

## CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET  
SACRAMENTO, CA 95814-5512  
www.energy.ca.gov

<b>DOCKET</b> 07-AFC-7	
DATE	OCT 12 2007
RECD.	OCT 15 2007



October 12, 2007

Dear Librarian:

**DOCUMENT HANDLING FOR THE COMMUNITY POWER PLANT PROJECT,  
APPLICATION FOR CERTIFICATION (07-AFC-7)**

On September 27, 2007, Kings River Conservation District (KRCD), (the Applicant) submitted an Application for Certification (AFC) for the Community Power Plant Project to the California Energy Commission to develop a base load power plant to be located near the city of Parlier, in Fresno County.

The KRCD power plant project is under the Energy Commission's siting authority. The power plant certification process examines engineering, environmental, public health, and safety aspects of power plant proposals and provides analyses pursuant to the California Environmental Quality Act (CEQA). When issuing a certificate, the Energy Commission is the lead state agency under CEQA, and its process is functionally equivalent to the preparation of an Environmental Impact Report.

The Energy Commission's siting process is open to the public and incorporates the input of the public as well as local, state, and federal agencies. To facilitate public participation in our review process, the Energy Commission has sent copies of the AFC to libraries in the project area, and to libraries in Eureka, San Francisco, Sacramento, Fresno, Los Angeles, and San Diego.

Please make the enclosed AFC available for those who may wish to be informed about the project. We request that you not allow the AFC or any of its contents be removed from the library. To increase accessibility of the document, we ask, if possible, that you cross reference it as a general reference work under the title and author categories, as well as under such subjects as "Energy Commission," "electricity," "energy/generation," "power plant siting," or any other relevant subject.

Thank you for your cooperation. If you have any questions, please contact Che McFarlin, Energy Commission Project Manager, at (916) 651-0965, or by email at [cmcfarli@energy.state.ca.us](mailto:cmcfarli@energy.state.ca.us).

Sincerely,

A handwritten signature in green ink, appearing to read "Roger E. Johnson".

Roger E. Johnson, Manager  
Energy Facilities Siting and Compliance Office

Enclosure

**CALIFORNIA ENERGY COMMISSION**1518 NINTH STREET  
SACRAMENTO, CA 95814-5112

October 12, 2007

**To: MEMBERS OF THE PUBLIC****PUBLIC PARTICIPATION IN THE REVIEW OF THE COMMUNITY POWER PLANT PROJECT,  
APPLICATION FOR CERTIFICATION (07-AFC-7)**

On September 27, 2007, Kings River Conservation District, submitted an Application for Certification (AFC) to construct and operate a base-load combined-cycle power plant, the Community Power Project (CPP), in an unincorporated area of southern Fresno County near the city of Parlier.

**Project Description**

The proposed project would be a nominal 565 megawatt (MW) natural gas-fired combined-cycle generating facility using two natural gas-fired combustion turbine generators (CTGs) and heat recovery steam generators (HRSGs), and one steam turbine generator (STG) with commercial operation planned for the second quarter of 2011. The generation facility will include either Siemens SGT6-5000F or GE 7FA CTG units equipped with foggers or evaporative coolers, a mechanical-draft cooling tower, step up transformers, an overhead electric transmission line, air emissions control equipment, and an aqueous ammonia storage tank. The facility would also have a natural gas pipeline, a reclaimed water supply pipeline, up to four wells north of the project site (near the Parlier waste water treatment ponds), an onsite groundwater well to supply potable water, a tertiary water treatment plant, water storage tanks, a zero liquid discharge (ZLD) system, a storm water retention pond, and a sewer connection for disposal of domestic wastewater. Construction laydown and parking areas would be located on approximately 15 acres of a 40-acre parcel immediately south of the CPP site.

The proposed CPP plant site is a 32.25-acre parcel near the city of Parlier, (Assessors Parcel Number 358-032-41). The site is located adjacent to and east of South Bethel Avenue between East Manning and East Dinuba Avenues in an area currently zoned for agriculture and is currently being used predominately for agricultural purposes (vineyards). Existing structures on the project site include a vacant rural dwelling, detached garage, and barn. The proposed project site is currently under a Williamson Act Contract for agricultural land preservation for which the applicant plans to file a petition for nonrenewal with Fresno County. Other land uses in the area include agricultural land to the west, south, and north/northwest. To the east of the site is the County of Fresno Southeast Regional Disposal Site, a Class III landfill that was closed in 1998. Just north of the proposed site is the city of Parlier's Waste Water Treatment Plant (WWTP). The nearest residence is located approximately 1,800 feet to the north of the project site.

The CPP will connect to the electrical transmission system via a new 5-mile double circuit 230-kilovolt (kV) radial transmission line that connects to the existing Pacific Gas & Electric (PG&E) McCall substation located approximately five miles to the west of the project site.

Natural gas for the CPP will be supplied from a new approximately 26-mile long, 20-inch underground pipeline from the project site to an existing PG&E gas pipeline near Visalia, California. The proposed alignment of this gas pipeline closely follows existing road right-of-way corridors. The natural gas will be compressed and filtered at the CPP plant site. Five construction staging areas have also been identified for use during construction of the gas pipeline, each with an approximate size of 200 feet by 200 feet.

The primary source of process water for the CPP will be secondarily treated reclaimed water delivered by new underground pipeline interconnections to the Parlier WWTP and the Sanger WWTP effluent percolation and evaporation ponds located on Lincoln Avenue (i.e., Lincoln Ponds). Approximately 3,485 acre-feet per year will be required for power plant cooling and other uses. Up to four new shallow wells, and associated monitoring wells, for recovering percolated effluent will provide a back-up cooling water supply. Lesser water demands for fire protection, plant service water, and domestic water will be provided by a new on-site potable water well drilled into the local groundwater aquifer.

Reclaimed domestic wastewater will also be utilized for cooling the CPP. The cooling tower reject water will be concentrated and the water reclaimed onsite using a ZLD system. Solids generated by the ZLD process will be removed from the site to landfills. Domestic wastewater will be discharged to the Parlier WWTP by a new sewer interconnection at the northern boundary of the project site. Storm water runoff will be directed to a on-site retention basin.

Air emissions from the proposed facility would be controlled using best available control technology applied to each engine's exhaust. Oxides of nitrogen (NO<sub>x</sub>) emissions will be controlled by a combination of dry low NO<sub>x</sub> combustors in the CTGs and selective catalytic reduction (SCR) systems in the HRSGs. A carbon monoxide (CO) catalyst will be installed in the HRSGs to limit CO emissions from the CTGs. Volatile organic compound (VOC) emissions will be controlled by an oxidation catalyst. Final permitting by the Energy Commission would reflect conformance with rules and regulations of the San Joaquin Valley Air Pollution Control District and include the issuance of a Determination of Compliance from the District.

### **Energy Commission's Facility Certification Process**

The Energy Commission is responsible for reviewing and ultimately approving or denying all thermal electric power plants, 50 MW and greater, proposed for construction in California. The Energy Commission's facility certification process carefully examines public health and safety, environmental impacts and engineering aspects of proposed power plants, and all related facilities such as electric transmission lines, water, sewer, and natural gas pipelines. The Energy Commission is the lead agency under the California Environmental Quality Act, except the Energy Commission's analysis takes the form of several environmental and decision documents rather than an Environmental Impact Report. The CPP will be evaluated under the Energy Commission's 12 month AFC review process.

### **Public Participation**

Over the coming months, the Energy Commission will conduct a number of public workshops and hearings on the proposal to determine whether the project should be approved for construction

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and operation and under what set of conditions. These workshops will provide the public as well as local, state and federal agencies the opportunity to ask questions about, and provide input on, the proposed project. The Energy Commission will issue notices for these workshops and hearings at least 10 days prior to the meeting. If you are not currently receiving these notices and want to be placed on the mailing list, please contact Terry Piotrowski, Project Secretary, at (916) 653-4677, or by e-mail at [tpiotrow@energy.state.ca.us](mailto:tpiotrow@energy.state.ca.us).

If you desire information on participating in the Energy Commission's review of the project, please contact the Energy Commission Public Adviser Office, at (916) 654-4489 or toll free in California, at (800) 822-6228. Technical or project schedule questions should be directed to Che McFarlin, Energy Commission Project Manager, at (916) 651-0965, or by email at [cmcfarli@energy.state.ca.us](mailto:cmcfarli@energy.state.ca.us). The status of the project, copies of notices, and other relevant documents are also available on the Energy Commission's Internet web site at <http://www.energy.ca.gov/sitingcases/communitypower>.

You can also receive email notification of all project related activities and availability of reports by subscribing to the Listserve on the website. News media inquiries should be directed to Assistant Director, Claudia Chandler, at (916) 654-4989 or by email to [mediaoffice@energy.state.ca.us](mailto:mediaoffice@energy.state.ca.us).

**Note: Please retain this letter behind the front cover of the AFC. Thank You.**