

Memorandum May 2, 2001

Date : April 26, 2001
Telephone: (916) 657-4394
File:

To : William J. Keese, Chairman
Michal C. Moore, Commissioner
Robert A. Laurie, Commissioner
Robert Pernell, Commissioner
Art Rosenfeld, Commissioner

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

Subject : **EAST ALTAMONT ENERGY CENTER DATA ADEQUACY RECOMMENDATION**

On March 29, 2001, East Altamont Energy Center, LLC (applicant) filed an Application for Certification (AFC) seeking approval from the California Energy Commission to construct and operate a nominal 1,100 MW power plant called the East Altamont Energy Center (EAEC). Based on staff's analysis at this time, the AFC does not meet the requirements of California Code of Regulations, title 20, Section 1704, Appendix B, for the 12-month AFC. We therefore, recommend that the Energy Commission find the AFC inadequate and adopt the enclosed list of deficiencies.

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 is inadequate.

At the Energy Commission's business meeting on May 2, 2001, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to California Code of Regulations, title 20, Section 1709 (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 Cheri Davis, staff's Project Manager, at (916) 657-4394.

Steve Larson
Executive Director

Attachments

**ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
East Altamont Energy Center
01-AFC-4**

TECHNICAL AREA	ATTACHMENT PAGE NO.	ADEQUATE?
Project Overview	4	Yes
Air Quality	8	No
Biological Resources	13	No
Cultural Resources	18	No
Hazardous Materials Handling	22	Yes
Land Use	25	No
Noise	28	No
Public Health	32	Yes
Socioeconomics	34	No
Soils	38	No
Traffic and Transportation	41	No
T-Line Safety and Nuisance.	44	Yes
Visual Resources	47	No
Waste Management	49	Yes
Water Resources	53	No
Worker Safety	59	Yes
Efficiency	61	No
Facility Design	63	No
Geological Hazards	66	Yes
Paleontological Resources	68	Yes
Reliability	71	Yes
Transmission System Eng.	73	No
Alternatives	76	Yes

ATTACHMENT B

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**East Altamont Energy Center
01-AFC-4**

April 27, 2001

Adequacy Issue: Adequate x Inadequate _____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

Project: East Altamont (EAEC)

Technical Staff: Cheri Davis

Project Manager: Cheri Davis

Docket: 01-AFC-4

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.	Entire AFC	See other worksheets	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	See other worksheets	
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	Entire AFC	See other worksheets	
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.	Entire AFC	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.	Pages 2-1 – 2-32 Sections 2.0 – 2.5	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.	Figures at the back of Appendix 1B	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Figure 2.1-1	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

Project: East Altamont (EAEC)

Technical Staff: Cheri Davis

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figures 8.11-3a through 8.11-8b	See Visual Worksheet	
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 1B	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Page 1-3 Section 1.2	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.	Pages 1-1 and 1-3 Section 1.1 and 1.3.1	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Page 1-3 Section 1.3.2	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).	Pages 1-1 and 1-3 Section 1.1 and 1.3.1	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;	Figures at the back of Appendix 1B	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

Project: East Altamont (EAEC)

Technical Staff: Cheri Davis

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Figure 2.2-1, 2.2-2, 2.2-3, 5.1-2	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	Entire AFC	See other worksheets	
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 5.1-1	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.	Figures 8.11-4a, 8.11-4b, 8.11-5a, 8.11-5b	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	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

Project: East Altamont (EAEC)

Technical Staff: Cheri Davis

Project Manager: Cheri Davis

Docket: 01-AFC-4

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 (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.	Page 4-1 Sections 4.1 – 4.2	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Air Quality
 Project Manager: CHERI DAVIS

DATA ADEQUACY WORKSHEET

Revision No. _____ Date APRIL 11, 2001
 Technical Staff: TUAN NGO, P.E.
 Technical Senior: KEITH GOLDEN

Project: EAST ALTAMONT ENERGY CENTER
 Docket: 01-AFC-4

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 8.1.1 to 8.1.3, pp. 8.1-1 to 8.1-11 Section 8.1.5, pp. 8.1-20 to 8.1-46 Appendix 8.1E Appendix 8.1H Section 8.1.6.3 pp. 8.1-46 to 8.1-50	No	<ul style="list-style-type: none"> An analysis of the project indirect impacts such as those caused by the transportation of supplies and ammonia to the facility. A discussion of the effectiveness of the proposed measures and monitoring plan to verify the effectiveness of the mitigation.
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Section 8.1.6.3 pp. 8.1.46 to 8.1.50	N/A	Staff anticipates a notification from the District to alert the applicant of the completeness of the application by May 20, 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.	Section 8.1.5, Table 8.1-15, Table 8.1-24. Appendix 8.1A, Tables 8.1A-1 to 8.1A-5 Appendix 8.1B, Table 8.1B-2	No	A fuel gas analysis, which includes heating value and sulfur content.
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 8.1.6.3 pp. 8.1-46 to 8.1.50	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.	Appendix 8.1A, Table 8.1A-3	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.	Section 8.1.5, Tables 8.1-16 to 8.1-21 pp. 8.1-25 to 8.1-27	No	An estimate of criteria air contaminants emissions from secondary sources (transportation, delivery of ammonia, etc.) associated with the operation of the power plant.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Air Quality
 Project Manager: CHERI DAVIS

DATA ADEQUACY WORKSHEET

Project: EAST ALTAMONT ENERGY CENTER
 Docket: 01-AFC-4

Revision No. _____ Date APRIL 11, 2001
 Technical Staff: TUAN NGO, P.E.
 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) (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.	Section 8.1.5, pp. 8.1-26 to 8.1-27, Table 8.1-20	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 8.1.5, pp. 8.1-36 to 8.1-40.	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.	Section 8.1.5, pp. 8.1-31.	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 8.1.5, pp. 8.1-31. Appendix 8.1B.	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Air Quality
 Project Manager: CHERI DAVIS

DATA ADEQUACY WORKSHEET

Project: EAST ALTAMONT ENERGY CENTER
 Docket: 01-AFC-4

Revision No. _____ Date APRIL 11, 2001
 Technical Staff: TUAN NGO, P.E.
 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)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:		Yes	
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Appendix 8.1E	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 8.1.5, pp. 8.1-20 to 8.1-46. Appendix 8.1B	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Air Quality
 Project Manager: CHERI DAVIS

DATA ADEQUACY WORKSHEET

Project: EAST ALTAMONT ENERGY CENTER
 Docket: 01-AFC-4

Revision No. _____ Date APRIL 11, 2001
 Technical Staff: TUAN NGO, P.E.
 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) (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.	Appendix 8.1H	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;	Section 8.1.6.3, Table 8.1-38	Yes	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	AFC Supplemental Submittal (March 29, 2001)	Yes	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	AFC Supplemental Submittal (March 29, 2001)	Yes	
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.		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 8.1.4.2, Table 8.1-14, pp.8.1-15 to 8.1-23.	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Air Quality
 Project Manager: CHERI DAVIS

DATA ADEQUACY WORKSHEET

Project: EAST ALTAMONT ENERGY CENTER
 Docket: 01-AFC-4

Revision No. _____ Date APRIL 11, 2001
 Technical Staff: TUAN NGO, P.E.
 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) (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 8.1.4.2, Table 8.1-12.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.1.6, pp. 8.1-46 to 8.1-53.	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 8.1.4.2, Table 8.1-12.	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.	Section 8.1.6.3, pp. 8.1-46 to 8.1-53.	Yes	

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

DATA ADEQUACY WORKSHEET

Revision No. 1 4/24/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Dr. Jim Brownell

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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.	Existing site conditions: Sec. 8.2.1 , pp. 2-4. Project impacts: Sec 8.2.2 pp.16-22; Sec 8.2.4 pp. 28-29; Table 8.2-2 Mitigation plan: Sec 8.2.3 pp. 22-29.; Appendix 8.2E Monitoring plan: Sec 8.2.3.1 p. 22; Appendix 8.2E	Yes	
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.	Biological overview: Sec 1.1 pp. 1-3, Sec. 1.5.4 page 6. Map1.1-1 Sec. 8.2.1, pp. 1-4. Map: 8.2-1 Sensitive species: Sec. 8.2 pp. 1-14. Map: 8.2-2 Appendix 8.2B	Yes	

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

DATA ADEQUACY WORKSHEET

Revision No. 1 4/24/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Dr. Jim Brownell

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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) (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 the 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.	Map: 8.2-2 Discussion of biological resources: Sec. 8.2 pp. 1-14. List of observed species: Lists of potential species Table 8.2-1A Table 8.2.-1B Special Status Species: Appendix 8.2A and 8.2C Native Plants: Appendix 8.2B	No	Please provide a complete list of species actually observed by surveyors in power plant area and along proposed linears (pipelines).
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 Native Species Field Survey Forms", and "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: Sec. 8.2 page 1. NDDB: Appendix 8.2A California Native Plant Soc: Appendix 8.2B California Native Species Field Survey Forms: CA Natural Community Field Survey Forms: Study Methods: Personnel: Sec. 8.2 p.22. Appendix 8.2D	No	Please provide both the 1) California Native Species Field Survey Forms and 2) California Natural Community Field Survey Forms for the sensitive species found during biological surveys at the proposed project site and proposed linears. Please provide a detailed report of survey methods including exact areas covered by each of the surveys (maps would be appropriate) , the hourly duration of surveys, time of day/night of survey, the numbers of surveyors per survey effort, and rationale for surveying method used. Include evidence that protocols were used for sensitive species which require them.

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

DATA ADEQUACY WORKSHEET

Revision No. 1 4/24/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Dr. Jim Brownell

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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) (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 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.	Permanent and Temporary: Impacts: Sec 8.2 pp.16-22, p.25-29. Table 8.2-2 Cumulative Impacts: Sec. 8.2 p.28-29. Cooling Tower Drift: Sec 8.2 p.25-26.	Yes	
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;	Mitigation: Sec 8.2.3, pp.22-29. Appendix 8.2E	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Off-site mitigation: Sec 8.2.3	No	No discussion provided for off-site mitigation. Please provide a discussion of any off-site mitigation considered for the project site and related facilities. If off-site mitigation was excluded as a form of mitigation for habitat loss, please discuss the bases for this conclusion.
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Education Program: Sec 8.2.3.1, p. 22.	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance and monitoring: Sec 8.2.3 p. 22. Appendix 8.2E Outline of BRMIMP	Yes	

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

DATA ADEQUACY WORKSHEET

Revision No. 1 4/24/01
 Technical Staff: Andrea Erichsen
 Technical Senior: Dr. Jim Brownell

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Sec.8.2.1.5, page 15.	Yes	
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;	Sec 8.2, pp. 4-15. Appendices: 8.2A, 8.2B	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Sec. 8.2, pp. 4-15. Table 8.2-1A	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Sec. 8.2, pp. 4-15. Table 8.2-1A Map 8.2-2	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;	LORS matrix: Sec. 8.2.5, page 29. Table 8.2-3.	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.	Agency Permits: Sec. 8.2.5 Table 8.2-4.	Yes	

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

DATA ADEQUACY WORKSHEET

Revision No. 1 4/24/01
 Project: East Altamont Energy Center Technical Staff: Andrea Erichsen
 Docket: 01-AFC-4 Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS compliance: Sec. 8.2.5, page 29. Table 8.2-3	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.	Agency Contacts: Sec. 8.2.7. Table 8.2-5	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.	Permit Schedule: Sec. 8.2.6 Table 6.2-4	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 4/25/01
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

Project: East Altamont
 Docket: 01-AFC-4

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 Vol 1, p. 8.3-2 & 1-1 to 1-3 AFC Vol 1, p. 8.3-15 AFC Vol 1, p. 8.3-16 to 20	No	Please amend the discussion of the expected direct, indirect and cumulative impacts to include any additional cultural resources identified as a result of your response to Appendix B (g) (2) (B).
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 Vol 1, p. 38.3-3 to 8.3-10 AFC Vol 1, Fig 8.3-2	No	Please add any buildings, objects, structures, sites and districts identified as a result of the response to Appendix B (g) (2) (B) to the summary of the ethnology, prehistory and history of the region. .

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 4/25/01
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

Project: East Altamont
 Docket: 01-AFC-4

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) (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 Vol 1, p. 8.3-3 to 8.3-10 AFC Vol 1, p. 8.3-12 to 15 AFC Vol 1, p. 8.3-12	No	There is information that on page 8.3-14 regarding the recycled water supply line that indicates alignments 4a and 4b were not surveyed by the applicant because they had been previously surveyed. If the previous surveys were completed within the last five years, please submit copies of the surveys. If the surveys were conducted five years ago or more, please conduct a new survey. The level of detail, provided in the cultural resources survey discussion concerning known cultural resources in the project vicinity, is not sufficient for staff to begin an analysis. Please provide a more detailed discussion and characterization of the built environment (buildings, structures, objects, sites and districts) in the project and linear area. The discussion should include, but not be limited to the Clinton Court Forebay, the aqueduct and the Delta-Mendota Canal. Also include existing railroad lines, transmission lines and any support facilities for transmission lines.
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 Vol 1, p 8.3-11 & 12 Confidential filing Fig. 8.3-4.	NO	Please provide a confidential filing that discusses the location of previously identified cultural resources in relation to the project and project features. Provide the distance of each cultural resource in feet or meters from the project site and project elements. Provide records for any cultural resources (preferably on a Department of Parks and Recreation 523 A form) within or adjacent to the APE as defined on page 8.3-2.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET
 Project: East Altamont
 Docket: 01-AFC-4

Revision No. 3 Date 4/25/01
 Technical Staff: Dorothy Torres
 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) (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.	AFC Vol 1, p. 8.3-15	No	Page 8.3-15 of the Cultural Resources Section indicates that one Native American was notified concerning the project. Please provide 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. It appears that the project will affect areas in Alameda, Contra Costa and San Joaquin Counties.
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 Vol 1, Table 8.3-3 AFC Vol 1, p. 8.3-20 to p. 8.3-27	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 Vol 1, p. 8.3-28 & 8.3-29	No	There is considerable general discussion in the AFC concerning what will transpire, if permits are necessary. Please identify, what permits will be required for this project and what agency or agencies will need to issue those permits. If no permits will be required for this project, please make that statement.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Cultural Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 3 Date 4/25/01
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

Project: East Altamont
 Docket: 01-AFC-4

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 Vol 1, p. 8.3-28 & 8.3-29	No	If permits will need to be obtained for this project, please identify agencies with jurisdiction to issue applicable permits and approvals or to enforce identified law.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol 1, p. 8.3-20 to 8.3-27	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 Vol 1, Table 8.3-4, p. 8.3-28	No	If permits will need to be obtained for this project, please identify contacts for permits.
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.		No	Please provide a schedule indicating when permits will be obtained. If it will not be necessary to obtain any permits, please make that statement.

Adequacy Issue: Adequate Inadequate
 Technical Area: **Hazardous Materials Handling**
 Project Manager: C. Davis

DATA ADEQUACY WORKSHEET

Project: E. Altamont Energy Center
 Docket: 01-AFC-4

Revision No. 1 Date 4/13/00
 Technical Staff: R. Tyler
 Technical Senior: R. Tyler

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 8.12	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 8.12-3	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 8.6-1	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 8.12	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 8.12.3	Yes	

Adequacy Issue: Adequate x Inadequate _____
 Technical Area: Hazardous Materials Handling
 Project Manager: C. Davis

DATA ADEQUACY WORKSHEET

Project: E. Altamont Energy Center
 Docket: 01-AFC-4

Revision No. 1 Date 4/13/00
 Technical Staff: R. Tyler
 Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (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 8.12.6.4	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 8.12.6	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 7.9.2.4	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;	Table 8.12.7	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.	Table 8.12-7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.12.7	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 8.12-7	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: **Hazardous Materials Handling**
 Project Manager: C. Davis

DATA ADEQUACY WORKSHEET

Project: E. Altamont Energy Center
 Docket: 01-AFC-4

Revision No. 1 Date 4/13/00
 Technical Staff: R. Tyler
 Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Land Use
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. _____ Date April 11, 2001
 Technical Staff: Mark R. Hamblin
 Technical Senior: Eileen Allen

Project: E. Altamont Energy Center
 Docket: 01-AFC -XX

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.	Pg. 8.4-2, Section 8.4.1 and 8.4.1.1. Pg. 8.4-16 – 18, Section 8.4.5.1 – 8.4.6.	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:	Pg. 8.4-2 – 9, Section 8.4.1 – 8.4.2.	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Pg. 8.4-2, Section 8.4.1. Figure 8.2-1. Figure 8.2-2. Figure 8.3-2. Figure 8.3.3. Figure 8.4-1. Figure 8.4-2.	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Pg. 8.4-2, Section 8.4.1. Pg. 8.4-10, Section 8.4.2.	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	Pg. 8.4-15 –16, Section 8.4.4.	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.	Figure 2.1-1. Figure 1.13. Figure 8.4-1. Figure 8.4-3. Figure 8.4-4.	No	Please provide the following maps in a legible form: Figure 1.13, 8.4-1, 8.4-3 and 8.4.4.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Land Use
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Project: E. Altamont Energy Center
 Docket: 01-AFC -XX

Revision No. _____ Date April 11, 2001
 Technical Staff: Mark R. Hamblin
 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) (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	Table 8.4-2 , Pg. 8.4—3-4. Table 8.4-3. Pg. 8.4 – 5 - 6. Pg. 8.4-10 – 14, Section 8.4.3.1. Pg. 8.9-1 –2, Section 8.9.1 – 3.	Yes	
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 8.4-2. Figure 8.4-3. Pg. 8.4-7. Section 8.4.1.2.	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Pg. 8.9-1 - 2, Section 8.9.1.1-8.9.1.3. Pg. 8.9-9, Section 8.9.1.5. Figure 8.2-1.	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.	Pg. 8.9-9 –10, Section 8.9.1.5. Figure 8.9-2.	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:	Pg. 8.9-10-12, Section 8.9.1.6 – 8.9.2.4.	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Pg. 8.9-10-12, Section 8.9.1.6 – 8.9.2.4.	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Land Use
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Project: E. Altamont Energy Center
 Docket: 01-AFC -XX

Revision No. _____ Date April 11, 2001
 Technical Staff: Mark R. Hamblin
 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 8.4-4, Pg. 8.4-13. Table 8.4-5, Pg. 8.4-15.	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 8.4-4, Pg. 8.4-12 – 13. Table 8.4-5, Pg. 8.4-15.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A)	Table 8.4-6, Pg. 8.4-19-28.	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 8.4-4, Pg. 8.4-12. Table 8.4-5, Pg. 8.4-15.	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.	Pg. 8.4-14, Section 8.4.3.1.	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Noise
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001
 Project: East Altamont Energy Center Technical Staff: Steve Baker
 Docket: 01-AFC-4 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) (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, 1.2, 1.5.5, 2.2.4.1, 2.2.15, 6.4; Chapter 8.5; Appendix 8.5	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.	Figures 8.5-1, 8.5-2	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Noise
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001

Project: East Altamont Energy Center
 Docket: 01-AFC-4

Technical Staff: Steve Baker
 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) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L _{eq} (equivalent sound or noise level), L _{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L ₁₀ , L ₅₀ , and L ₉₀ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§§ 8.5.2, 8.5.2.1, 8.5.2.2; Table 8.5-3; § 8.5.3.3; Appendix 8.5	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Tables 8.5-4, 8.5-5; § 8.5.3.4	No	Describe the tonal and frequency characteristics of the noise emitted by the project
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.	§ 1.5.5; Tables 8.5-4, 8.5-5; §§ 8.5.3.3, 8.5.3.4, 8.5.3.5; Table 8.5-6	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.	§ 8.5.3.7	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Noise
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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) (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.	§ 8.5.3.8	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;	Tables 8.5-7, 8.5-8, 8.5-9	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 8.5-10	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 1.5.5, 8.5.3; Tables 8.5-4, 8.5-5, 8.5-6, 8.5-7	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.	§ 8.5.6; Table 8.5-10	Yes	

Adequacy Issue: Adequate _____ Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001

Technical Area: Noise

Project: East Altamont Energy Center

Technical Staff: Steve Baker

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (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.	§ 8.5.5	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 10,2001

Technical Area: **Public Health**

Project: East Altamont

Technical Staff: Obed Odoemelam

Project Manager: Cheri Davis

Docket: 01-AFC-4

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.	Section 8.6, pages 8.6-1, through 8.6-7	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.	Section 8.6, pages 8.6-3 and 8.6-4	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.	Section 8.6, pages 8.6-3 through 8.6-7. Appendix 8.1D.	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.	Section 8.6, page 8.6-12	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 10,2001

Technical Area: Public Health

Project: East Altamont

Technical Staff: Obed Odoemelam

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (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).	Section 8.6, page 8.6-12	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 8.6, pages 8.6-10 and 8.6-11	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.	Section 8.6, pages 8.6-10 and 8.6-11	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.6, pages 8.6-7 and 8.6-8	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 8.6, page 8.6-11	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.	NA	NA	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Socioeconomics
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 5, 2001
 Technical Staff: Jim Adams
 Technical Senior: Dale Edwards

Project: East Alltamont
 Docket: 01-AFC-4

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.	PP. 8.8-1 to 8-21	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:	PP. 8.8-1 to 8-6	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;	PP. 8.8-3 to 8-6 Tables 8.8-4 & 8-5	No	Please provide the applicable local agencies projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	PP. 8.8-1 to 8-3 Figures 1 & 2	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Pg. 8.8-6 Table 8.8-6	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	PP. 8.8-6 to 8-9 Tables 8.8-12 & 13	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Pg. 8.8-3 Table 8.8-3	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Socioeconomics
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 5, 2001
 Technical Staff: Jim Adams
 Technical Senior: Dale Edwards

Project: East Alltamont
 Docket: 01-AFC-4

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.	PP. 8.8-11 to 8-13	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	PP. 8.8-6 to 11, 8.8-16 to 18	Yes	
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	PP. 8.8-6 to 11 Tables 8.8-9, 10 & 14	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;	Pg. 8.8-9	Yes	
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Pg. 8.8-15	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	PP. 8.8-15 & 16	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Socioeconomics
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 5, 2001
 Technical Staff: Jim Adams
 Technical Senior: Dale Edwards

Project: East Alltamont
 Docket: 01-AFC-4

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	PP. 8.8-16 & 17	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	PP. 8.8-17 & 18	No	Please provide an estimate of applicable school impact fees.
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	PP. 8.8-9, & 11	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	PP. 8.8-9, 11 & 15	Yes	
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	PP. 8.8-9 & 11	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;	Pg. 8.8-19 Table 8.8-16	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Socioeconomics
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 5, 2001
 Technical Staff: Jim Adams
 Technical Senior: Dale Edwards

Project: East Alltamont
 Docket: 01-AFC-4

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.	Pg. 8.8-20 Table 8.8-17	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pg. 8.8-19 Table 8.8-16	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.	Pg. 8.8-20 Table 8.8-17	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.	Pg. 8.8-21	Yes	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Soils
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Project: East Altamont Energy Center Technical Staff: Mike Krolak/Lorraine White
 Docket: 01-AFC-4 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	8.9.1 pg 8.9-1 to 10 8.9.2 pg 8.9-10 to 12 8.9.3 pg 8.9-12 to 13	No	Some construction activities for the site will require the excavation of soils. Please provide more detailed proposals of construction activities on the site, including grading, excavation and boring activities. Provide amounts of cut and fill anticipated for earth-moving activities for both the site and the linear facilities. Also include information on the depth of trenching and drilling activities related to the construction of linear facilities.
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. 2.1-1	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 8.9-1A Table 8.9-1B 8.9.1.4 pg 8.9-6 to 9	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.	8.9.1.6 pg 8.9-10 8.9.1.7 pg 8.9-10	Yes	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Soils
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Project: East Altamont Energy Center Technical Staff: Mike Krolak/Lorraine White
 Docket: 01-AFC-4 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) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	8.9.1.1 pg 8.9-2 8.9.1.2 pg 8.9-2 8.9.1.3 pg 8.9-2 8.9.1.5 pg 8.9-9 to 10 8.9.2 pg 8.9-10 to 12	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	8.9.1.6 pg 8.9-10	Yes	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	8.9.2.3 pg 8.9-12 8.11	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 8.9-2	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 8.9-3	Yes	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Soils
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Project: East Altamont Energy Center
 Docket: 01-AFC-4

Revision No. 0 Date 4.11.01
 Technical Staff: Mike Krolak/Lorraine White
 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	8.9.4 pg 8.9-13 to 15 Table 8.9-2	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 8.9-3	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.	8.9.6 pg 8.9-15 8.14.10 pg 8.14-23	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Traffic and Transportation
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 04/06/01
 Technical Staff: David Flores
 Technical Senior: Eileen Allen

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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 pg. 8.10-9 Sec. 8.10.1.9 AFC pg. 8.10-14 & 15 Sec. 8.10.2.5 Sec. 8.10.3 & 4	YES	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figure 8.10-1	YES	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	AFC pg. 8.10-9 Sec. 8.10.1.6 through 8 Figure 8.10-2 Figure 8.10-4 AFC pg. 8.10-3 Sec. 8.10.1.2	YES	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	AFC pg. 8.10-1 & 2 Sec. 8.10.1	YES	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Figure 8.10-3 AFC pg. 8.10-3 through 5 Sec. 8.10.1.3 Table 8.10-1 & 2	YES	
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	AFC pg. 8.10-5 Sec. 8.10.1.3 Table 8.10-3 AFC pg. 8.10-10 through 13 Sec. 8.10.2.3	YES	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Traffic and Transportation
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 04/06/01
 Technical Staff: David Flores
 Technical Senior: Eileen Allen

Project: East Altamont Energy Center
 Docket: 01-AFC-4

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	AFC pg. 8.10-3 Sec. 8.10.1.2	YES	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	AFC pg. 8.10-3& 4 Sec. 8.10.1.2 & 3	YES	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	AFC pg. 8.10-5 through 7 Sec. 8.10.1.4 Table 8.10-4	YES	
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.	AFC pg. 8.10-7 & 8 Sec. 8.10.1.5	YES	
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).	AFC pg. 8.10-10 through 14 Sec. 8.10.2.3 through 5 Table 8.10-5	YES	
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.	AFC pg. 8.10-15 Sec. 8.10.4.2 AFC pg. 8.12.20 Sec.8.12.6.3	NO	The AFC does not sufficiently identify the anticipated route for transportation of anhydrous ammonia. For each type of hazardous material anticipated to be transported to the plant, please provide the estimated quantity, number of trips, anticipated routes, means of transport, and any transportation hazards associated with such transport. In addition, the AFC does not identify the anticipated routes for hazardous wastes transported from the project during construction and operation. Please provide the information required by Appendix B (g) (5) (E) for hazardous wastes transported from the project during construction and operation.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Traffic and Transportation
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 04/06/01
 Technical Staff: David Flores
 Technical Senior: Eileen Allen

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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;	AFC pg. 8.10-15 through 17 Sec. 8.10.5 Table 8.10-6	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.	AFC pg. 8.10-16 Table 8.10-7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 8.10-15 through 17 Sec. 8.10.5 through 8.10.5.2	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.	AFC pg. 8.10-16 Table 8.10-7	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.	AFC pg. 8.10-15 Sec. 8.10.5 Table 8.10-6	YES	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 10, 2001

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

Project: East Altamont

Technical Staff: Obed Odoemelam

Project Manager: Cheri Davis

Docket: 01-AFC-4

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 (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.		N/A	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.		N/A	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		N/A	See TSE

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 10, 2001

Technical Area: T-Line Safety and Nuisance.

Project: East Altamont

Technical Staff: Obed Odoemelam

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (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.		N/A	See TSE
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 5.0, pages 5-1 through 5-4.	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 5.0, page 5-16. Appendix 5.5C.	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 5.0, pages 5-16 and 5-17	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 10, 2001

Technical Area: T-Line Safety and Nuisance.

Project: East Altamont

Technical Staff: Obed Odoemelam

Project Manager: Cheri Davis

Docket: 01-AFC-4

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;	Section 5.6, pages 5-19 and 5-20	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 5.0, pages 5-19 and 5-22	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.6, pages 5-19 and 5-22	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.		N/A	
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 _____ Inadequate X
 Technical Area: Visual Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 20, 2001
 Technical Staff: Gary Walker
 Technical Senior: Dale Edwards

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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.	Pp. 8.11-1 through 8.11-30, Section 8.11.	NO	Submittal of information requested in each of the sections below will satisfy this requirement..
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:	Pp. 8.11-1 through 8.11-12	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);	Figure 8.11-1.	NO	Figure 8.11-1 is not at a scale of 1:24,000. Please provide the figure at a scale of 1:24,000. Figure 8.11-1 does not depict the areas from which the project may be seen. Please provide a revised figure that depicts the areas from which the project may be seen.
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Not applicable.		
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.	Pp. 8.11-1 through 8.11-12, Section 8.11.1.	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pp. 8.11-7 through 8.11-12, Section 8.11.1.4.	YES	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Visual Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 20, 2001
 Technical Staff: Gary Walker
 Technical Senior: Dale Edwards

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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.	Pp. 8.11-6 through 8.11-12, Section 8.11.1.4	YES	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	P.8.11-14 & Table 8.11-2, p.8.11-15, Section 8.11.2.3; pp.8.11-16, 19 & 21, Section 8.11.2.4; Figures 2.2-1 and 2.2-2, Section 2.2; Figures 5.2-2, 5.1-2, 5.1-5, 5.2.2, 5.2-3, 5.2-4, and 5.2-5, Section 5.	NO	The AFC (p.8.11-7) states that there will be a gas metering station, but does not specify its dimensions or material. Please provide them. The AFC states that the HRSG structures, the HRSG stacks, and the brine concentrator will be neutral gray colors (pp.8.11-19 & 20) and that the transmission poles will have a neutral gray finish (p.8.11-16). Please specify the proposed colors for the other major generating facility features listed in Table 8.11-2.
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 8.11-3 through 8.11-8.	YES	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pp.8.11-17 through 8.11-23, Section 8.11.2.4, 8.11.3, and 8.11.4.	NO	The discussion of water vapor plume impacts (p.8.11-21) shows placeholders for the values for hours of plume occurrence and for the percent of daylight plumes in each length category. Please revise the discussion to provide the numerical values.

Adequacy Issue: Adequate _____ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. 0 Date April 20, 2001
 Technical Area: Visual Resources Project: East Altamont Energy Center Technical Staff: Gary Walker
 Project Manager: Cheri Davis Docket: 01-AFC-4 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) (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 8.11-3, p.8.11-24; pp.8.11-23 through 8.11-28, Section 8.11.5.	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 8.11-3, p.8.11-24.	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pp.8.11-23 through 8.11-28, Section 8.11.5.	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 8.11-3, p.8.11-24.	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.	Not applicable.		

Adequacy Issue: Adequate X Inadequate _____ **DATA ADEQUACY WORKSHEET** Revision 0 Date April 10, 2001
 Technical Area: Waste Management Project: East Altamont Technical Staff: Obed Odoemelam
 Project Manager: Cheri Davis Docket: 01-AFC-4 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	Section 8.13, pages 8.13-2 through 8.13-11	Yes	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 8.13, page 8.13-11 and 8.13-12	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.	Section 8.13, pages 8.13-1, and 8.13012. Appendix 8.13-A.	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.	Section 8.13-1. Appendix 8.13-A	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.	Section 8.13, pages 8.13-2 through 8.13-7	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Waste Management
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision 0. _____ Date April 10, 2001
 Technical Staff: Obed Odoemelam
 Technical Senior: Mike Ringer

Project: East Altamont
 Docket: 01-AFC-4

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.	Section 8.13, page 8.13-7	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Section 8.13, pages 8.13-8 through 8.13-11	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 8.13, page 8.13-14	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 8.13, pages 8.13-14 and 8.13-15	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision 0. _____ Date April 10, 2001

Technical Area: Waste Management

Project: East Altamont

Technical Staff: Obed Odoemelam

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.13, pages 8.13-12 through 8.13-14	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.	Section 8.13, page 8.13-15	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 8.13, page 8.13-16	Yes	
Appendix B. (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Section 8.13, page 8.13-9	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 8.13, page 8.13-6	Yes	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Water Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

Project: East Altamont Energy Center
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 2.1, p. 2-1 Sections 2.2.1 & 2.2.2, p. 2-1 to 2-3 Sections 2.2.7 to 2.2.12, p. 2-9 to 2-20 Figures 2.1-1 and 2.2-6a to 2.2-6f Section 7.0, p. 7-1 to 7-15 Table 7-1A & 7-1B Figure 7.1-1 Sect. 8.14, p. 8.14-1 to 8.14-25 Figures 8.14-1 to 8.14-4 Appendices 8.14A & 10F3	No	Please refer to additional discussions below and submit specified information.
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	Figures 2.2-6a to 2.2-6f P. 8.13-4 to 8.13-12	No	The project will be required to comply with Title 27 of the California Code of Regulations. Please provide the background water quality data for upgradient wells of the proposed project, installation of required monitoring wells and monitoring protocol as specified by the CVRWQCB. Please also submit all information required by the CVRWQCB in a report of waste discharge requesting WDR's for the proposed project.
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Sect. 8.14.3.2	No	Please provide information on any CVRWQCB design criteria for the drainage facilities and detention basin that will be required under the NPDES permit and a discussion of the project's compliance.

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Water Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

Project: East Altamont Energy Center
 Docket: _____

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (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:			
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Sect. 8.14.1.2, p. 8.14-3 to 8.14.4	No	Please provide hydrostratigraphic (map) information at an appropriate scale that clearly identifies the aquifers in the area of the project (shallow and deeper). Include in this information an identification of relative location of the needed on site well and any neighboring wells. In addition, Table 8.14-1 suggests that BBID uses groundwater sources to serve its customers. Please provide available aquifer data for the groundwater bodies that may be used by the BBID to serve the project (i.e., physical and chemical characteristics).
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Sect. 8.14.1.1, p. 8.14-1 to 8.14-3 Figure 2.1-1	No	Figure 2.1-1 shows proposed linear facilities possibly crossing several creeks, canals and or drainages. Please provide information on these crossings and describe the affected creeks, canals and or drainages (i.e., chemical and physical characteristics). Please also identify the locations of the wetlands to be impacted on a map of sufficient scale.
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Sect. 8.14.1.3 Figure 8.14-3	See Geological Resources	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Water Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Project: East Altamont Energy Center Technical Staff: Lorraine White
 Docket: _____ 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;	Sect. 2.2.7, p. 2-9 to 2-11 Sect. 7.0, p. 7-1 to 7-15 Sect.8.14.2.1, p. 8.14-4 to 8.14-8 Appendix 8.14A	No	Please provide information on the local water supplier to be used to meet potable/domestic water needs. Include in this information a description of the source, the rationale for its use and a discussion of all other potential sources and an explanation why these sources were not feasible. Please provide information on the source of water for construction related activities.
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Table 7-3 Sect. 8.14.2.1, pg. 8.14-4 Table 8.14-1 Sect. 8.14.2.3, p. 8.14-8 to 8.14-11 Table 8.14-3	No	Metals and trace elements are a concern in the source water when concentrated in cooling towers. Table 8.14-1 suggests that BBID uses both ground and surface water sources to supply its customers, however, the text on page 8.14-2 only references surface sources. In addition, Table 8.14-1 provided insufficient information on source water chemical characteristics. Provide additional analytical data on the water sources, particularly groundwater, for metals and trace elements using an analytical method with analytes and detection limits comparable to U.S. EPA Method 200.8, Inductively Coupled Plasma – Mass Spectrometry. Report all analytes and detection limits. Please provide calculations of the revised estimated concentrations of all constituents of concern in all waste or process water streams, and in the total wastewater discharge to the evaporation ponds (based on a revised Table 8.14-1). Please provide physical and chemical characteristics for water to be provided for potable/domestic needs.

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Water Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Project: East Altamont Energy Center Technical Staff: Lorraine White
 Docket: _____ 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) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Sect. 2.2.7.1, p. 2-9 & 2-10 Tables 2.2-1 & 2.2-2 Figures 2.2-6a to 2.2-6f Table 7-1A & 7-1B Sect. 8.14.2.3, p. 8.14-8	No	Please provide information on average and maximum daily and annual water demand and waste water discharge for construction.
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.	Sect. 2.2.7.3 to 2.2.7.5, p. 2-10 to 2-14 Sect. 2.2.9.1, p. 2-15 to 2-17 Sect. 2.4.2.3 to 2.4.2.8, p. 2-29 & 2-30 Figures 2.1-12.2-6a to 2.2-6f Sect. 7.0, p. 7-1, 7-4, 7-7 to 7-12 Appendix 10F3	No	An onsite well or connection to a local water supplier is identified as the potable water source. Please provide information on the location of the proposed on-site well and the size and location of the potable water service line. If an on-site well is used, please provide any information related to pre-treatment requirements and processes to develop potable quality water. Please specify the cycles of concentration used to calculate the plant water balance figures 2.2-6a to 2.2-6f. Page 10F-4 of Appendix 10F3, states that sanitary wastes will be discharged to the on site packaged treatment system. Please provide all information (i.e., design, construction and compliance with requirements) for this on-site packaged treatment system. Staff has noted that in Sect 8.14 the application states that the sanitary wastes will be discharged to a septic and leach line system.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	Sect. 8.14.3, p. 8.14-11 to 8.14-13	See Below	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Table 8.14-5 Table 8.14-6 Table 8.14-7	No	Proposed drainage facilities and runoff patterns can not be distinguished on Figure 8.14-4. Please revise Figure 8.14-4 to show stormwater runoff patterns flows at an appropriate scale.

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Water Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Project: East Altamont Energy Center
 Docket: _____

Revision No. 0 Date 4.11.01
 Technical Staff: Lorraine White
 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) (D) (ii)	Drainage facilities and design criteria.	Figure 8.14-4	No	Based on comments above, please include in the revised Figure 8.14-4, a clear identification of drainage facilities (drains, catchment basins, channels, and any other proposed facilities). Please provide information on any CVRWQCB design criteria for the drainage facilities and detention basin that will be required under the NPDES permit and a discussion of the projects compliance.
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Sect. 7. Sect. 8.14.2, p. 8.14-5 & 8.14-6 and Sect. 8.14.4, p. 8.14-13 & 8.14-14	No	Please provide all construction-related information for the pump station including site preparation, footprint requirements and any changes to the BBID 45 Canal needed to install the structures. Include in this discussion, all activities associated with the lining of the BBID canal from the California Aqueduct to the pump station and installing the water control structures and all the impacts associated with these activities.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Sect. 8.9 Sect. 8.12, p. 8.12-1 to 8.12-27 Sect. 8.13, p. 8.13-1 to 8.13-16 Sect. 8.14.4.5, p. 8.14-15 Sect. 8.9.3, p. 8.9.12 to 8.9-13	No	Please provide a discussion of potential water quality impacts to jurisdictional wetlands for which a permit is identified on p. 8.14-23.
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Sect. 8.14.1.3 Sect.8.14.4.6 Figure 8.14-3	See Geological Resources	

Adequacy Issue: Adequate _____ Inadequate x
 Technical Area: Water Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4.11.01
 Project: East Altamont Energy Center Technical Staff: Lorraine White
 Docket: _____ Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (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 8.13-3 Table 8.14-8 Sect. 8.14.8	No	Please provide page references in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed. Please include in this table any laws, regulations or standards that apply to the construction and operation of the proposed onsite potable water supply well.
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 8.14-8	No	Please provide information on any agency with jurisdiction to issue permits for onsite potable water supply wells.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sect. 8.14.8 Table 8.14-8 Sect. 8.14.9, p. 8.14-23	No	Please provide a discussion of conformity of the on site well construction and operation with any requirements listed above.
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 8.14-9	No	Please provide specified contact information for officials responsible for permits for onsite water supply wells.
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.	Sect. 8.14.9, p. 8.14.23	No	The AFC specifies a schedule only for the Notice of Intent and SWPPP. Please provide a proposed schedule for all permits identified on p. 8.14-23.

Adequacy Issue: Adequate Inadequate
 Technical Area: **Worker Safety**
 Project Manager: C. Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4/16/01
 Technical Staff: Rick Tyler
 Technical Senior: Rick Tyler

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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 8.7	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 8.7.3	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 2.2.6, 2.3.2.1	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: Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509); * Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920); * 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); * Fire Prevention Plan (8 Cal. Code Regs., § 3221); * Emergency Action Plan (8 Cal. Code Regs., § 3220);	Section 8.7.3	Yes	
04/27/01		59		

Adequacy Issue: Adequate Inadequate
 Technical Area: Worker Safety
 Project Manager: C. Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4/16/01
 Project: East Altamont Energy Center Technical Staff: Rick Tyler
 Docket: 01-AFC-4 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
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		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 8.7-6	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 8.7-9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.7	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 8.7-10	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 8.7.7 Table 8.7-9	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Efficiency
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: East Altamont Energy Center
 Docket: 01-AFC-4

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, 1.3.2, 1.4, 1.6.1, 2.1, 2.2.2, 2.2.3, 2.2.4, 2.2.4.1, 2.2.4.2, 2.2.4.3, 2.2.4.4, 2.2.6, 2.2.8, 2.2.16, 2.3, 2.4.1, 2.4.2.1, 2.4.3; Figures 2.2-4a, 2.2-4b; §§ 6.0, 6.1, 6.2, 9.4, 9.5, 9.5.1, 9.5.2, 10.2.1, 10.2.2, 10.3; Appendix 6.1A	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Figures 2.2-4a, 2.2-4b	No	Provide, as a minimum, heat and mass balance diagrams, for both baseload and peak output conditions, that contain sufficient information to know, or calculate, fuel efficiency under these two operating modes.
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 2.2.6; Figures 2.2-4a, 2.2-4b; § 10.3	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 1.1, 2.2.16, 2.4.1, 10.2.2, 10.3	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.1, 2.2.16, 2.4.1, 10.2.2, 10.3	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
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.	§§ 1.4, 9.4, 9.5	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Efficiency
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001

Project: East Altamont Energy Center
 Docket: 01-AFC-4

Technical Staff: Steve Baker
 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) (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;	N/A	N/A	
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.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
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.	N/A	N/A	
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	N/A	

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

DATA ADEQUACY WORKSHEET
 Project: East Altamont Energy Center
 Docket: 01-AFC-04

Revision No. 1 Date April 24, 2001
 Technical Staff: Robert Anderson/Shahab Khoshmashrab
 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.	Figure 8.14-3 and 8.14.4 Section	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Figure 8.14-3 and 8.14.4 Sections 8.14.3 through 8.14.3.2 and Tables 8.14-5 through 8.14-7	Yes	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Tables 8.14-6 and 8.14-7	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources Worksheet		
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 8.14.4 and 8.14.4.6	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;	§§ 2.5, 10.4.1, 10.4.2, Appendices 10A through 10C	No	1. Provide a table or matrix which explicitly references pages in the application wherein conformance with each law or standard during both construction and operation of the facility is discussed. 2. Appendix 10A2.2.3 County refers to chapter 70 of the UBC, which doesn't exist in the 97 UBC. Please correct as appropriate.
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.	§ 6.6, Tables 6.6-1, 10.4-1, § 10.5	Yes	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Facility Design
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET
 Project: East Altamont Energy Center
 Docket: 01-AFC-04

Revision No. 1 Date April 24, 2001
 Technical Staff: Robert Anderson/Shahab Khoshmashrab
 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).	Appendices 10A2, 10A2.1, 10A2.2, 10B2, 10B3, 10B4, 10C2, 10C3	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.	Tables 6.6-1, 10.4-1	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.	§ 6.6, Tables 6.6-1, 10.4-1	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.	§§ 2.3.1, 8.14.1.1, 8.14.1.2, 8.14.1.3, 8.14.3.1, 8.14.3.2, 8.14.4.6, 8.15.1, 8.16.1, 10.1, Appendix 10B3.4	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§ 2.3.1, 8.15.1, 8.15.1.1	Yes	
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.	Appendices 10B3.2, 10B3.3, 10B3.4, 10B3.5.1 through 10B3.5.11, 10B4.1 through 10B4.4, 10B5.1 through 10B5.5	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:	—	—	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Facility Design
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Project: East Altamont Energy Center
 Docket: 01-AFC-04

Revision No. 1 Date April 24, 2001
 Technical Staff: Robert Anderson/Shahab Khoshmashrab
 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) (i)	The power generation system;	§ 2.1, Figures 2.2-1, 2.2-2, §§ 2.2.2, 2.2.3, 2.2.4.1, 2.2.4.2, 2.2.4.3, 2.2.4.4, 2.2.6, Figure 8.12-1	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§ 2.2.8	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	Table 2.2-1, §§ 2.2.7.2, 2.2.7.5	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§§ 2.2.2, 2.2.4.4, 2.2.11, 8.1	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Tables 2.2-6a through 2.2-6f, §§ 2.2.7.5, 2.2.9 through 2.2.9.3, 8.13	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§§ 1.1, 2.1, 2.2.5, 2.2.14, 5.0	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	N/A	N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4/9/01

Technical Area: Geological Hazards

Project: East Altamont Energy Center

Technical Staff: Robert Anderson

Project Manager: Cheri Davis

Docket: 01-AFC-04

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) (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 8.15.1.2; 8.15.2.1 through 8.15.2.2; 8.15.3 through 8.15.3.5	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Section 8.15.1.1 through 8.15.1.4	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.	Figures 8.15-1 and 2; Sections 8.15.1.2 through 8.15.1.1; Table 8.15-2	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.	Figure 8.15-1; Section 8.15.1.4 and Section 8.15.2.3	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Geological Hazards
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Project: East Altamont Energy Center
 Docket: 01-AFC-04

Revision No. 0 Date 4/9/01
 Technical Staff: Robert Anderson
 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) (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 8.15-3 Section 8.15.4	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 8.15-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.15.4	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 8.15-4	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4/9/01

Technical Area: Paleontological Resources

Project: East Altamont Energy center

Technical Staff: Robert Anderson

Project Manager: Cheri Davis

Docket: 01-AFC-04

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) (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 8.16.1.2; 8.16.2.1 through 8.16.4	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.	Section 8.16.1.1 and 8.16.1.2	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.	Section 8.16.1.4	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.	Sections 8.16.1.3 and 8.16.1.5	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Paleontological Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4/9/01
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

Project: East Altamont Energy center
 Docket: 01-AFC-04

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) (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.	Figure 8.16-1 (confidential) and section 8.16.1.5	Yes	
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Section 8.16.1.4	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 8.16-1	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.	Not Applicable	Not Applicable	

Adequacy Issue: Adequate Inadequate
 Technical Area: Paleontological Resources
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 4/9/01
 Project: East Altamont Energy center Technical Staff: Robert Anderson
 Docket: 01-AFC-04 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).	Section 8.16.4	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.	Not Applicable	Not Applicable	
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.	Not Applicable	Not Applicable	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001

Technical Area: Reliability

Project: East Altamont Energy Center

Technical Staff: Steve Baker

Project Manager: Cheri Davis

Docket: 01-AFC-4

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) (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, 1.3.2, 1.4, 1.6.1, 2.1, 2.2.2, 2.2.4, 2.2.5.3, 2.2.5.4, 2.2.6, 2.2.7, 2.2.8, 2.2.13.3, 2.2.16, 2.3, 2.3.1, 2.4.1, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 6.0, 6.1, 6.2, 7.0, 7.1.1, 7.2, 7.3, 9.4, 9.5, 10.2.1, 10.2.2; Appendix 8.14A	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.	§§ 1.1, 1.3.2, 2.1, 2.4.3, 6.0, 10.2.1; Appendix 6.1A	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.1, 2.2.2, 2.2.16, 2.4.1, 10.2.2, 10.3	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, 1.3.2, 2.2.2, 2.2.3, 2.2.4, 2.2.7, 2.4.2.1, 2.4.4, 7.0, 7.1.1, 7.2, 7.3; Appendix 8.14A	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.1, 1.3.2, 2.1, 2.2.7, 2.3, 2.3.1, 2.4.4, 7.0, 7.1.1, 7.2, 7.3, 10.2.2; Appendix 8.14A	Yes	

Adequacy Issue: Adequate Inadequate
 Technical Area: Reliability
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date April 12, 2001
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: East Altamont Energy Center
 Docket: 01-AFC-4

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 2.2.5.3, 2.2.5.4, 2.2.13.3, 2.4.1; Table 2.4-1; §§ 2.4.2, 2.4.5, 10.2.2	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§ 10.2.2	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;	N/A	N/A	
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.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
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.	N/A	N/A	
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	N/A	

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Transmission System Eng.
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 02 Date April 16, 2001
 Technical Staff: Al McCuen
 Technical Senior: Al McCuen

Project: East Altamont
 Docket: 01 AFC-4

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 5.1, page 5-1,5-2	Yes	
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.		N/A	Not Applicable because no other generation unit is anticipated to share facilities.
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 5.2.2, 5.2.2.1, 5.2.2.2. Figures 5.1-2, 5.2-1, 5.2-2, 5.5-1, Appendix 5.4-A.	No	Provide power load flow diagrams which demonstrate conformance or non conformance with utility reliability and planning criteria. Provide a system Impact Study per the study plan of Appendix 5.4-A.

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Transmission System Eng.
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 02 Date April 16, 2001
 Technical Staff: Al McCuen
 Technical Senior: Al McCuen

Project: East Altamont
 Docket: 01 AFC-4

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) (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 5.0	Yes	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Appendix 5.4-A	No	Provide a System Impact Study that identifies the impacts on existing transmission facilities.
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.		N/A	See 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.		N/A	See TLS&N

Adequacy Issue: Adequate _____ Inadequate X
 Technical Area: Transmission System Eng.
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 02 Date April 16, 2001

Project: East Altamont
 Docket: 01 AFC-4

Technical Staff: Al McCuen
 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;		N/A	See TLS&N
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.		N/A	See TLS&N
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		N/A	See TLS&N
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.		N/A	
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 Inadequate
 Technical Area: Alternatives
 Project Manager: Cheri Davis

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____
 Technical Staff: Cheri Davis
 Technical Senior: Paul Richins

Project: East Altamont (EAEC)
 Docket: 01-AFC-4

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.	pp. 9-1 – 9-24 Sections 9.1 – 9.5	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.	pp. 9-1 – 9-24 Sections 9.1 – 9.5	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	pp. 9-2 – 9-24 Sections 9.2 – 9.5	Yes	