State Of California **The Resources Agency of California**

Memorandum

Date: December 29th, 2007
Telephone: (916) 654-4996

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

DOCKET
06-AFC-10
DATE DEC 29 2006
RECD DEC 29 2006

From: California Energy Commission **B. B. Blevins**
1516 Ninth Street **Executive Director**
Sacramento, CA 95814-5512

Subject: REVISED DATA ADEQUACY RECOMMENDATION FOR STARWOOD POWER – MIDWAY PEAKING PROJECT, (06-AFC-10)

Staff's December 15, 2006 initial data adequacy review of the Starwood Power - Midway peaking electrical power plant Application for Certification (AFC) determined that it did not contain all the information required by California Code of Regulations, Title 20, Section 1704, including Appendix B, for the 12-month process. Specifically, the AFC was deficient in eight of the 23 areas: air quality, biological resources, project overview, reliability, socioeconomics, traffic & transportation, transmission system engineering, and visual resources. On December 21st and 26th, 2006, Starwood Power – Midway LLC (applicant) submitted draft supplemental material to address the deficiencies. Staff has reviewed the draft supplemental information and determined that the AFC is now data adequate in all 23 technical disciplines. The applicant will file the official supplemental information for docketing prior to the January 3, 2007 business meeting.

Attached is a summary table and revised data adequacy worksheets for the eight technical disciplines previously determined to be data inadequate, reflecting that the supplemental information submitted by the applicant makes the AFC adequate.

On November 17, 2006, Starwood Power-Midway, LLC, submitted an Application for Certification (AFC) to construct and operate a nominal 120 megawatt natural gas-fired simple-cycle power plant in an unincorporated area of western Fresno County on the same parcel as the proposed Panoche Energy Center (06-AFC-5). The proposed project consists of two Pratt & Whitney FT8-3 SwiftPac Gas Turbine Generator units and associated equipment. The proposed Midway project is designed as a peaking facility.

We have received comments from the County of Fresno regarding the County's noise ordinance as well as hazardous materials management requirements. The Central Valley Reqional Water Quality Control Board submitted comments regarding the potential for elevated levels of selenium in the project's wastewater. On December 27, 2006 the San Joaquin Valley Air Pollution Control District provided an email to the Energy Commission stating that they've determined the applicant's Authority to Construct

Application is complete and will be providing a letter to that effect.

At the Energy Commission's business meeting on January 3, 2007, staff will recommend that the Energy Commission accept the Starwood Power - Midway AFC with the supplemental information as data adequate, and request that a committee be appointed.

If you have any questions, please call Che E. McFarlin, staff's Project Manager, at (916) 651-0965.

Attachments

ATTACHMENT A

OVERVIEW OF ENERGY COMMISSION STAFF'S REVISED DATA ADEQUACY DETERMINATION STARWOOD POWER – MIDWAY PEAKING PROJECT 06-AFC-10

Technical Area	Attachment B Page No.	Adequate ?
AIR QUALITY.....	5	YES
BIOLOGICAL RESOURCES.....	11	YES
PROJECT OVERVIEW.....	15	YES
RELIABILITY.....	19	YES
SOCIOECONOMICS.....	22	YES
TRAFFIC AND TRANSPORTATION.....	26	YES
TRANSMISSION SYSTEM ENGINEERING.....	29	YES
VISUAL RESOURCES	32	YES

ATTACHMENT B

ENERGY COMMISSION STAFF'S
Data Adequacy Determination
Revised to Reflect AFC Supplement

Starwood – Midway Peaking Project
06-AFC-10

December 29, 2006

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Air Quality** Project: Starwood Power Technical Staff: William Walters

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Matt 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.	Section 3.4.12.6 page 3-25 Section 5.2 pages 5.2-1 to 5.2-54 Appendix I Attachment B	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	SJVAPCD completeness letter.	~~No~~ Yes	~~Please provide notice from the San Joaquin Valley Air Pollution Control District (SJVAPCD) that the project application is sufficient to complete a Determination of Compliance.~~ ~~(SJVAPCD received permit application on 11/22/06 and has by rule until 12/22/06 to finish the completeness evaluation.)~~
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 1.2.2 page 1-3 Section 2.3 page 2-2 Figures 3-4A, 4B and 4C Table 5.2-12 page 5.2-15 Section 5.2.4 page 5.2-36 Appendix I, Attachment C Air Quality and Public Health Modeling Files DVD. Supplemental AFC Response AQ-2	~~No~~ Yes	~~Please provide the heating value and chemical characteristics of the proposed turbine natural gas fuel.~~
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 3.4.12 pages 3-22 to 3-24 Section 5.2.5.10.5 pages 5.2-45 and 5.2-46 Appendix I Attachment B Appendix I Attachment E	Yes	

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Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Matt Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Section 3.4.6 (No cooling tower proposed, air cooling only)	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 5.2.2.2 page 5.2-14 to 5.2-19 Appendix I, Attachment C	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 5.2.2.2 pages 5.2-14 to 5.2-19, Table 5.2-12 through Table 5.2-15 Appendix I, Attachment C	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 5.2.1.2 pages 5.2-3 to 5.2-11 and Table 5.2-2 to 5.2-8	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Section 5.2.2.3 pages 5.2-22 and 5.2-23 Air Quality and Public Health Modeling Files DVD	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Section 5.2.2.3.3 pages 5.2-22 and 5.2-23 Appendix I, Attachment A Air Quality and Public Health Modeling Files DVD	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;	Section 5.2.2.4.1 pages 5.2-29 and 5.2-30 Table 5.2-18 page 5.2-31 Air Quality and Public Health Modeling Files DVD	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO_x, SO_2, CO and PM_{10}) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 5.2.2.4.2 pages 5.2-30 to 5.2-33 and Table 5.2-18 and 5.2-19 Air Quality and Public Health Modeling Files DVD	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Section 5.2.3 page 5.2-35 Appendix I Attachment D	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:		---	
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;	Section 5.2.4, Table 5.2-21 pages 5.2-36 and 5.2-37	Yes	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 5.2.4 page 5.2-37 Confidential ERC Filing Supplemental AFC Response AQ-3	~~No~~ Yes	~~Please provide information regarding the specific ERC certificates that are currently in negotiation for purchase from the certificate owners listed in the Confidential ERC Filing including the specific ERC certificate numbers and total emission reduction credit values available by quarter from each of these certificates, and for both purchased and in negotiation ERC certificates please provide the address or location of the emission reduction source.~~ ~~The requested ERC information can be provided as a Confidential filing.~~
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Section 5.2.4 page 5.2-37 Confidential ERC Filing Supplemental AFC Response AQ-4	~~No~~ Yes	~~Please provide the method of emission reduction for both purchased and in negotiation ERC certificates.~~ ~~The requested ERC information can be provided as a Confidential filing~~.
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.	Figure 5.2-1	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 5.2-27 pages 5.2-50 through 5.2-52 Section 5.2.5 pages 5.2-37 to 5.2-50	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Air Quality** Project: Starwood Power Technical Staff: William Walters

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Matt 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) (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 5.2-27 pages 5.2-50 through 5.2-52	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.2.5 pages 5.2-37 to 5.2-50	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 5.2.6, Table 5.2-28 page 5.2-53	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 5.2.7 page 5.2-51	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 29, 2006

Technical Area: **Biological Resources** Project: Starwood Power Technical Staff: Joanna Grebel

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Rick York

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing Site Conditions: Sec. 5.6.1, pgs. 5.6-1 to 5.6-4	Yes	
		Direct, Indirect, Cumulative Impacts: Sec. 5.6.2.1.1, Sec. 5.6.2.1.2, Sec. 5.6.2.3, Sec 5.18, pgs. 5.18-1 to 5.18-5	Yes	
		Mitigation Measures and Monitoring: Sec. 5.6.3, pg. 5.6-14	Yes	
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Sensitive Species Discussion: Sec. 5.6.1.5, pgs. 5.6-5 to 5.6-8, Table 5.6-1	Yes	
		Maps: Figs. 5.6-1 and 5.6-2	Yes	
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of 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.	Maps: Figs. 5.6-1 and 5.6-2	Yes	
		Species List: Sec. 5.6.1, Table 5.6-2	Yes	
		Sensitive Species List: Table 5.6-1	Yes	

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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.	Survey Descriptions and Results: Sec. 5.6.1.1, pgs. 5.6-2 to 5.6-3 Qualifications: Sec. 5.6.1.1 Supplemental AFC Response BIO-5 CNDDB Field Survey Forms: Appendix N	Yes ~~No~~ Yes N/A	~~Applicant needs to provide a resume for the biologist who conducted the biological surveys.~~
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.	Discussion of Permanent and Temporary Impacts: Sec. 5.6.2.1.1, Sec. 5.6.2.1.2, Sec. 5.6.2.1.3, Sec. 5.6.2.1.4, Sec. 5.6.2.2 Cooling Tower Drift Analysis: Use and Discharge of Water: Supplemental AFC Response BIO-6	Yes N/A ~~No~~ Yes	~~Applicant needs to provide a discussion of potential impacts from the use and discharge of water during construction and operation, specifically as it relates to the discharge of water into the evaporation pond.~~
Appendix B (g) (13) (E)	A discussion of the following:	- - - -	___	
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Mitigation Measures: Sec. 5.6.3 and 5.6.4	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation Measures: Sec. 5.6.3 and 5.6.4	Yes	

Adequacy Issue: Adequate **X** Inadequate ____ **DATA ADEQUACY WORKSHEET** Revision No. 0 Date December 29, 2006

Technical Area: **Biological Resources** Project: Starwood Power Technical Staff: Joanna Grebel

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Rick York

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) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	WEAP Program: Sec. 5.6.3	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Mitigation Measures: Sec. 5.6.3 and 5.6.4	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Commercial/Recreational Species: Supplemental AFC Response BIO-7	~~No~~ Yes	~~Applicant needs to include a discussion of whether or not any native fish and wildlife species with commercial or recreational value exist in the project region and whether they will be affected.~~
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;	State or Federally Listed Species: Sec. 5.6.1.5, Table 5.6-1	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	State or Federally Listed Species: Sec. 5.6.1.5, Table 5.6-1	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	State or Federally Listed Species: Sec. 5.6.1.5, Sec. 5.6.1.6, Table 5.6-1	Yes	

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Technical Area: **Biological Resources** Project: Starwood Power Technical Staff: Joanna Grebel

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Rick York

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS Compliance: Sec. 5.6.5, pgs. 5.6-12 to 5.6-16, Table 5.6-3	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Administrative Agency Contacts: Sec. 5.6.5, pgs. 5.6-14 to 5.6-18, Table 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).	LORS Compliance: Sec. 5.6.5, pg. 5.6-12 to 5.6-16	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Administrative Agency Contacts: Sec. 5.6.5.4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit Schedule: Sec. 5.6.5.5	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Project Overview**
Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: Che McFarlin
Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Throughout AFC	N/A	Please see the individual technical areas for a determination regarding the adequacy of this item
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	Throughout AFC	N/A	Please see the individual technical areas for a determination regarding the adequacy of this item.
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	Throughout AFC	N/A	Please see the individual technical areas for a determination regarding the adequacy of this item.
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.	Sec. 7.0, Pg. 7-1	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Sec. 3.0, Pgs. 3-1 to 3-58	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.	Sec. 1.2.1, Pg. 1-2 Sec. 3.2, Pg. 3-2 Sec. 5.9.1.2, Pg 5.9-1	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Sec. 3.2, 3.3 Pg 3-2 to 3-4 Fig. 1.2-1, 3.2-1, 3.3-1	Yes	

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Technical Staff: Che McFarlin
Technical Senior: Eileen Allen

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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.	Fig. 5.13-2 Supplemental AFC Response PO-8 Figures 5.13-2(a), 5.13-2(b), 5.13-13(a), and 5.13-13(b)	~~No~~ Yes	~~Please provide full-page color photographic reproduction depicting the visual appearance of the site prior to construction and a full-page color simulation of the site after construction. The AFC includes the necessary figures in half page format. Please provide Fig 5.13-2 and Fig 5.13-13 in a scaleable electronic format.~~
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 R	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.	Sec. 3.8, 3.8.1 Table 3.8-1 Pg. 3-40	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.	Sec. 5.9.1.3.2, Pg 5.9-4 Table 5.9-1, Pg 5.9-3	Yes	
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Sec. 1.4	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).	Sec. 2.0 Supplemental AFC Response PO-#9 Filed as Confidential Information	~~No~~ Yes	~~Please describe the legal relationship between Starwood Power and Calpeak Power.~~

Adequacy Issue: Adequate **X** Inadequate ___

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Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: Che McFarlin
Technical Senior: Eileen Allen

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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;	Figure 3.2-1	Yes	
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Figures 3.4-1, 3.4-2	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	Sec. 3.4, Pgs 3-4 to 3-58	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).	Figures. 3.2-1, 3.4-1 Supplemental AFC Response PO-10 Figure A +B	~~No~~ Yes	~~Please provide a map depicting the existing and proposed transmission lines within one mile of the project site.~~
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Figure 5.13-13 Supplemental AFC Response PO-11 Figure A +B	~~No~~ Yes	~~Please provide a full page photographic reproduction of the route for the proposed transmission line and a full page color simulation showing the proposed transmission line after reconductoring.~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Project Overview**
Project Manager: Che McFarlin
Project: Starwood Power
Docket: 06-AFC-10
Technical Staff: Che McFarlin
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 (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	Not Applicable
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	Not Applicable
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	Not Applicable
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 3.10 Pg. 3-48 to 3-49	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 29, 2006

Technical Area: **Reliability**
Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: Steve Baker
Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (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, 1.2.2, 1.2.3, 1.2.4, 2.1, 2.2, 2.3, 3.1, 3.3.1, 3.3.2.2, 3.4.1, 3.4.2, 3.4.4, 3.4.5, 3.4.5.1, 3.4.5.1.1, 3.4.5.2, 3.4.6, 3.4.7.3, 3.4.7.4, 3.4.7.5, 3.4.7.6, 3.4.8, 3.4.9, 3.4.9.1.2, 3.4.9.4.3, 3.4.14.6, 3.5.8, 3.7, 3.7.1.1, 3.7.1.2, 3.9.2.1, 3.9.2.1.1, 3.9.2.1.2, 3.9.2.1.3, 3.9.2.5, 3.9.4, 3.11.4, 3.11.5, 3.11.5.1, 3.11.5.2, 3.11.5.3, 3.11.5.4, 3.11.6, 3.11.7.1, 3.11.7.2, 3.11.8, 3.11.8.1, 3.11.8.2, 4.3, 4.4, 4.6, 4.6.1, 4.6.2, 4.6.3; Table 3.4-1	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.	§§ 1.2.3, 3.4.1, 3.4.8, 3.7, 3.11.7.1	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.2.2, 3.9.2.1, 3.11.4	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 29, 2006

Technical Area: **Reliability** Project: Starwood Power Technical Staff: Steve Baker

Project Manager: Che McFarlin Docket: 06-AFC-10 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) (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, 1.2.4, 3.1, 3.4.9, 3.4.9.1.2, 4.6, 4.6.1, 4.6.2, 4.6.3	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.2.4,3.3.2.2, 3.4.9, 3.4.9.1.2, 3.5.8, 3.11.7.2, 4.6, 4.6.1, 4.6.2, 4.6.3	Yes	
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 3.1, 3.4.2, 3.4.5, 3.4.7.5, 3.4.7.4, 3.4.7.5, 3.4.14.6, 3.9.2.1.1, 3.9.2.5, 3.11.4, 4.11.5, 3.11.5.1, 3.11.5.2, 3.11.5.3, 3.11.5.4, 3.11.8.1, 3.11.8.2; Table 3.4-1	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	CEC 2007a, Draft Supplemental AFC, p. RL-1 Supplemental AFC Response REL-12	~~No~~ Yes	~~Describe the period required to demonstrate the reliability of the power plant~~
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	N/A	N/A	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 29, 2006

Technical Area: **Reliability**
Project Manager: Che McFarlin
Project: Starwood Power
Docket: 06-AFC-10
Technical Staff: Steve Baker
Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.9-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Socioeconomics** Project: Starwood Power Technical Staff: Joseph Diamond Ph. D.

Project Manager: Che McFarlin Docket: 06-AFC-10 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.	Existing Site Conditions: Section 5.10-1 Affected Environment, page 5.10-1. Section 5.10.2 Environmental Consequences, pages 5.10-3 to 11. Section 5.10.3 Cumulative Impacts, page 5.10-11. Section 5.10.4.5 Applicable Permits, Permit Schedule, and Fees, pages 5.10-13&14.	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:			
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Section 5.10.1.1 Economic Base and Employment, pages 5.10-1 to 3. Section 5.10.2.1 Employment, pages 5.10-3&4. Section 5.10.2.6 Fiscal Resources, pages 5.10&11. Supplemental AFC Response SOCIO-13	~~No~~ Yes	~~Please provide a list of applicable local agencies with taxing powers and the most recent and projected revenues.~~
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Section 5.10.2.2 Population, pages 5.10-4&5. Section 5.10.2.4 Environmental Justice, pages 5.10-6&7.	Yes	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Socioeconomics** Project: Starwood Power Technical Staff: Joseph Diamond Ph. D.

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Section 5.10.1.1 Economic Base, and Employment, pages 5.10-1 to 3.	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Section 5.10.2.1 Employment, pages 5.10-3&4. Supplemental AFC Response SOCIO-14	~~No~~ Yes	~~Please provide County or MSA quantitative estimates for the availability of skilled workers by craft required for construction and operation of the project.~~
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Section 5.10.2.3 Housing, pages 5.10-5&6.	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.	Section 5.10.2.5 Public Services, pages 5.10-7 to 10.	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;	Section 5.10.2.1 Employment, pages 5.10-3&4.	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Section 5.10.2.2 Population, page 5.10-4&5.	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Socioeconomics** Project: Starwood Power Technical Staff: Joseph Diamond Ph. D.

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Same as above.	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Section 5.10.2.3 Housing, pages 5.10-5&6.	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Section 5.10.2.5 Public Services, pages 5.10-7 to 10.	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Section 5.10.4.5 Applicable Permits, Permit, Schedule, and Agency Contacts, page 5.10-13.	Yes	
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Section 5.10.2.1 Employment, pages 5.10-3&4.	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Section 5.10.2.6 Fiscal Resources, pages 5.10-10&11. Supplemental AFC Response SOCIO-15	~~No~~ Yes	~~Please provide an estimate for locally purchased materials for the operation phase of the project.~~
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Section 5.10-2.6 Fiscal Resources, pages 5.10-10&11. Supplemental AFC Response SOCIO-16	~~No~~ Yes	~~Please provide a quantitative estimate of the potential impact of tax revenues from the construction and operation of the project (i.e., sales and use tax).~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Socioeconomics**
Project: Starwood Power
Technical Staff: Joseph Diamond Ph. D.
Project Manager: Che McFarlin
Docket: 06-AFC-10
Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.10.4 Applicable LORS, pages 5.10-11&12.	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Same as above.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.10.4.5 Applicable Permits, Permit Schedule, and Fees, pages 5.10-13&14.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.10-8 Involved Agencies and Contacts, page 5.10-14.	Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.10.4.5 Applicable Permits, Permit Schedule, and Fees, pages 5.10-13&14.	N/A	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Traffic and Transportation**
Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: James Adams
Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	PP. 5.11-1 through 11-26 Figures 5.11-1 through 11-9 Section 5.11	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Figures 5.11-1 & 11-2	Yes	
Appendix B (g) (5) (B)	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:	Figures 5.11-1 & 11-2	Yes	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	PP. 5.11-1 through 11-5 Sections 5.11.1.1 through 5.11.2 Tables 5.11-2 & 11-3	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	PP. 5.11-4 & 11-5 Tables 5.11-22 & 11-3 Sections 5.11.1.1 through 11.1.3.4	Yes	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Traffic and Transportation** Project: Starwood Power Technical Staff: James Adams

Project Manager: Che McFarlin Docket: 06-AFC-10 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) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	PP. 5.11-4 through 11-6 Sections 5.11.2.1 through 11.2.2.1	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	Pg. 5.11-2 & 11-3 Section 11.1.1.1.1	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	Pg. 5.11-3 Sections 5.11.1.1.2 & 1.3	Yes	
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Pg. 5.11-3 Section 5.11.1.1.3	Yes	
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	Pg. 5.11-1 Section 5.11.1.1	Yes	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	PP. 5.11-6 through 11-16 Tables 5.11-5 through 11-10 Section 5.11.2	Yes	
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	Pg. 5.11-7 Sections 5.11.2.4 & 11.4 PP. 5.11-20 through 11-22 Sections 5.11.5.2.1 through 11.5.2.7 Supplemental AFC Response TRAFFIC-17	~~No~~ Yes	~~Please provide a discussion of the transportation of hazardous materials during 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.~~

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Traffic and Transportation** Project: Starwood Power Technical Staff: James Adams

Project Manager: Che McFarlin Docket: 06-AFC-10 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	PP. 5.11-16 through 11-19 Section 5.11.5	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pg. 5.11-19, Table 5.11-15 Section 5.11.5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pg. 5.11-16 Section 5.11.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Pg. 5.11-19 Table 5.11-16 Section 5.11.5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Supplemental AFC Response TRAFFIC-18	~~No~~ Yes	~~Please provide a schedule indicating the steps the applicant has taken or plans to take to obtain an encroachment permits from Fresno county.~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Transmission System Eng.**
Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: Laiping Ng
Technical Senior: Mark Hesters

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 1.1-1.2 Page 1-1 to 1-4	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.	Section 3.4.7 Page 3-9 to 3-11 Section 3.6 Page 3-31 to 3-32	Yes	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.6 Page 3-31 to 3-35 Figure 3.4-4A Figure 3.6-1 System Impact Study And Facilities Study Report Supplemental AFC Response TSE-19	~~No~~ Yes	~~Please resubmit Single Line Diagrams (Figure 3.6-1) for the Panoche Substation. The current figure doesn't contain the equipment ratings for breakers, and does not include a disconnect switches.~~

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Transmission System Eng.**
Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: Laiping Ng
Technical Senior: Mark Hesters

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 3.6 Page 3-31 to 3-33 Section 3.11.3.1 Page 3-52	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Appendix F	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 5.18-3 Page 5.18-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 3.6.3.1 Page 3-33 Appendix F	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 3.6.3.2 Page 3-33 to 3-35	Yes	

Adequacy Issue: Adequate **X** Inadequate ___

DATA ADEQUACY WORKSHEET

Revision No. 01 Date December 29, 2006

Technical Area: **Transmission System Eng.**
Project: Starwood Power
Technical Staff: Laiping Ng
Project Manager: Che McFarlin
Docket: 06-AFC-10
Technical Senior: Mark Hesters

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.	Section 3.6.3.2 Page 3-33 to 3-35	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 1 Date December 29, 2006

Technical Area: **Visual Resources**
Project Manager: Che McFarlin

Project: Starwood Power
Docket: 06-AFC-10

Technical Staff: Mark R. Hamblin
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.	Pages 5.13-8 through 9, section 5.13.1.4.3. Pages 5.13-15 through 18, sections 5.13.2.2.1 through 5.13.2.2.4 Pages 5.13-19, section 5.13.4	Yes	
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 5.13-1 through 2, section 5.13.1.1	Yes	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figure 5.13-4	Yes	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Figure 3.3.-1 Figure 3.2-1 (no existing structures on site)	Yes	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Page 5.13-13 through 15, section 5.13.2.2	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Figure 5.13-10 through 12. Pages 5.13-8 through 9, section 5.13.1.4.3 Table 5.13-2	Yes	

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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 5.13-2 through 5, section 5.13.1.2	Yes	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Table 3.4-1, page 3-7 Figure 5.13-2, Figure 5.13-13	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.	~~Figure 5.13-10 through 15 are not full-page color photographic reproductions of the existing site, or full-page color simulations.~~ Supplemental AFC Response VISRES-20 Figure 5.13-14A through Figure 5.13-15B	~~No~~ Yes	~~Provide full-page color photographic reproductions of the existing site and full-page color simulations including electronic files.~~
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.13-17 through 18, section 5.13.2.2.2	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 5.13-5	Yes	

Adequacy Issue: Adequate **X** Inadequate ____

DATA ADEQUACY WORKSHEET

Revision No. 1 Date December 29, 2006

Technical Area: **Visual Resources**
Project Manager: Che McFarlin
Project: Starwood Power
Docket: 06-AFC-10
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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) (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 5.13-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.13-5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.13-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 5.13-25, section 5.13.5.3	Yes	