenswood transmission line, the Telsa-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.
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	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.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  10/29/01

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 (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	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	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	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  
(Six Month Expedited Process)**

Revision No. 00 Date 10/29/01

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
§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	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.
§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)(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	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

Adequacy Issue: Adequate  Inadequate   
 Technical Area: Efficiency  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 24, 2001  
 Technical Staff: Shahab Khoshmashrab  
 Technical Senior: Steve Baker

Project: Tesla Power Project (TPP)  
 Docket: 01-AFC-21

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.	§§ 1.6, 3.4.5, 3.8, 3.10.6 through 3.10.6.6 Tables 3.4-1 through 3.4-7	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Tables 3.4-1 through 3.4-7	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 3.4.5 Tables 3.4-1 through 3.4-7	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 1.6, 3.8 Tables 3.4-1 through 3.4-7	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.6, 3.8	Yes	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 3.10.6 through 3.10.6.6	Yes	

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

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 25, 2001  
 Project: Tesla Power Plant Technical Staff: Brian Payne  
 Docket: 01-AFC-21 Technical Senior: Steve Baker

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) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	§ 1.7 (Page 1-4), § 4.1.4 (Page 4-1), See Also Water Resources	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	§ 5.2.2.1 (Page 5.2-14 to 15), Table 5.2-6 (Page 5.2-14), § 5.4.1.1 (Page 5.4-1), See Also Water Resources	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Figure 3.5-1 (Page 3-51), Figure 3.5-2 (Page 3-52), Figure 3.5-3 (Page 3-53), § 3.5.7 (Page 3-54), Appendix A, § 3.3.6 (Page A-6 to 7), Appendix B, § 3.1 (Page B-5 to 6), See Also Water Resources	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Figure 3.5-3 (Page 3-53), See Also Water Resources	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	§ 1.7 (Page 1-4), § 4.1.4 (Page 4-1), See Also Water Resources	Yes	

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

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 25, 2001  
 Technical Staff: Brian Payne  
 Technical Senior: Steve Baker

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

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 5.2-5 (Page 5.2-12), Table 5.2-37 (Page 5.2-74 to 75), § 5.4.6.1 (Page 5.4-10 to 11), § 5.4.6.2 (Page 5.4-11), Table 6.1-1 (Page 6-2 to 14), Appendix A, § 2.0 (Page A-1 to 3), Appendix B, § 2.0 (Page B-1 to 5), Appendix C, § 2.0 (Page C-1 to 6), Appendix D, § 2.0 (Page D-1 to 2), Appendix E, § 2.0 (Page E-1 to 7), Appendix G, § 1.2 (Page 2)	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.	§ 5.2.8 (Page 5.2-76), Table 5.4-1 (Page 5.4-12), Table 5.5-4 (Page 5.5-25), Table 6.1-1 (Page 6-2 to 14)	Yes	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: Facility Design  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 25, 2001  
 Project: Tesla Power Plant Technical Staff: Brian Payne  
 Docket: 01-AFC-21 Technical Senior: Steve Baker

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).	§ 3.4 (Page 3-5), § 3.11 (Page 3-100 to 101), § 4.1.1 (Page 4-1), § 5.2.6 (Page 5.2-74), § 5.4.6 (Page 5.4-10), § 5.5.6 (Page 5.5-25), Appendix A, § 2.0 (Page A-1), Appendix B, § 2.0 (Page B-1), Appendix C, § 2.0 (Page C-1), Appendix D, § 2.0 (Page D-1), Appendix E, § 2.0 (Page E-1)	Yes	
Appendix B (h) (3)	The name, title, telephones 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 (Page 5.4-12), Table 5.5-4 (Page 5.5-25)	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 (Page 5.4-12), Table 5.5-5 (Page 5.5-25)	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§ 1.7 (Page 1-4), § 1.8.5 (Page 1-6), § 3.6.2.3 (Page 3-60), § 4.1.1 (Page 4-1), § 5.5.1 (Page 5.5-1 to 21), § 5.5.2 (Page 5.5-22 to 24), Appendix G, Appendix G-2	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§ 5.5.3 (Page 5.5-24), Appendix G, § 4.0 (Page 12), Appendix G-2, § 6.0 (Page 20)	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 25, 2001

Technical Area: Facility Design

Project: Tesla Power Plant

Technical Staff: Brian Payne

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§ 3.5 (Page 3-50), Appendix A, Appendix B	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	NA	NA	
Appendix B (i) (1) (D) (i)	The power generation system;	Figure 3.3-1 (Page 3-4), § 3.4.2 (Page 3-5 to 19), Figure 3.4-1 (Page 3-6), Figure 3.4-2 (Page 3-7), Figure 3.4-3 (Page 3-8), Figure 3.4-4 (Page 3-9), Figure 3.4-5 (Page 3-11), Figure 3.4-7 (Page 3-23), Figure 3.4-8 (Page 3-24), § 3.4.3 (Page 3-19 to 21), Appendix C, Appendix D, Appendix E	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	Figure 3.3-1 (Page 3-4), Figure 3.4-1 (Page 3-6), Figure 3.4-2 (Page 3-7), Figure 3.4-3 (Page 3-8), Figure 3.4-4 (Page 3-9), Figure 3.4-5 (Page 3-11), Figure 3.4-6 (Page 3-12), § 3.4.3.4 (Page 3-21)	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 25, 2001

Technical Area: Facility Design

Project: Tesla Power Plant

Technical Staff: Brian Payne

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§ 1.8.4 (Page 1-5 to 6), Figure 3.3-1 (Page 3-4), Figure 3.4-1 (Page 3-6), Figure 3.4-2 (Page 3-7), Figure 3.4-3 (Page 3-8), Figure 3.4-4 (Page 3-9), Figure 3.4-6 (Page 3-12), § 3.4.6 (Page 3-27 to 36), Figure 3.4-9 (Page 3-28), § 3.5.4 (Page 3-54)	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§ 1.8.2 (Page 1-4 to 5), § 3.4.9 (Page 3-41 to 47), See Also Air Quality	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§ 1.8.13 (Page 1-10), § 3.4.7 (Page 3-37 to 40), § 3.4.8 (Page 3-41), § 3.5.6 (Page 3-54)	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	NA	NA	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Figure 3.3-1 (Page 3-4), Figure 3.4-1 (Page 3-6), Figure 3.4-2 (Page 3-7), Figure 3.4-3 (Page 3-8), Figure 3.4-4 (Page 3-9), § 3.4.4 (Page 3-22 to 25), Figure 3.4-7 (Page 3-23), Figure 3.4-8 (Page 3-24), Appendix E	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	§ 3.4.10 (Page 3-47 to 48), Fire Protection	Yes	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: Geological Hazards  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date November 8, 2001  
 Technical Staff: Patrick A. Pilling  
 Technical Senior: Lynn Alexander

Project: FPL Tesla Project  
 Docket: 01-AFC-20

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 5.5-21 through 5.5-25 Sections 5.5.1.9 through 5.5.5 Appendix G	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Pages 5.5-1 through 5.5-13 Sections 5.5.1.1 through 5.5.1.6 Appendix G	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Figure 5.5-2 Pages 5.5-13 through 5.5-20 Section 5.5.17 Appendix G	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Pages 5.5-13 through 5.5-21 Section 5.5.1.8 to 5.5.1.9	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;	Appendix A Appendix B	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date November 8, 2001

Technical Area: Geological Hazards

Project: FPL Tesla Project

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 (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 5.5.7 Page 5.5-25 Table 5.5-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.5-25 Section 5.5.6 Appendix A Appendix B	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 5.5.7 Page 5.5-25 Table 5.5-4	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date November 8, 2001

Technical Area: **Geologic Hazards**

Project: FPL Tesla Project

Technical Staff: \_\_\_\_\_

Project Manager: Jack Caswell

Docket: 01-AFC-20

Technical Senior: Patrick A. Pilling  
Lynn 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;	Appendix A, Appendix B	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;	Page 5.5-25 Section 5.5.6	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;	Section 5.5.7 Page 5.5-25 Table 5.5-4	Yes	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: Hazardous Materials Handling  
 Project Manager: J. Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 10/260/01  
 Technical Staff: R. Tyler  
 Technical Senior: R. Tyler

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

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 5.12	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.12-1	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.12-1	yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.12	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 5.12.2 and Appendix K-14	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.12.2	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.12.	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.12.2	Yes	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: Hazardous Materials Handling  
 Project Manager: J. Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 1 Date 10/260/01  
 Technical Staff: R. Tyler  
 Technical Senior: R. Tyler

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

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;	Section 5.12-6	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 5.12-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.12	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 5.12-2	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**  
(Six Month Expedited Process)

Revision No. 00 Date 10/26/01

Technical Area: **Hazardous Materials**

Project: Tesla Poweer Plant

Technical Staff: Rick Tyler

Project Manager: J. Caswell

Docket: 01-AFC-21

Technical Senior: Rick Tyler

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 5.12-6	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 5.12	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	
§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;		N/A	

Adequacy Issue:

Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 00 Date 10/26/01

Technical Area: **Hazardous Materials**

Project: Tesla Power Plant

Technical Staff: Rick Tyler

Project Manager: J. Caswell

Docket: 01-AFC-21

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§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.	Section 5.12	Yes	
§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	Section 5.12.1	Yes	
§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;	Section 5.121.2 Compressed Gas Storage	Yes	
§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:			

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 00 Date 10/26/01

Technical Area: **Hazardous Materials**

Project: Tesla Power Plant

Technical Staff: Rick Tyler

Project Manager: J. Caswell

Docket: 01-AFC-21

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§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	
§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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Land Use   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  October 29, 2001   
 Technical Staff:  Mark R. Hamblin   
 Technical Senior:  Eileen Allen

Project:  Tesla   
 Docket:  01-AFC-21

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.	No	<p>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.</p> <p>Please provide a copy of the Williamson Act Contract for this property.</p> <p>Please discuss how an electric power plant is permitted within a Williamson Act agricultural land preserve.</p> <p>Please discuss plans and timing for any contract cancellation proceedings with Alameda County; and potential County rezoning actions.</p> <p>Please provide a detailed discussion on compliance with Alameda County Measure D.</p>
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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  October 29, 2001

Technical Area:  Land Use

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) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Sec. 5.71.2 – 5.7.1.4, p. 5.7-5 – 5.7-8. Figure 5.7-1. Figure 5.7-2	Yes	
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and		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	No	Same information required as in earlier section Appendix B (g) (3) (a)
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  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  October 29, 2001

Technical Area:  Land Use

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. 00 Date October 30, 2001

Technical Area: **Land Use**

Project: Tesla Power Plant

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Ellen 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	
§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. Please discuss plans and timing for any contract cancellation proceedings with Alameda County; and potential County rezoning actions. Please provide a detailed discussion on compliance with Alameda County Measure D.
§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 (under land use)	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date October 30, 2001

Technical Area: Land Use

Project: Tesla Power Plant

Technical Staff: Mark R. Hamblin

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Ellen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§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 \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  00  Date  10/20/01

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 <sub>eq</sub> (equivalent sound or noise level), L <sub>dn</sub> (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L <sub>10</sub> , L <sub>50</sub> , and L <sub>90</sub> 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 \_\_\_\_\_ Inadequate  X   
 Technical Area:  Noise   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No.  00  Date  10/20/01   
 Technical Staff:  Ron Brown   
 Technical Senior:  Buntin/Alexander

Project:  Tesla Power Project (TPP)   
 Docket:  01-AFC-21

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	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	Please provide a table listing the reference titles and numbers of all Federal, State and Local LORS.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  00  Date  10/20/01

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 **X**

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date 10/20/01

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
§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	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	

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

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date November 8, 2001  
 Technical Staff: Patrick A. Pilling  
 Technical Senior: Lynn Alexander

Project: FPL Tesla  
 Docket: 01-AFC-21

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	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 X

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date November 8, 2001

Technical Area: Paleontological Resources

Project: FPL Tesla

Technical Staff: Patrick A. Pilling

Project Manager: Jack Caswell

Docket: 01-AFC-21

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 8, 2001

Technical Area: **Paleontologic Resources**

Project: FPL Tesla Project

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
§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 5.17-9, Table 5.17-1	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;	Pages 5.17-8 through 5.17-10 Section 5.17.4 through 5.17.5	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)(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. 0 Date 10/30/01

Technical Area: Project Overview

Project: Tesla FPL

Technical Staff: 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
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 1.0 pg. 1-1 through 1-12	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Section 3.0 pg. 3-1 to 3-99 Volume 2 Appendix	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Section 3.12, pg. 3-101 Section 4.5 pg. 4-9 Section 6.0 pg.6-1	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Section 7.0 pg.7-1	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 3.0 pg. 3-1 -99	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Section 3.0 pg. 3-1	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Section 3.0 Figure 3.2-1, 3.2-2	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figure 5.10 4-a KOP-1 Figure 5.10 4 b KOP-1	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10/30/01

Technical Area: Project Overview

Project: Tesla FPL

Technical Staff: 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
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix N	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Section 3.7 pg. 3-62 through 3-70 Figure 3.7-1 pg. 3-63	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Section 1.1 pg. 1-1 Section 1.2 pg. 1-1	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 1.1 pg. 1-1 Section 1.2 pg. 1-1	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Section 1.1 pg. 1-1 Section 1.2 pg. 1-1	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Section 3.2-2 pg. 3-3	Yes	
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	3.3-1 pg. 3-4 figure 3.4-1 through 3.4-3 pg. 3-6,3-8	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Section 3.4 (all) pg. 3-5 through 3-48 Section 4.0 (all) pg. 4-1 through 4.9	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10/30/01

Technical Area: Project Overview

Project: Tesla FPL

Technical Staff: 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
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Figure 3.2-2 pg. 3-3 Figure 5.7-3 pg. 5.7-5	Yes	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Figure 5.10-5a through 5.10-c pg. 5.10-29 through 5.10-31	Yes	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.			Not Applicable
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.			Not Applicable
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.			Not Applicable
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 3.10 (all) pg. 3-76 through 3-100	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No.  00  Date  10/26/01

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	No	Please provide documented evidence of property ownership.

Adequacy Issue: Adequate  Inadequate

### DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 26, 2001

Technical Area: Public Health

Project: Tesla Power Plant

Technical Staff: Alvin Greenberg

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Mike Ringer

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. 5.2.2 Sec. 5.15.1 Sec. 5.15.3 Sec. 5.15.4 Sec. 5.15.5 Sec. 5.15.6 Sec. 5.2.4	YES	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Table 5.15-2 Table 5.15-3 Table 5.15-4	YES	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 5.15.3.3 Sec. 5.15.3.4 Sec. 5.15.3.5 Sec. 5.15.3.6 Appendix K-13	YES	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Figure 5.15-1a-b	YES	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Figure 5.15-2 Table 5.15-1	YES	

Adequacy Issue: Adequate  Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 26, 2001

Technical Area: Public Health  
 Project Manager: Jack Caswell

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

Technical Staff: Alvin Greenberg  
 Technical Senior: Mike Ringer

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 6.1-1 Table 5.15-7 Sec. 5.15.2	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 5.15-7 Table 6.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table. 5.15-7 Sec. 5.15	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.	Sec. 5.15-6	YES	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 0 Date October 26, 2001

Technical Area: Public Health

Project: Tesla Power Plant

Technical Staff: Alvin Greenberg

Project Manager: Jack Caswell

Docket: 01-AFC-

Technical Senior: Mike Ringer

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. 5.15.2 Sec. 6.0 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;	Sec. 5.15.8 Table 5.15-7 Table 6.1-1	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. 5.15.2 Table 6.1-1 Table 5.15-7	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)(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;	Sec. 5.15.3.3 Sec. 5.15.3.4 Sec. 5.15.3.5	YES	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: Reliability  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date October 24, 2001  
 Technical Staff: Shahab Khoshmashrab  
 Technical Senior: Steve Baker

Project: Tesla Power Project (TPP)  
 Docket: 01-AFC-21

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.	§§ 1.1, 1.5.2, 1.5.5, 1.5.6, 1.5.7, 1.6, 1.8.5, 3.1, 3.4.2, 3.4.3 through 3.4.3.4, 3.4.4.3, 3.4.4.4, 3.4.4.5, 3.4.5, 3.4.6, 3.4.6.2, 3.4.6.3, 3.4.7, 3.4.8, 3.4.9, 3.4.10, 3.4.11, 3.6.2.3, 4.1.1, 4.1.2, 4.3, 4.3.1, 4.3.3, 4.3.4, 5.4.1.1, 5.4.1.4, 5.4.2.2, 5.5, Appendix M	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.5.2, 1.5.5, 3.4.5, 4.3.3	Yes	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.6, 3.4.2, 4.3.1	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.1, 1.5.2, 1.5.7, 3.4.2, 3.4.3 through 3.4.3.4, 3.4.5, 3.4.6.2, 3.4.6.3, 3.4.7, 3.4.8, 3.4.9	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.5.6, 1.8.5, 3.1, 3.4.6, 4.1.1, 4.3.4, 5.4.1.1, 5.4.1.4, 5.4.2.2, 5.5, Appendix M	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 3.4.4.3, 3.4.4.4, 3.4.4.5, 3.4.10, 3.4.11, 3.6.2.3, 4.1.2, 4.3	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§ 4.3.1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Socioeconomics   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  10-19-01

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

Technical Staff:  James Adams   
 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	Please provide availability of skilled workers by craft required for operation of the project;
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 X

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 10-19-01

Technical Area: Socioeconomics

Project: Tesla Power plant

Technical Staff: James Adams

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	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.
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	
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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  10-19-01

Technical Area:  Socioeconomics

Project:  Tesla Power plant

Technical Staff:  James Adams

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) (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	Please provide an estimate of the expenditures for locally purchased materials for the operation phase of the project.
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	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;
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

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 0 Date 10/31/01

Technical Area: Socioeconomics

Project: FPL Tesla Power Plant

Technical Staff: James Adams

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;	Pages 5.8-14-15 Section 5.8.7	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;	Pages 5.8-12 to 5.8-14 Section 5.8-12	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 (Folded map in pocket at end of Section 5.8)	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Soils   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date  10-26-01   
 Technical Staff:  Tony Mediati   
 Technical  Dick Anderson   
 Senior: \_\_\_\_\_

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

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	No	Please 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. Special emphasis should be placed on areas with severe erosion potential.
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:			
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	No	Please provide the quantification of accelerated soil loss due to wind and water erosion.
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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Soils   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date  10-26-01   
 Technical Staff:  Tony Mediati   
 Technical Senior:  Dick Anderson

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

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;	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	
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. \_\_\_\_\_ Date 10-26-01  
 (Six Month Expedited Process)  
 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
§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	No	Please provide a list of requirements regarding soil resources.
§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: T-Line Safety and Nuisance.  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date October 25, 2001  
 Technical Staff: Obed Odoemelam  
 Technical Senior: Mike Ringer

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

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	NA.	See TSE	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	NA.	See TSE	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	NA.	See TSE	
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	NA.	See TSE	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: T-Line Safety and Nuisance.  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date October 25, 2001  
 Technical Staff: Obed Odoemelam  
 Technical Senior: Mike Ringer

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

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.0, pages 3-55 through 3-60.	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 4.0, page 4-2 through 4-5.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 3.0, pages 3-55 through 3-61.	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, pages 6-6 and 6-7.	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.	Section 6.0, page 6-6 and 6-7.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 4.0, pages 4-8 and 4-9.	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date October 25, 2001

Technical Area: **T-Line Safety and Nuisance.**

Project: Tesla Power Plant

Technical Staff: Obed Odoemelam

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Mike Ringer

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, phones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 4.0, page 4-8.	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 4.0, page 4-8.	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date October 25, 2001

Technical Area: **Transmission Line Safety and Nuisance**

Project: Tesla Power Plant

Technical Staff: Obed Odoemelam

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Mike Ringer

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, pages 6-6 and 6-7.	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 4.0, pages 4-2 through 4-6. Section 6.0, pages 6-6 and 6-7.	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	NA	N/A	
§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 6.0, pages 6-6 and 6-7.	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)(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:			

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 00 Date October 25, 2001

Technical Area: **Transmission Line Safety and Nuisance**

Project: Tesla Power Plant

Technical Staff: Obed Odoemelum

Project Manager: Jack Caswell

Docket: 01-AFC-21

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§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	
§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 4.0, pages 4-2 through 4-6	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;		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Traffic and Transportation   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

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

Revision No. \_\_\_\_\_ Date  10/26/01   
 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. 5.11-11, 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	No	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	No	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	No	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	No	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	No	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	No	Please add a description of horizontal curvature and limited sight distance conditions on Midway Rd.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Traffic and Transportation   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

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

Revision No. \_\_\_\_\_ Date  10/26/01   
 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	No	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	No	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 \_\_\_\_\_ Inadequate  X   
 Technical Area: **Traffic and Transportation**  
 Project Manager: Jack Caswell

**DATA ADEQUACY WORKSHEET**

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

Revision No. \_\_\_\_\_ Date 10/26/01  
 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 (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 10/30/01

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
§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 5.11-7, p.5-11-16	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 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	
§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	Section 5.11	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;	Table 5.11-7, p.5-11-16	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

### DATA ADEQUACY WORKSHEET

Revision No.   00   Date   October 26, 2001  

Technical Area:   Transmission System Eng.  

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
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 3.4.4, Page 3-22 Section 3.6, Pages 3-55 to 3-61	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.4.4, Page 3-22 Section 3.6, Pages 3-55 to 3-61 System Impact/Facility Study Report, Appendix I, pages 1 to 23	No	<p>Provide Power flow diagrams (MVA, % loading &amp; per unit Voltages) 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 occur.</p> <p>Analyze system for Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related data and a list for voltage violations in the studies (Optional).</p> <p>Provide a list of contingencies evaluated for Power flow study (required) and Post-transient voltage study (Optional).</p> <p>List mitigation measures considered (required) and those <u>selected</u> (Optional) for all voltage criteria violations.</p> <p>Provide electronic copies of *.sav and *.drw PSLF files for base cases &amp; EPCL and/or AUTOCON input and output files (Optional).</p>
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 3.6.3.1, Page 3-61  System Impacts/ Facility Study report, Appendix I	No	For downstream facilities requiring reconductoring or other modifications ( refer to sections 12.3 & 12.3.2 of the system Impact Study) and for their environmental settings and impacts, provide routes and environmental analysis and any recommended mitigation measures.
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6, Pages 3-55 to 3-61	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

**DATA ADEQUACY WORKSHEET**

Revision No.   00   Date   October 26, 2001  

Technical Area:   Transmission System Eng.  

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
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, Table 6.1-1, Pages 6-1 to 6-14	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.	Section 6, Table 6.1-1, Pages 6-1 to 6-14  Section 3.11.4, Page 3-101 Appendix E	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 3.11.4, Page 3-101	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 7.0, Page 7-1, 7-2	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.	Section 3.6.1, Page 3-55	No	Indicate when preliminary approval from California Independent System Operator will be obtained.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date October 26, 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)(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 3.11.4, Page 3-101 Appendix E Section 6, 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:			
§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:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date October 26, 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)(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	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. 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 <u>selected</u> for all voltage criteria violations. g. List mitigation measures <u>selected</u> for all overload criteria violations (refer to Sections 12.3, 12.3.2 & 12.3.3 of the System Impact Study). h. Provide a list of contingencies evaluated for Power Flow and Post-transient voltage analyses. Provide electronic copies of *.sav and *.drw PSLF files for base cases and EPCL or AUTOCON input & output files (optional).
§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	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), <u>provide routes and environmental analysis (including other technical areas related to transmission) and any recommended mitigation measures.</u>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Visual Resources   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  October 26, 2001   
 Technical Staff:  Eric Knight   
 Technical Senior:  Dale Edwards

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

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	NO	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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  October 26, 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) (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	
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	NO	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  X

**DATA ADEQUACY WORKSHEET**

Revision No.  0  Date  October 26, 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 X

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date October 26, 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) (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	
§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	NO	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.
§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;		NO	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.

Adequacy Issue: Adequate  Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 26, 2001

Technical Area: Waste Management  
 Project Manager: Jack Caswell

Project: Tesla Power Plant  
 Docket: 01-AFC-

Technical Staff: Alvin Greenberg  
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sec. 3.4 Sec. 3.5 Sec. 3.6 Sec. 3.7 Sec. 5.13.2	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 3.9	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.13.1 Sec. 5.13.2.1 Sec. 5.13.2.2 Sec. 5.13.2.3 Sec. 5.13.3 Sec. 5.13.4 Sec. 5.13.5	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Sec. 5.13.1 Appendix H	YES	
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 5.13.2.1 Sec. 5.13.2.2 Sec. 5.13.2.3 Table 5.13-2	YES	

**DATA ADEQUACY WORKSHEET**

Technical Area: Waste Management  
 Project Manager: Jack Caswell

Project: Tesla Power Plant  
 Docket: 01-AFC-

Technical Staff: Alvin Greenberg  
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Sec. 5.13.1.1 Sec. 5.13.1.2 Table 5.13-1	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 5.13.2.1 Sec. 5.13.2.2 Sec. 5.13.2.3 Table 5.13-2 Sec. 5.13.3	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. 5.13.6 Table 6.1-1	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 5.13-4 Table 6.1-1	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.13.6.3 Table 6.6-1	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 5.13-3	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 5.13--4	YES	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 0 Date October 26, 2001

Technical Area: **Waste Management**

Project: Tesla Power Plant

Technical Staff: Alvin Greenberg

Project Manager: Jack Caswell

Docket: 01-AFC-

Technical Senior: Mike Ringer

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. 6.1-1 Sec. 5.13.6	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;	Sec. 5.13 Table 6.1-1	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;	Table. 5.13-4 Table 6.1-1	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X   
 Technical Area:  Water Resources   
 Project Manager:  Jack Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date  10-26-01   
 Technical Staff:  Tony Mediati   
 Technical Senior:  Dick Anderson

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

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	No	Please provide a discussion of the, 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:		Yes	
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.		No	All information required by the Regional Water Quality Control Board to apply for a National Pollutant Discharge Elimination System Permit.
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:		Yes	
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	No	Please provide the chemical and physical characteristics of the ground water bodies.
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	No	Please provide the chemical and physical characteristics of the water bodies that will receive runoff form the site or linear features.
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	No	Provide information on localized flooding as recommended in Appendix G
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:		Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate  X

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date  10-26-01

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) (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	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 3.4-15 p 3-35	Yes	
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; 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	Yes	
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	No	Please clarify how storm runoff will be directed. Discrepancies exist between the statements on page 5.4-6 and page 5.13-5
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:		Yes	
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	No	Please provide the direct, indirect and cumulative impact of the projects demand on the waterbank and other users and suppliers of the water. Please provide the project specific environmental analysis for all water to be used or exchanged and a copy of the Master Environmental Impact Report (Rosedale 2000)
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	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET**

Revision No. \_\_\_\_\_ Date 10-26-01

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) (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	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 5.4-1 p 5.4-12 Table 6.1-1 p 6-9 to 6-10	No	Please provide a DWR contract or letter describing the time frame for that contract and completion of contract issues.
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	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 5.4-1 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	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. \_\_\_\_\_ Date 10-26-01

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) (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	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 5.4.8 p 5.4-12 Table 5.4-2	No	Please provide a list of requirements regarding water resources.
§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. \_\_\_\_\_ Date 10-26-01

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)(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	
§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	No	Please provide will-serve letters for: Zone 7 Roesdale- Rio Bravo Storage Water District Please provide a DWR contract addressing the transfer of water between all districts involved.

Adequacy Issue: Adequate  Inadequate   
 Technical Area: **Worker Safety**  
 Project Manager: J. Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 8/30/01  
 Technical Staff: Rick Tyler  
 Technical Senior: Rick Tyler

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

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 5.14	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.14.1.3	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 2.0, 3.0, 4.0	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 5.14	Yes	
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);		Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)			
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);		Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);		Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		Yes	

Adequacy Issue: Adequate  Inadequate   
 Technical Area: **Worker Safety**  
 Project Manager: J. Caswell

**DATA ADEQUACY WORKSHEET**

Revision No. 0 Date 8/30/01  
 Technical Staff: Rick Tyler  
 Technical Senior: Rick Tyler

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

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;	Section 5.14.5	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 5.14-6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.14	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 5.14-6	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 5.14-7	Yes	

Adequacy Issue: Adequate  Inadequate

**DATA ADEQUACY WORKSHEET  
(Six Month Expedited Process)**

Revision No. 00 Date 10/26/01

Technical Area: **Worker Safety**

Project: Tesla Power Plant

Technical Staff: Rick Tyler

Project Manager: J. Caswell

Docket: 01-AFC-26

Technical Senior: Rick Tyler

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 8.14.4	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 8.14	Yes	