State Of California | The Resources Agency of California

Memorandum

Date : June 17, 2005
Telephone: (916) 654-4996

To : Joseph Desmond, Chairman
Jackalyne Pfannenstiel, Vice Chair
Arthur H. Rosenfeld, Ph.D., Commissioner
James D. Boyd, Commissioner
John L. Geesman, J.D., Commissioner

DOCKET
05-AFC-1
DATE JUN 17 2005
RECD. JUN 17 2005

From : California Energy Commission - Scott Matthews
1516 Ninth Street
Sacramento, CA 95814-5512
Acting Executive Director

Subject : **2nd DATA ADEQUACY RECOMMENDATION FOR THE PASTORIA ENERGY FACILITY EXPANSION PROJECT (05-AFC-1)**

The staff has completed its data adequacy review of the Pastoria Energy Facility Expansion Project Application for Certification (AFC) Supplement submitted on June 13, 2005. Staff has determined that the AFC contains all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B for the 12-month AFC process.

The applicant has also requested an expedited 6-month siting process allowed under Public Resources Code §25550. However, after review of the AFC and Supplement, staff has determined that it does not meet the data adequacy requirements of the 6-month process for transmission systems engineering because the 6-month AFC requires that the mitigation measures for all transmission system impacts be provided in the application. These are missing and not expected for at least 90 days. Therefore, staff recommends that the Energy Commission find the AFC inadequate for the 6-month process.

Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets that describe staff's findings for each information requirement that was previously deemed inadequate for either the 6-month and 12-month processes.

We have received comments from the San Joaquin Air Pollution Control District and the US Environmental Protection Agency which have both indicated that the application is complete for their purposes.

At the Energy Commission's business meeting on June 22, 2005, I will recommend that the Energy Commission accept the AFC for the 12-month process. Pursuant to Cal. Code of Regs., tit. 20, § 2023 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

If you have any questions, please call James W. Reede, Jr., Ed. D., staff's Project Manager, at (916) 653-1245.

Attachments

ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
PASTORIA ENERGY FACILITY EXPANSION PROJECT
05-AFC-1

TECHNICAL AREA	ATTACHMENT B PAGE NO.	ADEQUATE? 12-MONTH	ADEQUATE? 6-MONTH
Alternatives	1	Yes	Yes
Cultural Resources	2	Yes	Yes
Project Overview	5	Yes	Yes
Soils	8	Yes	Yes
Transmission System Engineering	10	Yes	No
Water Resources	13	Yes	Yes
6-MONTH MASTER	19		No

ATTACHMENT B

ENERGY COMMISSION STAFF'S
List of Data Inadequacies

PASTORIA ENERGY FACILITY EXPANSION PROJECT
05-AFC-1

June 17, 2005

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date June 15, 2005

Technical Area: **Alternatives** Project: Pastoria Expansion Technical Staff: James W. Reede, Jr., Ed.D

Project Manager: James W. Reede, Jr., Ed.D Docket: 05-AFC-01 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 (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.	~~5/13/05 Draft Supplement~~ 6/13/05 Supplement	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.	~~5/13/05 Draft Supplement~~ 6/13/05 Supplement	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	~~5/13/05 Draft Supplement~~ 6/13/05 Supplement	Yes	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/13/05

Technical Area: **Cultural Resources** Project: Pastoria Energy Facility 160 MW Expansion Technical Staff: Dorothy Torres

Project Manager: James Reede Docket: 05-AFC-1 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 05, p. 5.7-1 AFC 99, p. 5.7-1 Con Ap J, p. J1-J2 AFC 99, p. 5.7-30,31 Con Ap J, pJ32 & J33 & AFC Sect 5.18 AFC 99, p. 5.7-31 to p. 5.7-33 & Con Ap J, p J32-J33 AFC 05, p. 5.9-1	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.	AFC 99, p. 5.7-3 to p. 5.7-10 & Con Ap J, p. J5 to J12 AFC 99, Fig 5.7-1 & Con Ap J, Map J1.03	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.	AFC 99,p. 5.7-11 to 5.7-14 Con Ap J, p. J13-J16 AFC 99, p. 5.7-14 to 5.7-24 & Con Ap J, p. J16 to J26 AFC 99, 5.7-14 & Con Ap J, p. J16 AFC 99, 5.7-14 & Con Ap J, p. J16 Con Ap J, Appendix A AFC Vol II 05, Sect F Summary of Compliance	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/13/05

Technical Area: **Cultural Resources** Project: Pastoria Energy Facility 160 MW Expansion Technical Staff: Dorothy Torres

Project Manager: James Reede Docket: 05-AFC-1 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.	AFC 05, p. 5.7-1 AFC 99, p. 5.7-19 to 5.7-30 & Con Ap J, p. J29 to J30 Appendix J to the AFC 99, submitted 11/30/99	Yes	
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.	6/13/05 Supplement	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.	AFC 99, p. 5.7-31 to 5.7-38 & Con Ap J, p. J32 to J37 AFC 99, p. 5.7-32 & Con Ap J, p. J33 AFC 99, p. 5.7-31 to 5.7-33 & Con Ap J, p. J32-J33 AFC 99, p. 5.7-33 & Con Ap J, p. J33. AFC 05, p. 5.7-1 & 5.7-2	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;	AFC 05, p. 7-20 to 7-24	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/13/05

Technical Area: **Cultural Resources**
Project: Pastoria Energy Facility 160 MW Expansion
Technical Staff: Dorothy Torres
Project Manager: James Reede
Docket: 05-AFC-1
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.	AFC 05, p. 7-24 to 7-37	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC 05 p. 7-64 to 7-67	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.	AFC 05, p. 7-32 to 7-37	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.		N/A	

Adequacy Issue: Adequate x Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date June 15, 2005

Technical Area: **Project Overview**
James W. Reede, Jr., Ed.D

Project: Pastoria Expansion
Docket: 05-AFC-01

Technical Staff: James W. Reede, Jr. Ed.D
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
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.	VARIOUS	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	VARIOUS	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	VARIOUS	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.	VARIOUS	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.	Section3.0, pp 3-1 through 3-54	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.	Section3.0, p 3-4	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Section3.0, Figure 3.1-4	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.	Section3.0, Figure 3.1-2, Section 5.0, Figures 5.13-1, 1B, 2, 2B, 3	Yes	

Adequacy Issue: Adequate x Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date June 15, 2005

Technical Area: **Project Overview**
James W. Reede, Jr., Ed.D

Project: Pastoria Expansion
Docket: 05-AFC-01

Technical Staff: James W. Reede, Jr. Ed.D
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 (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.	~~Previously supplied during Pre-filing~~ 6/13/05 Supplement	Yes	~~The Applicant needs to submit the list in an Appendix for a complete Application~~.
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 3.0, p3-41	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 3.0, p3-2, Section 1.5, p1-5	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Section 3.0, p3-2	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 3.0, p3-2	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 3.0, Figure 3.1-4	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;	Section 3.0, Figure 3.1-1	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 3.0, pp 3-1 through 3-54	Yes	

Adequacy Issue: Adequate x Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date June 15, 2005

Technical Area: **Project Overview**
James W. Reede, Jr., Ed.D

Project: Pastoria Expansion
Docket: 05-AFC-01

Technical Staff: James W. Reede, Jr. Ed.D
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 (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).	Section3.0, Figure 3.1-4 & 4A	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.	Section3.0, Figure 3.1-3	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		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		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		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, pp 3-53 & 54	Yes	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Soils** Project: Pastoria Expansion Technical Staff: Linda Bond

Project Manager: James W. Reede, Jr. Ed.D Docket: 05-AFC-1 Technical Senior: Natasha Nelson

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.	The Applicant provides information on soils in Volume I, Section 5.5, pages 5.4-1 to 5.4-2; Volume I, Section 7, Table 7-1, pages 7-11 to 7-12 and pages 7-32 to 7-37; Volume II, Attachment C, Section 5.4, pages 5.4-1 to 5.4-25; and Volume I, Section 9, Conditions of Certification, Soil & Water 1, 2, 3 and 4, pages 57 to 59	~~No~~ Yes	~~See specific information needs below.~~
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:		Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Volume II, Attachment C, Section 5.4, Table 5.4-2 A map is provided in Volume II, Attachment C, Section 5.4, Maps 1, 2, 3 and 4.	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.	Volume II, Attachment C, Section 5.4.2.1.1, pages 5.4-5 to 5.4-6	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:		Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Volume II, Attachment C, Section 5.4.2.1, page 5.4-4 (calculations not required)	Yes	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	6/13/05 Supplement	~~No~~ Yes	~~The effect of emissions of PEF Expansion on surrounding soil-vegetation systems.~~

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Soils**
Project Manager: James W. Reede, Jr. Ed.D

Project: Pastoria Expansion
Docket: 05-AFC-1

Technical Staff: Linda Bond
Technical Senior: Natasha Nelson

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;	LORS are identified in Volume I, Section 7, Table 7-1, pages 7-11 to 7-12, 6/13/05 Supplement	~~No~~ Yes	~~A discussion of the applicability of each law or standard listed in Table 7-1 to the proposed project. (The discussion provided in the text of Section 7 is incomplete and some of the LORS listed appear to not be applicable to this project.)~~
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.	Agencies are identified in Volume I, Section 7, Table 7-1, pages 7-11 to 7-12	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	6/13/05 Supplement	~~No~~ Yes	~~A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(B). (The limited comments provided in the text of Section 7 do not address the conformity of the project with the requirements of each of the LORS listed.)~~
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.	Contact information is provided in Volume I, Section 7, pages 7-32 to 7-37	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.	6/13/05 Supplement	~~No~~ Yes	~~List any required permits outside the authority of the commission and provide schedule. Alternatively, if no outside permits are required, provide explicit statement to explain.~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 2 Date 6/15/05

Technical Area: **Transmission System Engineering**

Project: Pastoria Energy Facility Expansion

Technical Staff: Mark Hesters

Project Manager: James Reede

Docket: 05-AFC-1

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.	Page 3-36 6/13/05 Supplement	~~No~~ Yes	~~Describe the step-up transformer and linear facilities that will connect the new CTG to the new circuit breaker at the power plant switchyard.~~
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.	6/13/05 Supplement	~~No~~ Yes	~~Provide a list of any additional generating facilities planned in the region and the extent to which the transmission facilities for the PEF expansion have been designed, planned and routed to meet any additional transmission requirements created by the other projects.~~
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	System Impact Study 6/13/05 Supplement	~~No~~ Yes	~~The System Impact Study did not identify mitigation for overloads and did not include load flow diagrams.~~
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.	3-36	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 2 Date 6/15/05

Technical Area: **Transmission System Engineering**

Project: Pastoria Energy Facility Expansion

Technical Staff: Mark Hesters

Project Manager: James Reede

Docket: 05-AFC-1

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 (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.	6/13/05 Supplement	~~No~~ Yes	~~Provide the locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project. This information was provided in figure 3-4.1 of the AFC application for the Pastoria Energy Facility.~~
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.			Covered in TLS&N
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.			Covered in TLS&N
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;	6/13/05 Supplement	~~No~~ Yes	~~Need to state project (step-up transformer, transmission line to the power plant switchyard and new circuit breaker) will comply with applicable laws, ordinances, regulations and standards.~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 2 Date 6/15/05

Technical Area: **Transmission System Engineering**

Project: Pastoria Energy Facility Expansion

Technical Staff: Mark Hesters

Project Manager: James Reede

Docket: 05-AFC-1

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) (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.	6/13/05 Supplement	~~No~~ Yes	~~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.~~
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	6/13/05 Supplement	~~No~~ Yes	~~Need to state project will comply with applicable laws, ordinances, regulations and standards.~~
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.		NA	
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.	6/13/05 Supplement	~~No~~ Yes	~~Indicate when preliminary and final interconnection approval are expected from the CA-ISO.~~

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Water Resources** Project: Pastoria Expansion Technical Staff: Linda Bond

Project Manager: James W. Reede, Jr. Ed.D Docket: 05-AFC-1 Technical Senior: Natasha Nelson

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.	Applicant has not prepared their own discussion of impacts but instead simply states that there will be no impacts (Volume I, Section 5.5.2, page 5.5-2). However, the AFC does include some relevant discussion to the proposed project in the CEC description of the existing project, which is provided in Volume I, Section 9, CEC Presiding Members Decision, Section VII Environmental Assessment, Soil and Water Resources, page 191.	~~No~~ Yes	~~See specific information needs below.~~
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:		----	
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Not Applicable	N/A	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Not Applicable	N/A	
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:	Partial description of hydrologic setting is found in Volume II, Attachment D, Section 5.5.1.1.2, page 5.5-2 to 5.5-3	----	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Volume II, Attachment D, Section 5.5.1.1.2, page 5.5-3 Volume II, Attachment B, Section 5.3.1.1.3, pages 5.3-3 to 5.3-17 6/13/05 Supplement	~~No~~ Yes	~~Description of chemical characteristics of groundwater.~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Water Resources** Project: Pastoria Expansion Technical Staff: Linda Bond

Project Manager: James W. Reede, Jr. Ed.D Docket: 05-AFC-1 Technical Senior: Natasha Nelson

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) (ii)	Surface water bodies; and	Volume II, Attachment D, Section 5.5.1.1.2, page 5.5-3 Map: Volume I, Section 1.3, Figure 1.3-4A 6/13/05 Supplement	~~No~~ Yes	~~Description of chemical characteristics of Pastoria Creek.~~
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Volume II, Attachment D, Section 5.5.1.1.2, page 5.5-2 Volume II, Attachment A, Section 3.5.8, pages 3.5-5 Volume II, Attachment B, Section 5.3.1.1.6, page 5.3-18. 6/13/05 Supplement	~~No~~ Yes	~~Information provided is incomplete and outdated. Required information: An Appendix M is referenced in Section 5.5.1.1.2 but omitted from submittal. Also required is the Flood Inundation Study and Hydrology and Hydraulics Analysis (Calpine, July 2001), which provides updated information.~~
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:		----	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Water Resources** Project: Pastoria Expansion Technical Staff: Linda Bond

Project Manager: James W. Reede, Jr. Ed.D Docket: 05-AFC-1 Technical Senior: Natasha Nelson

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;	Description of water use and discharge is discussed in Volume I, Section 3.4.8.1, page 3-16 and Volume II, Attachment D, Section 5.5.1.1.1, page 5.5-1 Source of water is discussed in Volume I, Section 3.4.8.1.2, page 3-17 and Volume II, Attachment D, Section 5.5.1.1.1, page 5.5-1 Applicant has not prepared their own discussion of alternatives. However, the CEC discussion of other sources and feasibility for the original project is provided in Volume I, Section 9, CEC Presiding Members Decision, Section VII Environmental Assessment, Soil and Water Resources, pages 190-193.	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Volume I, Section 3, Table 3.4.8-2 and Table 3.4.8-3, pages 3-18 to 3-20	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	Demand for operation listed in Volume I, Section 4.4.8.1, Table 3.4.8-1, page 3-16. 6/13/05 Supplement	~~No~~ Yes	~~Average and maximum daily and annual water demand and waste water discharge for construction.~~

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Water Resources** Project: Pastoria Expansion Technical Staff: Linda Bond

Project Manager: James W. Reede, Jr. Ed.D Docket: 05-AFC-1 Technical Senior: Natasha Nelson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Volume I Conveyance – Section 5.5, page 5.5-1 Treatment – Section 3.4.8.4, page 3-17. Discharge - Volume I, Section 5.5.3, page 5.5-2 states that the project proposes to comply with the existing PEF Conditions of Certification. Volume I, Section 9, Conditions of Certification, Soil & Water 6, page 59, indicates that project will use zero liquid discharge. Mass Balance Diagram – Section 3, Figure 3.4-5 following page 3-16	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:		----	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Some discussion of runoff and drainage is provided in Volume II, Attachment D, Section 5.5.1.1.2, page 5.5-2 Precipitation is discussed in Volume II, Attachment D, Section 5.5.1.1.2, page 5.5-3 6/13/05 Supplement	~~No~~ Yes	~~A description of storm runoff patterns. Runoff information provided is incomplete and outdated. An Appendix M is referenced in Section 5.5.1.1.2 but omitted from submittal. Also required is the Flood Inundation Study and Hydrology and Hydraulics Analysis (Calpine, July 2001), which provides updated information.~~
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Volume II, Attachment D, Section 5.5.2.1.2, page 5.5-7 6/13/05 Supplement	~~No~~ Yes	~~The Appendix M, referenced in Section 5.5.1.1.2, and Flood Inundation Study and Hydrology and Hydraulics Analysis (Calpine, July 2001).~~
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:		----	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Water Resources**
Project Manager: James W. Reede, Jr. Ed.D

Project: Pastoria Expansion
Docket: 05-AFC-1

Technical Staff: Linda Bond
Technical Senior: Natasha Nelson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Applicant has not prepared their own discussion of effects of project demand on other users, however the AFC includes the CEC discussion of effects in Volume I, Section 9, CEC Presiding Members Decision, Section VII Environmental Assessment, Soil and Water Resources, pages 186-187.	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Volume I, Section 5.5.2, page 5.5-2 Volume II, Appendix D, Section 5.5.2.1.2	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	6/13/05 Supplement	~~No~~ Yes	~~The effects of the project on the 100-year flood plain or other water inundation zones.~~
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;	LORS are identified in Volume I, Section 7, Table 7-1, pages 7-13 to 7-18 6/13/05 Supplement	~~No~~ Yes	~~A discussion of the applicability of each law or standard listed in Table 7-1 to the proposed project. (The discussion provided in the text of Section 7 is incomplete and some of the LORS listed appear to not be applicable to this project.)~~
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.	Agencies are identified in Volume I, Section 7, Table 7-1, pages 7-13 to 7-18 6/13/05 Supplement	Yes	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 6/15/05

Technical Area: **Water Resources**
Project Manager: James W. Reede, Jr. Ed.D

Project: Pastoria Expansion
Docket: 05-AFC-1

Technical Staff: Linda Bond
Technical Senior: Natasha Nelson

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).	6/13/05 Supplement	~~No~~ Yes	~~A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). (The limited comments provided in the text of Section 7 do not address the conformity of the project with the requirements of each of the LORS listed.)~~
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.	6/13/05 Supplement	~~No~~ Yes	~~Contact information for the following agencies listed in Table 7-1 is either omitted or incomplete: EPA, State Water Resources Control Board, Kern County Water Agency, Governor's office of Emergency Services.~~
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.	6/13/05 Supplement	~~No~~ Yes	~~List any required permits outside the authority of the commission and provide schedule. Alternatively, if no outside permits are required, provide explicit statement to explain.~~

Adequacy Issue: Adequate ___ Inadequate X

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

Technical Area: **6-MONTH MASTER** Project: Pastoria Energy Facility Expansion Project Technical Staff: James W. Reede, Jr. Ed.D

Project Manager: James W. Reede, Jr., Ed.D Docket: O5-AFC-1 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;	6/13/05 Supplement	~~No~~ Yes	~~LORS are missing from the following areas:~~ ~~1. Transmission Systems Engineering~~ ~~2. Soils~~ ~~3. Water Resources~~
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	6/13/05 Supplement	~~No~~ Yes	~~Soils & Water Resources~~ ~~The AFC does not identify which of the LORS listed in Table 7-1 are applicable or discuss how the project conforms to applicable LORS requirements.~~ • ~~Identify the LORS listed in Table 7-1 that are applicable to the proposed project.~~ • ~~Identify the processes and/or permits that ensure compliance with LORS that are applicable.~~ ~~Transmission Systems Engineering~~ ~~The Step-up transformer, transmission line from the new CTG to the power plant switchyard and the new circuit breaker at the power plant switchyard will need to comply with applicable LORS. Provide a list of the applicable LORS and discuss compliance.~~
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and			N/A

Adequacy Issue: Adequate ___ Inadequate X

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

Technical Area: **6-MONTH MASTER** Project: Pastoria Energy Facility Expansion Project Technical Staff: James W. Reede, Jr. Ed.D

Project Manager: James W. Reede, Jr., Ed.D Docket: O5-AFC-1 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 7.0 6/13/05 Supplement	Yes ~~No~~	~~List is incomplete for, Soils, Water Resources and Transmission Systems Engineering.~~
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	Section 5.2.5.4.4 pgs 5.2-42, -43.	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 NO2, SO2, CO, and PM10;	Section 5.2.5.3.3 pgs 5.2-40 to 5.2-42 Air Quality Technical Report Appendix B Electronic Modeling Files Additional Information Letter Dated 5/18/05 from Sierra Research	Yes	

Adequacy Issue: Adequate ___ Inadequate X

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

Technical Area: 6-MONTH MASTER

Project: Pastoria Energy Facility Expansion Project

Technical Staff: James W. Reede, Jr. Ed.D

Project Manager: James W. Reede, Jr., Ed.D

Docket: O5-AFC-1

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)(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;	Air Quality Technical Report Appendix D, pg D-2	Yes	
§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;	Air Quality Technical Report Appendix C	Yes	
§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);	Volume I, Section 5.5.3, page 5.5-2 states that the project proposes to comply with the existing PEF Conditions of Certification. Volume I, Section 9, Conditions of Certification, Soil & Water 6, page 59, indicates that project will use zero liquid discharge.	Yes	
§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;	Vol. I § 5.6 Vol. II Attachment E, Biological Resources from 99-AFC-7 § 5.6	Yes	

Adequacy Issue: Adequate ____ Inadequate X

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

Technical Area: 6-MONTH MASTER

Project: Pastoria Energy Facility Expansion Project

Technical Staff: James W. Reede, Jr. Ed.D

Project Manager: James W. Reede, Jr., Ed.D

Docket: O5-AFC-1

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)(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 5.15.2.3	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 within1000 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 5.15.1	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;	Table 3.4.10-2	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 X

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

Technical Area: **6-MONTH MASTER** Project: Pastoria Energy Facility Expansion Project Technical Staff: James W. Reede, Jr. Ed.D

Project Manager: James W. Reede, Jr., Ed.D Docket: O5-AFC-1 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)(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	6/13/05 Supplement	No	The Transmission System Impact Study (SIS) must have been reviewed at least once by the CA ISO. The SIS was submitted to the CEC and CAISO on ~~May 16~~, June 13, 2005, however, until comments are received from the CAISO on the completeness of the SIS the AFC staff cannot make a recommendation for data adequacy for the 6-Month process.
§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 joint with the interconnected system;	6/13/05 Supplement	No	The SIS indicates the need for downstream facilities and a CAISO waiver for potential overloads. Note: Without the interconnection study and identification of mitigation measures it is not known whether or not facilities beyond the point where the outlet line joins with the interconnected system will be required. This is a complex case due to the potential for severe overloads, additional studies needed and potential downstream upgrades or new transmission facilities. Reconductoring of an existing line or construction of a new line is a reasonably foreseeable facility and requires environmental info per our 6-month Regs.
§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 X

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

Technical Area: **6-MONTH MASTER** Project: Pastoria Energy Facility Expansion Project Technical Staff: James W. Reede, Jr. Ed.D

Project Manager: James W. Reede, Jr., Ed.D Docket: O5-AFC-1 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)(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;		Yes	The Energy Commission Cartography Unit will produce these maps
§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		Yes	The Energy Commission Cartography Unit will produce these maps
§2022(b)(4)(C) (Public Health)	Identification of available health studies concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site;	N/A		
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and	Section 3.0, p. 3-2	Yes	

Adequacy Issue: Adequate ___ Inadequate **X**

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 01 Date June 15, 2005

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Project Manager: James W. Reede, Jr., Ed.D Docket: O5-AFC-1 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)(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.	~~Volume I, Section 1.8, page 1-7 references water plan discussed in the Presiding Members Decision and unnamed contractual documents submitted with PEF AFC~~ Email dated 6/16/05 Water Contract – Primary Water Contract – Back-up	Yes ~~No~~	~~Will-serve letters for primary and backup water supplies.~~

State Of California

The Resources Agency Of California

Memorandum

Date: June 15, 2005
Telephone: 653-1245

To: Scott Matthews
Acting Executive Director

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

Terry O'Brien, Deputy Director
Systems Assessment and Facilities Siting Division

Subject : **AGENDA ITEM FOR THE JUNE 22, 2005 BUSINESS MEETING – ENERGY COMMISSION CONSIDERATION OF THE EXECUTIVE DIRECTOR'S DATA ADEQUACY RECOMMENDATION FOR THE PASTORIA ENERGY FACILITY EXPANSION PROJECT APPLICATION FOR CERTIFICATION (DOCKET NO. 05-AFC-1)**

SUMMARY

On April 29, 2005, Pastoria Energy Facility Expansion Project filed an Application for Certification (AFC) seeking a 6-month certification from the Energy Commission to construct and operate an additional 160 MW facility at the same site that was analyzed and licensed as part of Pastoria Energy Facility (99-AFC-7). At the June 8, 2005, Commission Business Meeting, the Commission adopted staff's recommendation to find the AFC inadequate for both the 6-month and 12-month processes. On June 13, 2005, the Applicant filed a Supplement to the AFC. Staff is reviewing the Supplement for completeness and will have a new data adequacy recommendation for the June 22, 2005 business meeting.

The proposed project incorporates one additional natural gas-fired, F-Class combustion turbine generator operating in simple-cycle with the original three-unit 750 MW combined cycle Pastoria Energy Facility. The new unit will use Selective Catalytic Reduction emission control technology as Best Available Control Technology (BACT) to minimize gas turbine emissions. No new offsite facilities will be required for the expansion.

The purpose of this agenda item is to request that the Energy Commission consider the Executive Director's data adequacy recommendation.

PROJECT MANAGER

The staff contact person for this item is James W. Reede, Jr., Ed.D, at 653-1245.

STAFF'S POSITION

Staff's position will be contained in the Executive Director's recommendation.

ORAL PRESENTATION

Executive Director's recommendation by staff – 10 Minutes.

BUSINESS MEETING PARTICIPANTS

Staff: James W. Reede, Jr. Ed.D, Siting Project Manager
Kerry Willis, Staff Counsel

ACTION REQUESTED

Staff requests that the Energy Commission adopt the recommendation.

State Of California | The Resources Agency Of California

Memorandum

Date: June 15, 2005
Telephone: 653-1245

To: Scott Matthews
Acting Executive Director

From: California Energy Commission - 1516 Ninth Street Sacramento 95814-5512
Terry O'Brien, Deputy Director
Systems Assessment and Facilities Siting Division

Subject : **AGENDA ITEM FOR THE JUNE 22, 2005, BUSINESS MEETING – POSSIBLE APPOINTMENT OF A COMMITTEE FOR THE PASTORIA ENERGY FACILITY EXPANSION PROJECT APPLICATION FOR CERTIFICATION PROCEEDING (DOCKET NO. 05-AFC-1)**

SUMMARY

On April 29, 2005, Pastoria Energy Facility Expansion Project filed an Application for Certification (AFC) seeking a 6-month certification from the Energy Commission to construct and operate an additional 160 MW facility at the same site that was analyzed and licensed as part of Pastoria Energy Facility (99-AFC-7). At the June 8, 2005, Commission Business Meeting, the Commission adopted staff's recommendation to find the AFC inadequate for both the 6-month and 12-month processes. On June 13, 2005, the Applicant filed a Supplement to the AFC. Staff is reviewing the Supplement for completeness and will have a new data adequacy recommendation for the June 22, 2005 business meeting.

The proposed project incorporates one additional natural gas-fired, F-Class combustion turbine generator operating in simple-cycle with the original three-unit 750 MW combined cycle Pastoria Energy Facility. The new unit will use Selective Catalytic Reduction emission control technology as Best Available Control Technology (BACT) to minimize gas turbine emissions. No new offsite facilities will be required for the expansion.

The purpose of this agenda item is to request that the Energy Commission appoint a Committee for the proceeding if the Application for Certification is deemed data adequate.

PROJECT MANAGER

The staff contact person for this item is James W. Reede, Jr., Ed.D, at 653-1245.

STAFF'S POSITION

We recommend that a committee be assigned to the proceeding at the business meeting in which the AFC is deemed data adequate.

ORAL PRESENTATION

None

BUSINESS MEETING PARTICIPANTS

Staff: James W. Reede, Jr., Ed.D, Siting Project Manager
Kerry Willis, Staff Counsel

ACTION REQUESTED

We recommend that a committee be assigned to the proceeding at the business meeting in which the AFC is deemed data adequate.