

CALIFORNIA ENERGY COMMISSION
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AGENCY INFORMATION LETTER
SAN FRANCISCO ELECTRIC RELIABILITY PROJECT
APPLICATION FOR CERTIFICATION (AFC)
SUPPLEMENT B: REVISED PROCESS WATER SUPPLY
Docket No. 04-AFC-1

In our letter of March 30 2004, we informed you that the City and County of San Francisco (CCSF) submitted an Application for Certification (AFC) proposing to construct and operate a simple cycle power plant, referred to as the San Francisco Electric Reliability Project. The project would consist of a nominal 145 megawatt (MW) simple cycle plant, using three natural gas-fired LM 6000 gas turbines and associated infrastructure. The project's application was accepted for review at the Energy Commission's Business Meeting of April 21, 2004, and we requested that you provide your agency's final determinations and opinions to us by October 21, 2004.

On March 25, 2005, CCSF filed Supplement A with the Energy Commission amending the application by relocating the proposed project from within the existing Potrero Power Plant site to a new location approximately 1/4 mile to the south. The new project site is a 4-acre parcel owned by CCSF that lies south of 25th Street and approximately 700 feet east of Illinois Street.

On January 11, 2006, CCSF submitted Supplement B, amending the AFC by proposing to access treated secondary effluent from a pressurized manhole (manhole #2) in the Southeast Waste Water Treatment Plant (SEWWTP) outfall located approximately 2,600 feet from the SFERP. At this location, the water supply is of significantly better quality than the raw wastewater supply from the previously proposed collection box on Marin Street. The improvement in water quality eliminates the need for the traveling band screen and the onsite secondary treatment system using an aerobic tank, reducing the project cost and long-term maintenance requirements. Onsite water treatment will now be limited to tertiary treatment as follows: incoming secondary effluent water supply will go through ultra-filtration followed by disinfection, and then be passed through a single-stage reverse osmosis treatment system. The resultant final water quality will meet full Title 22 tertiary recycled water requirements.

The revised process water supply line route will be as follows (see attached figure). An 8- to 10-inch pipeline will leave the plant site and head east about 70 feet to where it will turn south on Maryland Street. It will go about 200 feet south on Maryland Street and turn west on Cesar Chavez Street. It will travel about 850 feet west along Cesar Chavez Street to Michigan Street where it will turn south for 450 feet to Marin Street. At Marin, it will head west about 550 feet to Third Street. The line will go south on Third Street about 400 feet to Tulare Street where it will go 80 feet to the east to connect to manhole #2. No additional equipment will need to be installed at the manhole to pump the water to the plant site. The total length of the line will be about 2,600 feet. That portion of the

route along Marin and Third streets will be located above an abandoned 54-inch outfall pipe from the SEWWTP that was replaced by a new 60-inch outfall line at the edge of Islais Creek that parallels the abandoned line. The decision whether to jack and bore under the railroad tracks at Illinois and Marin streets will be made during the detailed design phase.

The purpose of this letter is to provide your agency with the new Supplement B (Revised Process Water Supply) and to request that your agency review, comment, and continue your participation in the Energy Commission certification process. Please provide any comments or questions relating to Supplement B to the Energy Commission's Project Manager Bill Pfanner at (916) 654-4206, or by e-mail at bpfanner@energy.state.ca.us.

The status of the project, copies of notices, and electronic version of documents are also available on the Energy Commission's Internet web site at:
<http://www.energy.ca.gov/sitingcases/index.html>

Enclosed with this letter is a compact disk containing the new Supplement B. Please contact us if you would like to receive a paper copy of this information.

DATE: February 7, 2006



ROGER E. JOHNSON, Manager
Siting and Compliance Office

