

Memorandum

Date : February 4, 2002
Telephone: (916) 651-8835
File: Palomar Energy Project

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

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

Subject: **PALOMAR ENERGY PROJECT DATA ADEQUACY RECOMMENDATION
(01-AFC-24)**

On November 8, 2001, Palomar Energy LLC (Palomar Energy) filed an Application for Certification (AFC) seeking approval from the California Energy Commission to construct and operate a nominal 500 MW, natural gas-fired, combined-cycle electric generating facility. At the January 9, 2002 Business Meeting, the Energy Commission found that the AFC did not contain sufficient information to constitute a complete application. Staff has reviewed supplemental information provided by Palomar Energy in response to the Commission's adopted list of data deficiencies. Based on staff's analysis, the AFC now meets the requirements of California Code of Regulations, Title 20, Section 1704, Appendix B, for the 12-month AFC. Staff therefore recommends that the Energy Commission find the AFC adequate. This recommendation is contingent, however, on the submittal to the Docket of 125 copies of the supplemental information by Tuesday, February 5, 2002.

Attachment A contains an overview of the 14 technical disciplines that were previously found to be inadequate. Attachment B contains staff's detailed data adequacy worksheets that describe staff's findings for each information requirement in the 14 technical areas.

At the Energy Commission's business meeting on February 6, 2002, I will be recommending that the Energy Commission accept the AFC as data adequate, pursuant to California Code of Regulations, Title 20, Section 1709. I will also recommend that the Energy Commission assign a Committee to the Palomar Siting Case for the 12-month review process.

If you have any questions, please call Bob Eller, Energy Commission's Project Manager, at (916) 651-8835.

STEVE LARSON
Executive Director

SL:BE
Attachments

**ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
Palomar Energy Project
01-AFC-24**

TECHNICAL AREA	ATTACHMENT B PAGE NO.	ADEQUATE?
Air Quality	1	Yes
Alternatives	7	Yes
Biological Resources	8	Yes
Cultural Resources	13	Yes
Land Use	17	Yes
Noise	22	Yes
Reliability	25	Yes
Socioeconomics	27	Yes
Soil Resources	36	Yes
Traffic and transportation	38	Yes
Transmission System Engineering	44	Yes
Visual Resources	48	Yes
Waste Management	55	Yes
Water Resources	58	Yes

ATTACHMENT B

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

**Palomar Energy Project
01-AFC-24**

February 4, 2002

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/18/012/1/02

Technical Area: Air Quality
 Project Manager: Bob Eller

Project: Palomar Energy Project
 Docket: 01-AFC-24

Brewster Birdsall
 Technical Staff: William Walters
 Technical Senior: Matthew Layton

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.	§1.3.2 Pages 1-3 to 4 §5.2.3 Pages 5.2-17 to 43 §5.2.6 Pages 5.2-44 to 45 §5.2.4 Pages 5.4-43 to 44 Confidential Filing as of 12/5/01. §2.4.9.4 Page 2-42	No <u>Yes</u>	Discuss the effectiveness of construction mitigation on p. 5.2-43 to mitigate PM₁₀ impacts identified on p. 5.2-24 and 25. <u>Draft response AQ-1A (1/18) adequately addresses this issue.</u> Identify and discuss effectiveness of measures to offset operational NO_x, VOC, SO_x, and PM₁₀ emissions because of state-level PM₁₀ nonattainment. <u>Draft response AQ-1B (1/18) adequately addresses this issue.</u>
Appendix A (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance	N/A	No <u>Yes</u>	The application for a determination of compliance was submitted by the applicant to the San Diego Air Pollution Control District on December 4, 2001. According to District Rule 20.5(c), within 20 days of their receipt of the application, the SDAPCD will determine if the application is complete. Provide a letter confirmation from the SDAPCD that the application is complete. <u>On 1/31, the SDAPCD issued a letter indicating that the application for the determination of compliance is complete.</u>
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.	§2.4.5 Table 2.4-1 Pages 2-28 to 29 §2.5.2 Page 2-45 Appendix E.3 Table E.3-1 §4.3.1 Page 4-2	Yes	
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	§2.4.9 Pages 2-41 to 42 §5.2.2 Pages 5.2-5 to 17	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/18/012/1/02

Technical Area: Air Quality

Project: Palomar Energy Project

Technical Staff: Brewster Birdsall
William Walters

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Matthew Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	§2.4.6.4 Pages 2-36 to 37 §2.4.6.2 Page 2-30 §5.2.3.1 Page 5.2-21	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.	Appendix E.3 §5.2.3.1 Pages 5.2-20 to 23	No <u>Yes</u>	An estimate of criteria air contaminant emissions from secondary sources (e.g., ammonia delivery and employee vehicles). <u>Draft response AQ-3 (1/18) adequately addresses this issue.</u>
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	§5.2.3.1 Page 5.2-20	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.	§5.2.1.3 Pages 5.2-4 to 5 Appendix E.1 Pages E.1-7 to 9	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Electronic Submittal on CD-R. Appendix E.5	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/18/01 2/1/02

Technical Area: Air Quality

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Technical Staff: Brewster Birdsall
William Walters

Project Manager: Bob Eller

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Technical Senior: Matthew Layton

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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.	Appendix E.1 Appendix E.5 Appendix E.4 Pages (E.4) 3-7 to 8 Electronic Submittal on CD-R.	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM 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 E.4 Pages (E.4) 4-10 to 11 Appendix E.5 Electronic Submittal on CD-R. §5.2.3.2 Pages 5.2-24 to 25	Yes	

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Project Manager: Bob Eller

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Appendix E.4 Pages (E.4) 4-1 to 3 Appendix E.5 Electronic Submittal on CD-R. §5.2.3.2 Pages 5.2-25 to 30	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Appendix E.4 Pages (E.4) 4-11 to 12 Appendix E.5 Electronic Submittal on CD-R. §5.2.6 Pages 5.2-44 to 45	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	§5.2.4.2 Pages 5.2-43 to 44	No <u>Yes</u>	Quantify NO_x, VOC, SO_x, and PM₁₀ offsets necessary to address attainment of state PM₁₀ standards as required by the CEC siting process. <u>Draft response AQ-1B (1/18) adequately addresses this issue. Staff will request additional details during discovery.</u>

Adequacy Issue: Adequate Inadequate

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Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Confidential Filing as of 12/5/01.	No <u>Yes</u>	Identify potential sources for offsets of PM10 and PM10 precursors. <u>Draft response AQ-1B (1/18) adequately addresses this issue.</u>
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Confidential Filing as of 12/5/01.	No <u>Yes</u>	Identify method of reduction for offsets of PM10 and PM10 precursors. <u>Draft response AQ-1B (1/18) adequately addresses this issue.</u>
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	§5.15.1 Page 5.15-1, Figure 5.15-1	No <u>Yes</u>	Because of proximity of elevated terrain and residential areas, copies of USGS 7.5 minute quadrangles or other similar 1:24,000 scale maps are necessary. <u>Draft response AQ-7 (1/18) adequately addresses this issue.</u>
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	§5.2.7 Page 5.2-48 to 69, Tables 5.2-31, 33, and 34 §6.5 Page 6-37 and 38	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	§5.2.7 Page 5.2-48 to 69, Tables 5.2-31, 33, and 34 Table 5.2-35 §6.5 Page 6-37 and 38	Yes	

Adequacy Issue: Adequate Inadequate

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Revision No. 01 Date 12/18/01 2/1/02

Technical Area: Air Quality

Project: Palomar Energy Project

Technical Staff: Brewster Birdsall
William Walters

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Matthew Layton

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Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§5.2.7 Page 5.2-48 to 69 Tables 5.2-31, 33, and 34 §6.4.2 Pages 6-10 to 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.	§5.2.8 Page 5.2-69	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§5.2.9 Page 5.2-69	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 4, 2002

Technical Area: Alternatives

Project: Palomar Energy Project

Technical Staff: Bob Eller

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (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.	Page 3-3, Section 3.2 Table 3.2.1	No <u>Yes</u>	Additional information on how environmental factors entered into the decision to select the proposed site. The discussion focuses primarily on transmission.
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Page 3-1, Section 3.1 Page 3-3, Section 3.2 Page 3-6, Section 3.3 Page 3-7, Section 3.4 Page 3-9, Section 3.5 Table 3.2.1	No <u>Yes</u>	Additional information on the alternative locations and their related environmental impacts, with a comparison to the proposed project, is needed.
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Page 3-1, Section 3.1 Page 3-3, Section 3.2 Page 3-6, Section 3.3 Page 3-7, Section 3.4 Page 3-9, Section 3.5 Table 3.2.2	No <u>Yes</u>	The only engineering alternatives discussed are those for modifications to the proposed project. Additional comparative analysis of the economic and environmental merits of the alternatives is needed.

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 13, 2001
January 25, 2002

Technical Area: Biological Resources

Project: Palomar Energy Project

Technical Staff: Rick York and Dr. Bruce Barnett

Project Manager: Bob Eller

Docket: 01-AFC-24

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 (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: Section 5.3.1.2, Pages 5.3-2 to 5.3-5 Direct, indirect, and cumulative impacts: Section 5.3.2, Pages 5.3-15 to 5.3-18, Appendix F Mitigation measures: Section 5.3.3, Page 5.3-18 and Appendix F, Section 7.4 Mitigation monitoring plans: Supplemental Filing (1/18/02)	Yes Yes Yes No Yes	Many sensitive species and their habitats occur in the project vicinity. Applicant needs to provide a discussion of how various mitigation measures will be monitored to determine if the mitigation measures are successful, and what will be done if they are determined to unsuccessful.
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.	Regional overview: Section 5.3.1.1, Pages 5.3-1, 2 Sensitive species and habitats discussion: Section 5.3.1.5, Pages 5.3-11 to 5.3-15 1:100,000 scale map: Figures 4a & b, Appendix F	Yes Yes Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

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January 25, 2002

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Project: Palomar Energy Project

Technical Staff: Rick York and Dr. Bruce Barnett

Project Manager: Bob Eller

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
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.	1:6000 scale map(s): Figures 4a & b, Appendix F List of species seen and those expected for project area: Appendix F Locations of sensitive species: Figures 4a & b, Appendix F	Yes Yes Yes	
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.	Description of all studies and surveys: Appendix F Copies of CNDDDB forms: Appendix F Names/qualifications of those completing studies and field surveys: Appendix F, Pages 39 and 40	Yes Yes Yes	

Adequacy Issue: Adequate X Inadequate X

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Project: Palomar Energy Project

Technical Staff: Rick York and Dr. Bruce Barnett

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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.	Temporary and permanent impacts: Section 5.3.2, Pages 5.3-15 to 5.3-18 Cooling tower drift impacts: Section 5.3.2, Pages 5.3-17, 18	Yes 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;	Impact avoidance measures: Section 5.3.3, Page 5.3-18 and Appendix F, Pages 37 – 39.	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures including off-site compensation: Section 5.3.3, pg. 5.3-18 and Appendix F, Pages 37, 38	Yes	
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Worker Environmental Awareness Program: Supplemental Filing (1/18/02)	No Yes	Many sensitive species and their various habitats occur in the project vicinity, so staff expects that power plant workers will need to receive worker environmental awareness training. Applicant needs to provide a discussion of the necessity of a worker environmental awareness training program and what would be contained in it if one were to be developed.

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

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Project: Palomar Energy Project

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Project Manager: Bob Eller

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Mitigation compliance monitoring: Supplemental Filing (1/18/02)	No Yes	Many sensitive species and their habitats occur in the project vicinity, so staff expects that mitigation compliance monitoring may be necessary. Applicant needs to provide a discussion of the necessity of a mitigation compliance monitoring program and what would be contained in it if one were to be developed.
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.	Native fish and wildlife species of commercial and/or recreational value: Section 5.3.3, page 5.3-18	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;	Listed species: Section 6.0, Appendix F	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	Listed species: Section 6.0, Appendix F	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species: Section 6.0, Appendix F	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 table: Table 6.5-1, Page 6-38, 39	Yes	

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Technical Staff: Rick York and Dr. Bruce Barnett

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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 jurisdiction table: Section 5.3.7, Table 5.3-2, Page 5.3-21	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS conformity: Section 5.3.6, Page 5.3-21	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 table: Section 5.3.7, Table 5.3-2, Page 5.3-21	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 for permits outside commission authority: Section 5.3-8, Page 5.3-22	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~12/17/01~~1/28/02

Technical Area: Cultural Resources

Project: Palomar Energy

Technical Staff: Dorothy Torres

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Dale Edwards

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Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol I, Page 2-7 AFC Vol I, Page 5.16-16 AFC Vol I, Page 5.16-17 AFC Vol I, Page 5.16-16	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol I, Page 5.16-2 to 5.16-8 Fig. 5.16-1	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/17/01 1/28/02

Technical Area: Cultural Resources

Project: Palomar Energy

Technical Staff: Dorothy Torres

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (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 II, Appendix I Page 21 Confidential Technical Report Additional Information submitted 1/17/02 Page 5.10-22, 23 Staff has agreed to ask for this information during the discovery phase of this project.	No <u>Yes</u>	Provide a description of all literature searches and the results of field surveys completed for the natural gas and water lines. Include survey methodology and specify how far the survey extended from the proposed centerlines of the gas and water lines? Provide the results of a cultural resources survey of the project area and linears conducted by an architectural historian or an historian with a background in industrial or architectural or public history. Identify and include descriptions of historic cultural resources (buildings, structures, objects, sites, and districts) adjacent to the project site and linears (one property deep that appear to be 45 or more years old). Ensure the existing transmission line and Hale Avenue Resource and Recovery Facility (HARRF) are included. Provide the qualifications of the individuals conducting the cultural resource survey of the built environment.
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.	Additional info submitted 1/17/02, Page 5.10-23. Confidential Appendix (Copy of Information from CHRIS) Additional confidential Appendix submitted 1/17/02.	No <u>Yes</u>	Provide a discussion of the sensitivity of the project area. Submit the technical report included in Vol II, Appendix I, under confidential cover. It includes site locations.
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 I, Page 5.16-13 Additional supplemental information provided 1/17/02	No <u>Yes</u>	Provide copies of letters sent to Native Americans that describe the proposed project.

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/17/01 1/28/02

Technical Area: Cultural Resources

Project: Palomar Energy

Technical Staff: Dorothy Torres

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (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 I, Page 5.16-16 AFC Vol II, Tech Report Page 37 Additional supplemental Info submitted 1/17/02 Page 5.16-24.	No <u>Yes</u>	Provide a discussion of any educational programs proposed to enhance the awareness of potential impacts to archeological resources by employees and contractors.
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 I, Page 6-49 AFC Vol 1, Page 6-34 AFC Vol I, Page 5.7-14 AFC Vol I, Page 6-49	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 Vol I, Page 5.16-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol I, Page 5.16-17	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 I, Page 5.7-14	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~12/17/01~~1/28/02

Technical Area: Cultural Resources

Project: Palomar Energy

Technical Staff: Dorothy Torres

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (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 Vol I, Page 5.16-19	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 25, 2002

Technical Area: Land Use
 Project Manager: Bob Eller

Project: Palomar Energy
 Docket: 01-AFC-24

Technical Staff: Amanda Stennick
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.7	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:	Sections 5.7.1.2 through 5.7.1.5	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Section 5.7.1.6	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Sections 5.7.1.2 and 5.7.1.4 Although not a part of the Application for Certification (AFC) the Notice of Preparation (NOP) for the Escondido Research and Technology Center Specific Plan (ERTC Specific Plan) provided by the City of Escondido makes this section data adequate. Please include the NOP with any supplemental filing to the AFC.	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 25, 2002

Technical Area: Land Use

Project: Palomar Energy

Technical Staff: Amanda Stennick

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Section 5.7.1.2 Although not a part of the Application for Certification (AFC) the Notice of Preparation (NOP) for the Escondido Research and Technology Center Specific Plan (ERTC Specific Plan) provided by the City of Escondido makes this section data adequate. Please include the NOP with any supplemental filing to the AFC.	Yes	
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figures 5.7-1, and -2	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 25, 2002

Technical Area: Land Use

Project: Palomar Energy

Technical Staff: Amanda Stennick

Project Manager: Bob Eller

Docket: 01-AFC-24

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	Sections 5.7.1.2 and 5.7.2.3 Although not a part of the Application for Certification (AFC) the Notice of Preparation (NOP) for the Escondido Research and Technology Center Specific Plan (ERTC Specific Plan) provided by the City of Escondido makes this section data adequate. Please include the NOP with any supplemental filing to the AFC.	No <u>Yes</u>	Section 5.7.1.2 states that development of the ERTC Specific Plan is both a key component of the City of Escondido's future economic development and a guide to development of the industrial park where the proposed project is located. However, the section provides no further discussion of the Plan. From the information provided in the AFC, staff cannot determine whether the proposed project is consistent with the objectives, goals, and policies of the ERTC Specific Plan. Please provide a discussion of the goals, policies, and development standards in the ERTC Specific Plan, and how the proposed project is compatible. <u>Applicant's 1/17/02 response to staff data adequacy comments makes this section adequate.</u>
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:	Section 5.6.1.1 Figure 5.6-1	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Section 5.6.1.1	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.	Section 5.6.1.1	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:	Section 5.6.1.1	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 25, 2002

Technical Area: Land Use

Project: Palomar Energy

Technical Staff: Amanda Stennick

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Section 5.6.1.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.5-1 Section 5.7.2.3 Although not a part of the Application for Certification (AFC) the Notice of Preparation (NOP) for the Escondido Research and Technology Center Specific Plan (ERTC Specific Plan) provided by the City of Escondido makes this section data adequate. Please include the NOP with any supplemental filing to the AFC.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 6.4.7 Table 5.7-4	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 25, 2002

Technical Area: **Land Use**

Project: Palomar Energy

Technical Staff: Amanda Stennick

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.7.2.3 Although not a part of the Application for Certification (AFC) the Notice of Preparation (NOP) for the Escondido Research and Technology Center Specific Plan (ERTC Specific Plan) provided by the City of Escondido makes this section data adequate. Please include the NOP with any supplemental filing to the AFC.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.7-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.7-4 Although not a part of the Application for Certification (AFC) the Notice of Preparation (NOP) for the Escondido Research and Technology Center Specific Plan (ERTC Specific Plan) provided by the City of Escondido makes this section data adequate. Please include the NOP with any supplemental filing to the AFC.	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/01/01 01/28/02

Technical Area: Noise

Project: Palomar Energy Project

Technical Staff: Jim Buntin

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Sections 2.0, 5.7 & 5.9	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	AFC Section 5.9, Figures 5.7-1, 5.7-2, 5.9-1.	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L _{eq} (equivalent sound or noise level), L _{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L ₁₀ , L ₅₀ , and L ₉₀ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	AFC Section 5.9, pp.5.9-1 through 5.9-4.	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/01/01 01/28/02

Technical Area: Noise

Project: Palomar Energy Project

Technical Staff: Jim Buntin

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (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.	AFC Section 5.9.2.2	No Yes	Provide a description of the noise levels and the tonal and frequency characteristics of the proposed gas compressors.
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.	AFC Section 5.9	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.	AFC Section 5.9	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	AFC Section 5.9.2.2	No Yes	Provide a quantitative discussion of noise levels due to transmission lines at the edge of the rights-of-way.
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 Section 6.4.9	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/01/01 01/28/02

Technical Area: Noise

Project: Palomar Energy Project

Technical Staff: Jim Buntin

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Section 5.9.7, Table 5.9.10	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 5.9.2	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.	AFC Section 5.9.7, Table 5.9.10	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.	AFC Section 5.9.8	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 22, 2002

Technical Area: Reliability

Project: Palomar Energy Project

Technical Staff: Kevin Robinson

Project Manager: Bob Eller

Docket: 01-AFC-24

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, 1.3.2, 1.3.4, 1.3.5, 2.1, 2.3, 2.4.1, 2.4.2, 2.4.3.1-2.4.3.3, 2.4.4, 2.4.4.3-2.4.4.6, 2.4.5, Table 2.4-2, 2.4.6.2, 2.4.6.4, 2.4.9.1-2.4.9.4, 2.4.11.1, 2.4.11.7, 2.5, 2.5.8, 2.7.1, 2.9, 3.5.6, 4.1, 4.1.1, 4.3.1-4.3.5, Table 4.3-1, 6.3.1.1, 6.3.1.2 Appendix C, G, K, E	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, 1.2, 2.1, 2.4.5, 2.7.1, 3.3.2, 4.3.4, Appendix K	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;	§§2.4.2, 2.9, 4.3.1	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§1.1, 1.3.2, 1.3.4, 2.1, 2.4.1, 2.4.2, 2.4.3.1-2.4.3.3, 2.4.4, 2.4.4.3, 2.4.4.4, 2.4.5, 2.4.6, 2.4.6.2, 2.4.6.4, 2.4.7.1, 2.4.9.1-2.4.9.4, 2.4.11.1, 2.7.1-2.7.3, 3.3.2, 3.3.3, 3.5.6, 4.3.4, 4.3.5, 6.3.1.2	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§1.1, 1.3.4, 2.1, 2.3, 2.4.6, Table 2.4-2, 2.4.6.2, 2.5.8, 2.7.2, 4.1, 4.1.1, 4.3.5, 6.3.1.2, Appendix G, E	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 1 Date January 22, 2002

Technical Area: Reliability

Project: Palomar Energy Project

Technical Staff: Kevin Robinson

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§2.4.2, 2.4.3.1, 2.4.4, 2.4.4.3, 2.4.4.4, 2.4.11.1, 2.4.11.6, 2.4.11.7, 2.5.3, 2.9, 4.3.1, 4.3.2, 4.3.3, 6.3.1.2, Table 4.3-1	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	Response to CEC Staff Data Adequacy Comments 1/18/02	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

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/2002

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	5.8.1 Affected Environment, page 5.8-1. 5.8.1.1 Project Area, page 5.8-1. 5.8.2.1 Potential Construction-Related Impacts, page 5.8-11 and Construction Impacts on Employment and Economy, pages 5.8-13&14. 5.8.2.2 Potential Operation-Related Impacts, pages 5.8-14 to 16. 5.8.3 Mitigation Measures, page 5.8-18. 5.8.4 Significant Unavoidable Adverse Impacts, page 5.8-18. 5.8.5 Cumulative Impacts, pages 5.8-18&19. 5.8.2.3 Environmental Justice Screening Analysis, Page 5.8-16. Figure 5.8-2 Environmental Justice Screening, page 5.8-17.	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:			

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/2002

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	5.8.1.7 Employment and Economy, pages 5.8-6&5.8-7. Table 5.8-4 Employment Characteristics of Communities in the Project Area (September 1998), page 5.8-7. 5.8.2.1 Potential Construction- Related Impacts, Construction Impacts on Fiscal Resources, page 5.8-14. 5.8.2.2 Potential Operation-Related Impacts, Operation Impacts on Fiscal Resources, pages 5.8-15&16. 5.8.1.8 Fiscal Resources, page 5.8-7. Table 5.8-5 General Fund Revenues-City of Escondido, page 5.8-8.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/2002

Technical Area: **Socioeconomics**

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	5.8.2.1 Potential Construction-Related Impacts, Construction Impacts on Population, page 5.8-11. 5.8.2.3 Environmental Justice Screening Analysis, Page 5.8-16. Figure 5.8-2 Environmental Justice Screening, page 5.8-17.	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	5.8.1.7 Employment and Economy, pages 5.8-6&7. Table 5.8-4 Employment Characteristics of Communities in the Project Area (September 1998), page 5.8-7. 5.8.10 Response to CEC Staff Data Adequacy Comments, SOCIO-1, Appendix B (g) (7) (A) (iii). Information Required & Table 5.10 Projected Unemployment Rates, San Diego County, page 5.8-22.	No <u>Yes</u>	Please provide an estimate of projected unemployment rates.

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. **01** Date 12/7/20011/22/2002

Technical Area: **Socioeconomics**

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	5.8.2.1 Potential Construction-Related Impacts, Construction Impacts on Population, page 5.8-11. 5.8.2.2 Potential Operation-Related Impacts, Operation Impacts on Population, page 5.8-14.	Yes	
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	5.8.1.3 Housing, pages 5.8-3&4. Table 5.8-2 Housing Characteristics in Study Area Communities, page 5.8-4.	Yes	
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.	5.8.1.4 Schools, pages 5.8-4&5. Table 5.8-3 School District Profiles, page 5.8-5. 5.8.1.5 Utilities, page 5.8-5. 5.8.1.6 Emergency and Other Public Services and Facilities, page 5.8-6. 5.4 Water Resources, pages 5.4-1 to 19. 4.0 Safety And Reliability, 4.3.4 Fuel Availability, pages 4.4 to 4-6 and 4.3.5 Water Availability, page 4-7.	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/200
2

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:			
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Table 5.8-6 Construction Personnel Requirements by Month, pages 5.8-9&10. Table 5.8-7 Plant Operation Workforce, page 5.8-11.	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;	5.11.2.1 Construction Phase Impacts, pages 5.11-11 to 13. Table 5.11-7 Project Construction Workforce Distribution, page 5.11-12. 5.8.2.1 Potential Construction -Related Impacts, Construction Impacts on Population, page 5.8-11. 5.8.2.2 Potential Operation-Related Impacts, Operation Impacts on Population, page 5.8-14.	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/2002

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	5.8.2.1 Potential Construction- Related Impacts, Construction Impacts on Population, page 5.8-11. 5.8.2.2 Potential Operation -Related Impacts, Operation Impacts on Population, page 5.8-14. 5.8 Environmental Impacts, page 5.8-8.	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	5.8.2.1 Potential Construction -Related Impacts, Construction Impacts on Housing, page 5.8-12. 5.8.2.2 Potential Operation-Related Impacts, Operation Impacts and Population, Operation Impacts on Housing, page 5.8-14.	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	5.8.2.1 Potential Construction-Related Impacts, Construction Impacts on Education, Construction Impacts on Utilities, Construction Impacts on Emergency and Other Public Services, pages 5.8-12&13.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/2002

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	5.8.2.2 Potential Operation-Related Impacts, Operation Impacts on Education, pages 5.8-14&15.	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	5.8.2.1 Potential Construction-Related Impacts, Construction Impacts on Fiscal Resources, page 5.8-14. 5.8.2.2 Potential Operation-Related Impacts, Operation Impacts on Employment and Economy, page 5.8-15.	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	Same as above.	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.	5.8.1.8 Fiscal Resources, page 5.8-7. Table 5.8-5 General Fund Revenues-City of Escondido, page 5.8-8.	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/20011/22/200
2

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. 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;	6.4.8 Socioeconomics, pages 6-21&22. Table 6.5-1 Summary of Environmental LORS Applicable to Palomar Energy Project, page 6-42. 6.4.8.2 State Authorities and Administering Agencies, page 6-21. 5.8.10 Response to CEC Staff Data Adequacy Comments, SOCIO-2, Appendix B (h) (1) (A) Information Required, pages 5.8.22 & 23.	No <u>Yes</u>	Please include California Government Code, Section 65996-65997 and discussion.
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.	Same as above.	No <u>Yes</u>	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.8.6 LORS Compliance, page 5.8-20. 5.8.3 Mitigation Measures, page 5.8-18.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	5.8.7 Involved Agencies and Agency Contacts, page 5.8-20.	No	Please provide 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.

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 12/7/2001 1/22/2002

Technical Area: Socioeconomics

Project: Palomar Energy

Technical Staff: Dr. Joseph Diamond

Project Manager: Mr. Bob Eller

Docket: 01-AFC-24

Technical Senior: Mr. Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
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.	5.8.8 Permits Required and Permit Schedule, page 5.8-20.	N/A	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 17, 2001
February 4, 2002

Technical Area: Soil Resources

Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller

Docket: 01-AFC-24

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.	Sections: 2.2 & 2.3 5.3.2 5.6.1.1 5.6.2 – 5.6.5	Yes	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figures 5.6-1 & -2	Yes No Yes	Maps at a scale of 1:24,000 for soil types and agricultural land are provided. inadequate soil descriptions (see below).
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Sections: 5.6.1.2 & 5.6.1.3 Table 5.6-1	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.	Section 5.6.1.2 Draft Supplement -- January 17, 2001, Page 5.6-11	No Yes	Section 5.6.1.2 describes the soils at the power plant site as having low fertility or toxicity. Please provide additional discussion on the potential for revegetation and pollution cycling for those soil types.
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:			
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Section 5.6.2.2	Yes	
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Section 5.2.3.5	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 17, 2001
February 4, 2002

Technical Area: Soil Resources Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller Docket: 01-AFC-24

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;	Sections: 5.6.6 – 5.6.9 6.4.6 Tables: 5.6-2 5.6-3 6.5-1	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.	Sections: 5.6.6 – 5.6.9 6.4.6 Tables: 5.6-2 & 5.6-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.4.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.6-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.6-2	Yes	

2 Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 1/28/02

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

Project Manager: Jim Fore

Docket: 01-AFC-24

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.11, Page 5.11-1; Section 5.11.1.1, Page 5.11-1; Section 5.11.2, Page 5.11-10; Section 5.11.2.1, Page 5.11-11 to p. 5.11-16; Section 5.11.2.2, Page 5.11-17; Section 5.11.3.1, Page 5.11-18; Section 5.11.4, Page 5.11-19; Section 5.11.5, Page 5.11-19; Section 5.11.5, Page 5.11-20	No Yes	Please provide description of effectiveness of proposed mitigation measures. Please provide plan for verification of effectiveness of proposed mitigation measures.
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 2.2-1, Page 2-3; Section 5.11.1.1, Page 5.11-1; Figure 5.11-1, Page 5.11-2; Section 5.11.1.1, Page 5.11-3; Section 5.11.1.4, Page 5.11-4; Section 5.11.9, Page 5.11-21	No Yes	Please provide required maps at a 1:250,000 scale.

2Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 1/28/02

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

Project Manager: Jim Fore

Docket: 01-AFC-24

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (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:	Section 5.11.1.3, Page 5.11-4 Figure 5.11-1, Page 5.11-2; Figure 5.11-2, Page 5.11-5; Figure 5.11-3, Page 5.11-6	No <u>Yes</u>	Please provide required maps at a 1:24,000 scale.
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	Figure 5.11-3, Page 5.11-6; Section 5.11.1.4, Page 5.11-7; Section 5.11.1.4, Page 5.11-8; Table 5.11-2, Page 5.11-8; Table 5.11-3, Page 5.11-8; Section 5.11.1.2, Page 5.11-14; Table 5.11-10, Page 5.11-14	No <u>Yes</u>	Please provide classification and design capacity for all potentially affected roadways.
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Figure 5.11-1, Page 5.11-2; Table 5.11-4, Page 1-9; Table 5.11-5, Page 1-10; Section 5.11.2.1, Page 1-13; Table 5.11-9, Page -13; Table 5.11-10, Page 5.11-14; Table 5.11-11, Page 5.11-16	No <u>Yes</u>	Please provide the date(s) for all traffic counts. Please provide peak hour turning movement counts for potentially affected intersections.

2 Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 1/28/02

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

Project Manager: Jim Fore

Docket: 01-AFC-24

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	S Section 5.11.1.4, Page 5.11-8; Table 5.11-4, Page 5.11-9; Table 5.11-5, Page 5.11-10; Section 5.11.2, Page 5.11-10; Section 5.11.2.1, Page 5.11-13; Table 5.11-10, Page 5.11-14; Section 5.11.2.2, Page 5.11-17;	No <u>Yes</u>	Please provide peak hour LOS for potentially affected intersections. Please provide LOS for all potentially affected roadways.
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Section 5.11.1.4, Page 5.11-4; Section 5.11.2.1, Page 5.11-16	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Section 5.11.1.4, Page 5.11-10; Section 5.11.2.1, Page 5.11-15; Section 5.11.2.1, Page 5.11-16;	Yes	

2 Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 1/28/02

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

Project Manager: Jim Fore

Docket: 01-AFC-24

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Section 2.4.1 Figure 2.2-2 Section 5.11.1.4, Page 5.11-4; Section 5.11.2.2, Page 5.11-17	No <u>Yes</u>	Please provide a description of road features affecting public safety on all potentially affected roadway segments. Please provide a description of horizontal and vertical curvature and limited sight distance conditions at the intersection of Enterprise Street and Vineyard Avenue. Please provide description of proposed intersection configurations along the planned portion of Citricado Parkway. Please provide a discussion of rail crossing operations at the intersection of Citricado Parkway/Nordahl Road and Mission Road.
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Section 5.11.1.1, Page 5.11-3; Section 5.11.1.3, Page 5.11-4; Figure 5.11-2, Page 5.11-5; Figure 5.11-3, Page 5.11-6	No <u>Yes</u>	Please provide description of proposed intersection configurations along new, planned, or programmed transportation facilities. Please provide required maps at a 1:24,000 scale.

2 Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 1/28/02

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

Project Manager: Jim Fore

Docket: 01-AFC-24

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	Section 5.11.2.1, Page 5.11-11 to p. 5.11-17 Table 5.11-7, Page 5.11-12; Table 5.11-8, Page 5.11-12; Table 5.11-9, Page 5.11-12; Table 5.11-10, Page 5.11-12; Table 5.11-11, Page 5.11-12; Table 5.11-12, Page 5.11-12; Section 5.11.2.2, Page 5.11-17 to p. 5.11-19; Section 5.11.3.1, Page 5.11-18; Section 5.11.5, Page 5.11-19; Section 5.11.5, Page 5.11-20	No <u>Yes</u>	Please provide LOS data for all potentially affected intersections. Please provide LOS analysis for operations phase of project. Please provide a discussion of access conditions to the site from Enterprise Street. Please provide a discussion of sight distance at the intersection of Enterprise Street and Vineyard Avenue.
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Section 5.11.2.1, Page 5.11-15; Section 5.11.2.1, Page 5.11-16; Section 5.11.2.2, Page 5.11-17; Section 5.11.3.1, Page 5.11-18	Yes	

2Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 1/28/02

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

Project Manager: Jim Fore

Docket: 01-AFC-24

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 6.5-1, Page 6-37	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.11-13, Page 5.11-21 Table 6.5-1, Page 6-37	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.4.11, Page 6-26	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.11.7, Page 5.11-20	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.11.8, Page 5.11-21	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date ~~12-17-2001~~
1-28-2002

Technical Area: Transmission System Eng.
Project Manager: Bob Eller

Project: Palomar Energy
Docket: 01-AFC-24

Technical Staff: Laiping Ng
Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 1.1, Page 1-1 Section 2.1, Page 2-1 Detailed Facilities Study (Draft Report), Dec. 2001	No Yes	Provide a System Impact Study or Detailed Facility that identifies the need for any downstream facilities.
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.	Section 2.4.4.1 Page 2-23	N/A.	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date ~~12-17-2001~~
1-28-2002

Technical Area: Transmission System Eng.
Project Manager: Bob Eller

Project: Palomar Energy
Docket: 01-AFC-24

Technical Staff: Laiping Ng
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 (b) (2) (C) Continued			<u>Yes</u> <u>Yes</u>	g. List mitigation measures considered (required) and those selected (optional Data Request will follow) for all criteria violations. <u>h.d.</u> Provide electronic copies of *.sav and *.drw PSLF files (optional-Data Requests will follow). Provide power flow diagrams (MW, @ loading & P.U. voltage) for base cases with and without the project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overloads or voltage violations appear
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.	Sections 2.6, Page 2-51 Section 2.4.4.1, Page 2-23,	Yes	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 2.4.4.1 Page 2-23	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.		See Transmission Line Safety and Nuisance	
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.		See Transmission Line Safety and Nuisance	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date ~~12-17-2001~~
1-28-2002

Technical Area: Transmission System Eng.
Project Manager: Bob Eller

Project: Palomar Energy
Docket: 01-AFC-24

Technical Staff: Laiping Ng
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;		See Transmission Line Safety and Nuisance	
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	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(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	
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

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: Visual Resources

Project: Palomar Energy Project

Technical Staff: Gary Walker

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.10. January 22, 2002 Data Adequacy Response, Pages 5.10-23 through 5.10-35, and Figure 5.10-1. January 31, 2002 Data Adequacy Response, Pages 5.10-26 through 5.10-35.	No <u>Yes</u>	Submittal of the information requested 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:	Section 5.10.	No <u>Yes</u>	Submittal of the information requested below will satisfy this requirement.

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: Visual Resources

Project: Palomar Energy Project

Technical Staff: Gary Walker

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (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 5.10-1, Section 5.10.1. January 22, 2002 Data Adequacy Response, Pages 5.10-23 and -24, and Figure 5.10-1. January 31, 2002 Data Adequacy Response, Page 5.10-27.	No <u>Yes</u>	<p>The required map (Figure 5.10-1) shows the location of Interstate 15 in a different location than on the U.S.G.S. 1:24,000 topographic map that covers the site (Escondido photorevised 1975). If the location of I-15 on Figure 5.10-1 is incorrect, please revise the figure to correct it.</p> <p>The text of the AFC (p.5.10-3) states that the figure illustrates “the power plant’s primary area of visibility.” Arrows on the figure (designated in the legend as “viewshed”) presumably indicate the boundary of that primary area. However, in two cases arrows are generally in line with other arrows, so they cannot all correctly indicate that boundary. Please revise the legend to more clearly define the arrows, and as appropriate revise the locations of the arrows.</p> <p>The text also states that “the boundaries of the area of potential visibility were set at three miles from the site layout.” However, Figure 5.10-1 does not cover all of the area within three miles of the site. Please revise the figure to cover that area.</p> <p>The revised version of Figure 5.10-1 still shows only the area within a radius of 1.5 miles from the proposed power plant site. The revised map is at the required scale of 1:24,000. Either the viewshed definition needs to be changed to a radius of 1.5 miles or the map needs to be revised and enlarged to show the area within a radius of 3 miles.</p> <p><u>The January 31, 2002 revision of Figure 5.10-1 shows the area within area within a radius of 3 miles from the proposed power plant site, which is consistent with the boundaries of the area of potential visibility set in the AFC. This requirement will be satisfied when the applicant provides hard copies of the map at the required scale of 1:24,000.</u></p>

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: Visual Resources

Project: Palomar Energy Project

Technical Staff: Gary Walker

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Page 5.10-2, Section 5.10.1.2.	N/A	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 5.10-1 and 5.10-2, Sections 5.10.1.1 and 5.10.1.2.	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.10-7 through 5.10-11, Section 5.10.1.	Yes	
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.10-3 through 5.10-6, 5.10-7 through 5.10-10. January 22, 2001 Data Adequacy Response, Page 5.10-24.	No <u>Yes</u>	The AFC (p.5.10-7) states that KOP-1 represents a "low number of viewers." Please provide a numeric estimate of the number of viewers. The AFC (p.5.10-9) states in regard to KOP-4 that "traffic along Harmony Grove Road represents a substantial number of potential viewers." Please specify the Average Daily Traffic (ADT) for that section of Harmony Grove Road. If the ADT is not available, please provide a numeric estimate of the traffic on that road.
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Page 5.10-13, Table 5.10-3.	Yes	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.10-2a through 5.10-8c.	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: Visual Resources

Project: Palomar Energy Project

Technical Staff: Gary Walker

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Page 5.10-3, Section 5.10.1.5; Pages 10-11 through 5.10-21, Section 5.10.2; Pages 5.10-23 and 5.10-24, Section 5.10.6. January 22, 2001 Data Adequacy Response, Pages 5.10-25 through 5.10-27.	No <u>Yes</u>	The AFC (p.5.10-3) states "Analysis of visible plumes from the power plant is not required, since the project will install and operate specially designed plume-abated cooling towers to eliminate the presence of visible plumes." However, the AFC (pp.2-37 and 2-37) only states that "The cooling tower's plume abatement design provides sufficient airflow to avoid the formation of a visible moisture plume above the cooling tower cells. Staff's understanding is that this type of design is ineffective in abating cooling tower plumes. Please either provide information that demonstrates that the proposed cooling tower design would prevent the formation of visible plumes; or provide an assessment, including plume modeling, of the visible cooling tower plumes. The AFC does not contain an assessment of the proposed project's potential visual impacts due to HRSG plumes. Please provide that assessment.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 6-43, Table 6.5-1; Pages 5.10-21 and 5.10-22, Section 5.10.3.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: **Visual Resources**
 Project Manager: Bob Eller

Project: Palomar Energy Project
 Docket: 01-AFC-24

Technical Staff: Gary Walker
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 6.5-1, p. 37.	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: Visual Resources

Project: Palomar Energy Project

Technical Staff: Gary Walker

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	<p>Pages 6-25 and 6-26, Section 6.4.10.</p> <p>January 22, 2001 Data Adequacy Response, Pages 5.10-27 through 5.10-29.</p> <p>January 31, 2002 Data Adequacy Response, Page 5.10-27.</p>	No <u>Yes</u>	<p>The AFC provides only a conclusory statement that the project will comply with the applicable LORS regarding visual resources. Please provide a discussion of how the project would comply with the requirements of the applicable LORS.</p> <p>The data adequacy response (pp.5.10-27 and 5.10-28) identifies the City of Escondido General Plan and the Escondido Research and Technology Center (ERTC) Specific Plan as containing the applicable LORS. Table 5.10-8 of the response (p.5.10-29) identifies the applicable provisions within the ERTC Specific Plan. However, that plan refers to the Comprehensive Policies and Design Guidelines set for in Chapter II of the specific plan, which are not provided. Please provide that information and a specific explanation of how the proposed project will comply with the policies and guidelines. The Specific Plan also addresses landscaping requirements. Please provide a conceptual landscaping plan to demonstrate how the proposed project will comply with these requirements.</p> <p><u>The January 31, 2002 data adequacy response (pp.5.10-31 through 35) expanded the summary provided in the January 22, 2002 submittal, although the response did not include the requested conceptual landscape plan. With the additional information the AFC minimally meets the data adequacy requirement.</u></p>
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.7-14, Section 5.7.7, Table 5.7-3.	Yes	

Adequacy Issue: Adequate **X** Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 01 Date February 1, 2002

Technical Area: **Visual Resources**
 Project Manager: Bob Eller

Project: Palomar Energy Project
 Docket: 01-AFC-24

Technical Staff: Gary Walker
 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) (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 provided. January 22, 2001 Data Adequacy Response , Page 5.10-30.	No <u>Yes</u>	The AFC (pp.5.7-11 through 5.7-13) discusses amendments to the City of Escondido General Plan and Quail Hills Specific Plan that are needed to make the project consistent with local LORS, and states that the applications for amendments have been submitted. However, the AFC does not provide a schedule indicating when approval of those amendments is expected. Please provide such a schedule, and specify the submittal date of the applications.

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~December 18, 2001~~
January 25, 2002

Technical Area: Waste Management

Project: Palomar Energy Project

Technical Staff: Alvin Greenberg

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sec. 2.4. Sec. 2.5. Sec. 2.6. Sec. 2.7. Sec. 2.8 Sec. 2.9	Yes	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 2.10	Yes	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.13.1 Sec. 5.13.1.3 Sec. 5.13.2. Sec. 5.13.3 Sec. 5.13.4 Sec. 5.13.5	Yes	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix H	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~December 18, 2001~~
January 25, 2002

Technical Area: Waste Management

Project: Palomar Energy Project

Technical Staff: Alvin Greenberg

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 5.13.2.1 Sec. 5.13.2.2 Response to CEC DA 1-17-02 Pages 5.13-10, 5.13-11	No <u>Yes</u>	Please provide a description of the amounts and frequency of each waste stream generated during construction and operation. A tabular format is preferred.
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Sec. 5.13.1.1 Sec. 5.13.1.2 Table 5.13-1	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 5.13.2.1 Sec. 5.13.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.5-1 Sec. 6.4.13.	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date ~~December 18, 2001~~
January 25, 2002

Technical Area: Waste Management

Project: Palomar Energy Project

Technical Staff: Alvin Greenberg

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.13-2 Table 6.5-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.13.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.13-2	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.13-3	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date January 28, 2002
February 4, 2002

Technical Area: Water Resources

Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller

Docket: 01-AFC-24

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.	Sections: 2.2 -- 2.4 5.3.2 5.4.1.1 – 5.4.1.4 5.4.2.6 – 5.4.2.9 5.4.3 – 5.4.5	Yes	
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:		N/A	
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Sections 5.4.2.1 – 5.4.2.5	Yes	
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Sections 5.4.2.7–5.4-16 Draft Supplement, Appendix G.1 – January 18, 2002	No Yes	Provide all information required by the Hale Avenue Resource Recovery Facility (HARRE) NPDES permit to accept the project's wastewater and stormwater discharges. Include all effluent limits and discharge conditions required by the City of Escondido to obtain an Industrial User Discharge Permit. Include a description of any pretreatment requirements necessary for the project to discharge its wastewater and stormwater to this facility under the existing NPDES permit.
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:		N/A	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date January 28, 2002
February 4, 2002

Technical Area: Water Resources

Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller

Docket: 01-AFC-24

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Section 5.4.1.2 Draft Supplement – January 18, 2002, p. 5.4-20	No <u>Yes</u>	Please provide a hydrostratigraphic map at a scale of 1:24,000
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Section 5.4.1.2 Draft Supplement – January 18, 2002, p. 5.4-20 & 21 Revised Supplement – February 4, 2002, pgs. 5.4-21 & 22 Revised Figure 5.4-1 Revised Supplement – February 4, 2002, p. 5.4-21	No <u>Yes</u>	It cannot be determined on Figure 2.2-1 if the water supply pipeline will cross Escondido Creek. Please provide a legible map at a scale of 1:24,000 that shows all surface water bodies in a one mile radius of the project; the route of the water supply, natural gas, sanitary, & stormwater pipelines; and all access roads to the power plant site. Figure 2.2-1 is still illegible, if a legible 8.5 x 11 inch map at a scale of 1:24,000 is not available, please provide the appropriate USGS 7.5 Series Quad; please annotate all project linears and site footprint on the USGS Quad. Please explain how Figure 2.4-1 “clarifies” that the water supply pipeline crosses Escondido Creek and the location of all surface water bodies within a one mile radius. Please provide an updated Figure 2.4-1 showing the location of the stormwater retention pond referenced in WATER-2 Response and a discussion of its size and type of construction.
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Sections 5.4.1.2 & 5.4.2.7	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:		N/A	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date January 28, 2002
February 4, 2002

Technical Area: Water Resources

Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller

Docket: 01-AFC-24

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;	Sections: 2.4.6.2 5.4.2.1 & 5.4.2.6	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Section 2.4.6.2 Tables 2.4-3 & 5.4-6	Yes	
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Section 2.4.6 Table 2.4-2 Figures 2.4-6 & 2.4-7 Section 5.4.2.4 Draft Supplement – January 18, 2002, p. 5.4-21	No Yes	Please provide information on the maximum daily water use for construction of the project. Include a breakdown in gpd for all construction activities including the water supply pipeline and the access roads.
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.	Sections 2.4.6.3 – 2.4.6.4 Figures 2.4-6 & 2.4-7 Section 5.4.2.1	Yes	
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:		N/A	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Section 5.4.2.7 Draft Supplement – January 18, 2002, p. 5.4-22 Figure 5.4-3	No Yes	Please provide information on stormwater runoff patterns at and around the site.

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 01 Date January 28, 2002
February 4, 2002

Technical Area: Water Resources

Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller

Docket: 01-AFC-24

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.	Section 5.4.2.7 Figure 2.5-2 Draft Supplement – January 18, 2002, p. 5.4-22 Figure 5.4-3	No <u>Yes</u>	Figure 2.5-2 shows pre- and post-project topography. Please provide additional text and a schematic of the site drainage facilities including location and connection points to the City of Escondido's storm drain system.
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:		N/A	
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Section 5.4.2.6	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Sections 5.4.2.6 – 5.4.2.9 Draft Supplement – January 18, 2002, p. 5.4-22	No <u>Yes</u>	Please provide an assessment of the indirect and cumulative impacts associated with site and linear construction, including laydown areas, on surface water bodies.
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Section 5.4.2.7	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;	Sections: 5.4.6 6.4.4 Table 6.5-1	Yes	

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date January 28, 2002
February 4, 2002

Technical Area: Water Resources

Project: Palomar Energy Project

Technical Staff: Richard Latteri

Project Manager: Robert Eller

Docket: 01-AFC-24

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.4.7 Tables: 5.4-7 6.5-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sections 5.4.2.6 – 5.7 Draft Supplement – January 18, 2002, p. 5.4-23	No Yes	If Escondido Creek or other drainages are crossed by linear facilities, please provide a discussion of the project conformance with any laws, regulations, ordinances, standards, or permits that may be required.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.4.7 Table 5.4-7	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.	Section 5.4.8 Table 5.4-8	Yes	