

Memorandum

Date : December 26, 2001
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)**

We have reviewed the Palomar Energy Project (PEP) Application for Certification (AFC) filed by Palomar Energy LLC (Palomar Energy) on November 28, 2001. The applicant proposes to construct and operate a 500 megawatt (MW) natural gas-fired, combined-cycle electric generating facility.

Staff does not believe the AFC meets the requirements of Title 20, § 1704, Appendix B for the 12-month process. Therefore, we recommend that the Energy Commission find the AFC inadequate and adopt the enclosed list of deficiencies. Of the 23 technical disciplines reviewed, we believe the information contained in the AFC is deficient in 14 areas. The sections of the AFC that require additional information to meet data adequacy for the twelve-month process are: Air Quality, Alternatives, Biological Resources, Cultural Resources, Land Use, Noise, Reliability, Socioeconomics, Soil Resources, Traffic and Transportation, Transmission System Engineering, Visual Resources, Waste Management, and Water Resources.

Attached is a summary table and data adequacy worksheets for all technical disciplines. The worksheets for the aforementioned sections identify the additional information that we believe is necessary to fulfill the AFC data adequacy requirements.

At the Energy Commission's business meeting on January 9, 2002, I will be recommending that the Energy Commission adopt the aforementioned deficiencies and not accept the AFC until the additional information specified in the data adequacy worksheets is supplied.

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

cc:

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

TECHNICAL AREA	ATTACHMENT PAGE NO.	ADEQUATE?
Air Quality	1	No
Alternatives	10	No
Biological Resources	11	No
Cultural Resources	15	No
Efficiency	19	Yes
Facility Design	21	Yes
Geological Hazards	24	Yes
Hazardous Materials	26	Yes
Land Use	28	No
Noise	33	No
Paleontological Resources	37	Yes
Project Overview	40	Yes
Public Health	44	Yes
Reliability	46	No
Socioeconomics	49	No
Soil Resources	56	No
T-Line Safety and Nuisance	59	Yes
Traffic and Transportation	61	No
Transmission System Engineering	67	No
Visual Resources	71	No
Waste Management	75	No
Water Resources	78	No
Worker Safety and Fire Protection	82	Yes

ATTACHMENT B

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

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

December 26, 2001

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/18/01

Technical Area: **Air Quality**

Project: Palomar Energy Project

Technical Staff: Birdsall/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) (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	Discuss the effectiveness of construction mitigation on p. 5.2-43 to mitigate PM ₁₀ impacts identified on p. 5.2-24 and 25. Identify and discuss effectiveness of measures to offset operational NO _x , VOC, SO _x , and PM ₁₀ emissions because of state-level PM ₁₀ nonattainment.
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		No	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.
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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

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Project: Palomar Energy Project

Technical Staff: Birdsall/Walters

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Matthew Layton

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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	An estimate of criteria air contaminant emissions from secondary sources (e.g., ammonia delivery and employee vehicles).
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	§5.2.3.1 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	
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	

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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 Page (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 Page (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	
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 p (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	

Adequacy Issue: Adequate _____ Inadequate **X**

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Revision No. 0 Date 12/18/01

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Technical Staff: Birdsall/Walters

Project Manager: Bob Eller

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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 Page (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 Page 5.2-43 to 44	No	Quantify NOx, VOC, SOx, and PM10 offsets necessary to address attainment of state PM10 standards as required by the CEC siting process.
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	Identify potential sources for offsets of PM10 and PM10 precursors.
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Confidential Filing as of 12/5/01.	No	Identify method of reduction for offsets of PM10 and PM10 precursors.
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	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.

Adequacy Issue: Adequate _____ Inadequate **X**

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Technical Area: **Air Quality**

Project: Palomar Energy Project

Technical Staff: Birdsall/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 (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	
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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

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	No	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	No	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	No	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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 13, 2001

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:	Yes Yes Yes No	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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 13, 2001

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) (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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 13, 2001

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) (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:	No	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.
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:	No	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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 13, 2001

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) (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	
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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 12/17/01

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) (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 through 5.16-17	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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 12/17/01

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	No	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.	Confidential Appendix (Copy of Information from CHRIS)	No	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	No	Provide copies of letters sent to Native Americans that describe the proposed project.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 12/17/01

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	No	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 I, 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 **X**
 Technical Area: Cultural Resources
 Project Manager: Bob Eller

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 12/17/01
 Technical Staff: Dorothy Torres
 Technical Senior: Dale Edwards

Project: Palomar Energy
 Docket: 01-AFC-24

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. 0 Date December 14, 2001

Technical Area: Efficiency

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, 2.1, 2.3, 2.4.1, 2.4.2, Figure 2.4-3, Figures 2.4-4, 2.4.3.1-2.4.3.3, 2.4.5, 2.4.9.1, 2.5.8, 2.7.1, 2.9, 3.3.2, 3.4.1, 3.4.2, 3.4.3, 3.4.5, 3.5.1-3.5.6, 4.3.4, Appendix K	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Figures 2.4-3, Figures 2.4-4	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§§ 2.4.2, 2.4.5, Figures 2.4-3, Figures 2.4-4, 2.9, Appendix K	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 2.4.2, 2.4.5, Figures 2.4-3, Figures 2.4-4, 2.9	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 2.4.2, 2.9	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.		N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 14, 2001

Technical Area: Efficiency

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) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 3.4.1-3.4.3, 3.4.5, 3.5.1-3.5.6	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		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	
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. 0 Date December 13, 2001

Technical Area: Facility Design

Project: Palomar Energy Project

Technical Staff: Shahab Khoshmashrab

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) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Water Resources		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Water Resources		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Water Resources		
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources		
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Water Resources		
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 §§ 4.4, 5.5.6, 6.0 Appendix D	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.	Tables 5.5-2, 6.5-1 § 5.5.7	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 13, 2001

Technical Area: Facility Design

Project: Palomar Energy Project

Technical Staff: Shahab Khoshmashrab

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 (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 6.5-1 Appendix D	Yes	
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.5-2	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 5.5-3	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§§ 1.3.4, 1.3.5, 4.1.1, 5.4.1, 5.5 Appendices C, D1, D2	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§§ 1.3.4, 1.3.5, 4.1.1 Appendices C, D1, D2	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§ 2.5 Appendices C7, D	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	Figures 2.2-1, 2.4-1, 2.4-2, 2.4-3, 2.4-4, 2.4-5, 2.4-6, 2.4-7	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 13, 2001

Technical Area: Facility Design

Project: Palomar Energy Project

Technical Staff: Shahab Khoshmashrab

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) (1) (D) (i)	The power generation system;	§§ 1.1, 2.1, 2.4.1, 2.4.2, 2.4.3	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§§ 2.4.2, 2.4.6.4	Yes	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§§ 1.1, 1.3.4, 2.1, 2.4.6.2, 2.4.6.3, 2.7.2, 4.3.5, 5.4	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§§ 2.4.3.1, 2.4.3.2, 2.4.9, 5.2	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§§ 1.1, 1.3.1.3, 1.3.4, 2.1, 2.4.7, 2.4.8, 5.13	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);		N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§§ 1.1, 2.1, 2.4.1, 2.4.4.1, 2.6	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.		N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/26/2001

Technical Area: Geological Hazards

Project: Palomar Energy Project

Technical Staff: Dal Hunter

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.	Appendix C Page 2.7 Section 2.3 Pages 5.5-7 to 5.5-12 Sections 5.5.1.5 to 5.5.5	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Pages 5.5-1 to 5.5-9 Sections 5.5.1.1 to 5.5.1.6 Figure 5.5.2	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Pages 5.5-1 to 5.5-9 Section 5.5.1 Figure 5.5.1	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Page 5.5-6; 5.5.9, Section 5.5.1.3; 5.5.1.6	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 6.5-1	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/26/2001

Technical Area: Geological Hazards

Project: Palomar Energy Project

Technical Staff: Dal Hunter

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.	Page 5.5-12 Table 5.5-2	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.5-12 Section 5.5.6, 5.5.7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.5-12 Table 5.5-2	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/19/01

Technical Area: Hazardous Materials Handling

Project: Palomar Energy Project

Technical Staff: Rick Tyler

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
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 5.12.1 and 5.12.2	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.12-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.12-1	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.12.3	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	The modeling has been executed and available in section 5.12.3.1	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.12.3	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/19/01

Technical Area: Hazardous Materials Handling

Project: Palomar Energy Project

Technical Staff: Rick Tyler

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.12.4	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.12.2	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	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.12-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.4.12	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.12.8	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.12.9	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Land Use

Project: Palomar Energy Project

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) (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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Land Use

Project: Palomar Energy Project

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	
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	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.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Land Use

Project: Palomar Energy Project

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) (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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Land Use

Project: Palomar Energy Project

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) (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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Land Use

Project: Palomar Energy Project

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) (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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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) (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 Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L10, L50, and L90 values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	AFC Section 5.9, Pages 5.9-1 through 5.9-4.	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	AFC Section 5.9.2.2	No	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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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) (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	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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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) (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. 0 Date 12/26/2001

Technical Area: Paleontological Resources

Project: Palomar Energy Project

Technical Staff: Dal Hunter

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.	Page 2.7, Section 2.3 Pages 5.17-4 to 5.17-5 Sections 5.17.2 to 5.17.5	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Page 5.17-2 Section 5.17.1	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Page 5.17-4 Section 5.17.2	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Page 5.17-1 to 5.17-4 Sections 5.17, 5.17.1.2, 5.17.2	Yes	
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Figure 5.17-1 Appendix J	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/26/2001

Technical Area: Paleontological Resources

Project: Palomar Energy Project

Technical Staff: Dal Hunter

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) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Pages 5.17-4 to 5.17-5 Section 5.17.2	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;	Pages 6.34 to 6.35 Section 6.4.17	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.		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	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/26/2001

Technical Area: Paleontological Resources

Project: Palomar Energy Project

Technical Staff: Dal Hunter

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) (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. 0 Date _____

Technical Area: Project Overview

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
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Section 2.0 Section 3.0 Section 4.0 Section 5.0	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Section 2.0 Section 3.0 Section 4.0 Section 5.0	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Section 3.0 Section 4.0 Section 5.0	Yes	
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Section 7.0	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Section 1.0 Section 2.0	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Page 2.1, Section 2.2	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Page 3-1, Section 2.2 Page 3-1, Figures 2.2-1, 2.2-2 and 2.3-1	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

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 (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Pages 5.10-26 through 5.10-48 Figures 5.10-2 through 5.10-24	Yes	
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix A (AFC Vol. II)	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Page 2-53, Section 2.8	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Page 2-1, Section 2.1	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Page 2-1, Section 2.1	Yes	
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Page 2-1, Section 2.1	Yes	
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Page 2-2, Figure 2.2-1 Page 2-13, Figure 2.4-1 Page 2-1, Section 2.2	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

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) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Page 2-13, Figure 2.4-1 Page 2-15, Figure 2.4-2	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Page 2-11, Section 2.4	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	N/A	Yes	Project involves no new transmission lines.
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	N/A	Yes	Project involves no new transmission lines. Existing lines near plant site will be underground.
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date _____

Technical Area: Project Overview

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 (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Page 2-55, Section 2.10	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Public Health

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) (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. 5.15.1 Sec. 5.15.2.3 Sec. 5.15.3 Sec. 5.15.4 Sec. 5.15.5 Appendix E.2 Appendix E.3	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Table 5.15-1 Table 5.15-2 Table 5.15-3 Table 5.15-4 Table 5.15-5	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 5.15.2.2 Appendix E.4	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Figure 5.15-1	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Figure 5.12-1 Table 5.15-6	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

Technical Area: Public Health

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) (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. 6.4.2.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.15-9 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. 5.15.6	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 5.15-9	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 5.15-10	Yes	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 14, 2001

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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 14, 2001

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) (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	
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.	Not Found	No	Describe the power plant maturation period.
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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 14, 2001

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 (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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/7/2001

Technical Area: Socioeconomics
 Project Manager: Mr. Bob Eller

Project: Palomar Energy
 Docket: 01-AFC-24

Technical Staff: Dr. Joseph Diamond
 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.	<p>Affected Environment, page 5.8-1.</p> <p>5.8.1.1 Project Area, page 5.8-1.</p> <p>Potential Construction-Related Impacts, page 5.8-11 and Construction Impacts on Employment and Economy, pages 5.8-13&14.</p> <p>Potential Operation-Related Impacts, pages 5.8-14 to 16.</p> <p>Mitigation Measures, page 5.8-18.</p> <p>Significant Unavoidable Adverse Impacts, page 5.8-18.</p> <p>Cumulative Impacts, pages 5.8-18&19.</p> <p>Environmental Justice Screening Analysis, Page 5.8-16.</p> <p>Figure 5.8-2 Environmental Justice Screening, page 5.8-17.</p>	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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/7/2001

Technical Area: Socioeconomics
 Project Manager: Mr. Bob Eller

Project: Palomar Energy
 Docket: 01-AFC-24

Technical Staff: Dr. Joseph Diamond
 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 Inadequate **X**

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 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.	No	Please provide an estimate of projected unemployment rates.
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	

Adequacy Issue: Adequat Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/7/2001

Technical Area: Socioeconomics
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Project: Palomar Energy
 Docket: 01-AFC-24

Technical Staff: Dr. Joseph Diamond
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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) (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	
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	

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET

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Project: Palomar Energy
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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) (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	
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.	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.	Yes	

Adequacy Issue: Adequate Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/7/2001

Technical Area: Socioeconomics
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Project: Palomar Energy
 Docket: 01-AFC-24

Technical Staff: Dr. Joseph Diamond
 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) (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	
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: Adequat e Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/7/2001

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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 (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.	No	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	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.8.2 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.
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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 17, 2001

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	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	No	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:		N/A	
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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 17, 2001

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	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 16, 2001

Technical Area: T-Line Safety and Nuisance

Project: Palomar Energy Project

Technical Staff: Obed Odoemelam

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 (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.		N/A	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N/A	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and		N/A	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 16, 2001

Technical Area: T-Line Safety and Nuisance

Project: Palomar Energy Project

Technical Staff: Obed Odoemelam

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) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.		N/A	
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 1.0, Page 1.1. Section 2.0, Pages 2-7, 2-11 and 2-51.	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 4.0, Page 4-2. Appendix 5C.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 2.0, Page 2-51.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 6.0, Page 6-9.	Yes	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

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Project: Palomar Energy Project

Technical Staff: Obed Odoemelam

Project Manager: Bob Eller

Docket: 01-AFC-24

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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.	Section 6.0, Page 6-9.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.0, Pages 6-9.	Yes	
Appendix B (h) (3)	The name, title, phones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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	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	Please provide required maps at a 1:250,000 scale.

Adequacy Issue: Adequate _____ Inadequate **X**

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Revision No. 0 Date 12/17/01

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	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	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	Please provide the date(s) for all traffic counts. Please provide peak hour turning movement counts for potentially affected intersections.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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;	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	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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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 5.11.1.4, Page 5.11-4; Section 5.11.2.2, Page 5.11-17	No	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	Please provide description of proposed intersection configurations along new, planned, or programmed transportation facilities. Please provide required maps at a 1:24,000 scale.

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

Technical Area: Traffic and Transportation

Project: Palomar Energy Project

Technical Staff: Steven Brown/Tim Taylor

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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	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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/17/01

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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12-17-2001

Technical Area: Transmission System Eng.

Project: Palomar Energy

Technical Staff: Laiping Ng

Project Manager: Bob Eller

Docket: 01-AFC-24

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	No	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 P 2-23	N/A.	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12-17-2001

Technical Area: Transmission System Eng.

Project: Palomar Energy

Technical Staff: Laiping Ng

Project Manager: Bob Eller

Docket: 01-AFC-24

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)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 1.1, Page 1-1 Section 2.1, Page 2-1 Section 2.6, Page 2-51 Appendix B	No	<p>The System Impact Study was done for 2001. Please provide a System Impact Study for 2004. The Study should analyze the system impact with and without the project during peak and off-peak system conditions, which will demonstrate conformance or non-conformance with the utility reliability and planning criteria with the following provisions:</p> <ul style="list-style-type: none"> a. Identify major assumptions in the base cases including imports to the system, major generation and load changes in the system and queue generation. b. Analyze system for N-0, important N-1 and critical N-2 contingency conditions and provide a list of criteria violations in a table showing the loadings before and after adding the new generation. c. Short circuit studies (Optional- Data requests will follow). d. Analyze system for Transient Stability and Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related plots, switching data and a list for voltage violations in the studies (Optional- Data requests will follow). e. Identify the reliability and planning criteria utilized to determine the criteria violation. f. Provide a list of contingencies evaluated for each study. g. List mitigation measures considered (required) and those selected (optional- Data Requests will follow) for all criteria violations. h. Provide electronic copies of *.sav and *.drw PSLF files (optional-Data Requests will follow). <p>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.</p>

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12-17-2001

Technical Area: Transmission System Eng.

Project: Palomar Energy

Technical Staff: Laiping Ng

Project Manager: Bob Eller

Docket: 01-AFC-24

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) (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 Pages 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	
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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12-17-2001

Technical Area: Transmission System Eng.

Project: Palomar Energy

Technical Staff: Laiping Ng

Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Al McCuen

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

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 20, 2001

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.	No	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	Submittal of the information requested below will satisfy this requirement.
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.	No	<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>

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 20, 2001

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.	No	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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 20, 2001

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; Pages10-11 through 5.10-21, Section 5.10.2; Pages 5.10-23 and 5.10-24, Section 5.10.6.	No	<p>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.</p> <p>The AFC does not contain an assessment of the proposed project’s potential visual impacts due to HRSG plumes. Please provide that assessment.</p>
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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 20, 2001

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) (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, Page 37.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 6-25 and 6-26, Section 6.4.10.	No	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.
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	
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.	No	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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

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	No	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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 18, 2001

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 **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 17, 2001

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	No	Provide all information required by the Hale Avenue Resource Recovery Facility (HARRF) 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 _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 17, 2001

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	No	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	No	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.
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	
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	No	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	

Adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 17, 2001

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)	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	No	Please provide information on stormwater runoff patterns at and around the site.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Section 5.4.2.7 Figure 2.5-2	No	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	No	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 _____ Inadequate **X**

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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.	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	No	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	

Adequacy Issue: Adequate Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 12/19/01

Technical Area: Worker Safety & Fire Protection

Project: Palomar Energy Project

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Project Manager: Bob Eller

Docket: 01-AFC-24

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.14.1 & 5.14.2	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.14.3.1	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 5.12.2	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:			
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);	Section 5.14.3.1	Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);	Section 5.14.3.1	Yes	
	• Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	Section 5.14.3.1	Yes	
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);	Section 5.14.3.1	Yes	
* Fire Prevention Plan (8 Cal. Code Regs., § 3221);	Section 5.14.3.1	Yes		
* Emergency Action Plan (8 Cal. Code Regs., § 3220);	Sections 5.14.3.1	Yes		

Adequacy Issue: Adequate Inadequate

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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
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	Section 5.14.3.1	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 6.3.1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.14-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 6.3.2	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.	Section 5.14.7	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.	Table 5.14-4	Yes	