

ORMAT[®]



September 1, 2011

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Mr. Terrence O'Brien
Deputy Director
Siting, Transmission and
Environmental Protection Division
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Re: East Brawley Geothermal Project Generating Capacity

Dear Mr. O'Brien:

The information outlined in this letter is in response to your letter dated August 15, 2011. The information requested in the engineering questionnaire is enclosed separately or contained in the response filed on August 29, 2011 to Docket 11-CAI-02. Some background information regarding the North Brawley Geothermal Development Project is provided below.

The East Brawley Geothermal Development Project ("East Brawley") is located within the North Brawley Known Geothermal Resource Area ("North Brawley KGRA") north of the City of Brawley and separated by the New River from the North Brawley Geothermal Development Project. The East Brawley Geothermal Exploration Project was permitted by Imperial County by CUP #07-0029 in March 2008. The East Brawley Geothermal Development Project CUP application was submitted in August 2008. The Draft Environmental Impact Report was released earlier this year and the final EIR is pending.

1. Will there be any shared facilities between East Brawley and existing or planned ORMAT local geothermal generation facilities, including North Brawley? If yes, please describe those facilities.

East Brawley will likely share the same point of interconnection to the Imperial Irrigation District's (IID's) transmission system at the North Brawley substation located at the North Brawley power plant which interconnects that project to the Imperial Irrigation District's (IID) 92 kV line that runs north south along the east side of Hovley Road. The East Brawley power plant, which will have its own substation

In order to improve efficiency, the East Brawley power plant would be designed to allow for monitoring and operation from dedicated computers at two locations: one located at the offices in the North Brawley power plant on Hovley Road, and the other at the East

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Brawley facility itself. Given that all instrumentation is computerized this is common in today's power facilities.



Given the delay in getting the East Brawley Geothermal Development Project permitted and the well field problems encountered at the North Brawley project, the decision was made to request an amendment to the North Brawley CUP requesting that the exploration wells drilled for the East Brawley Geothermal Exploration Project be added to North Brawley to add additional production and injection capacity. The amendment to CUP #07-0017 was approved in June 2010. These wells are for the sole use of North Brawley and will not be shared.

2. Does ORMAT plan to build additional power plants in the area? If yes, what is the schedule and what are the MW capacity increments?

No, ORMAT has no plans to build any additional power plants around Brawley.

3. Will East Brawley have its own dedicated production and injection wells?

Yes, the East Brawley Geothermal Development Project has both production and injection wells dedicated to it as described in the Conditional Use Permit application submitted to Imperial County.

4. Will East Brawley's geothermal steam production and delivery system be shared or interconnected with another geothermal plant and or its geothermal steam production and delivery system, including North Brawley? If yes, please describe.

No, the proposed East Brawley power plant is a binary power plant that could contain 5 Ormat Energy Converters (OECs). See the information in the engineering questionnaire as the project is currently designed for just 3 OECs do to the resource constraints experienced at North Brawley. There would be no steam production or steam turbine at this facility, only hot geothermal fluid.

5. If additional steam can be provided to East Brawley, what is the maximum generating capacity that the unit can achieve?

There are no steam production or delivery systems at East Brawley as the facility utilizes hot geothermal fluid. Based on the current design of 3 OECs for East Brawley the maximum gross generation is 48 megawatts, (16 MW x 3) and the net approximately 30 megawatts.

6. Is there a transmission interconnection study for East Brawley and can it be provided to us?

Yes, the Transmission Interconnection Study for East Brawley is included with this response.



Sincerely,

Charlene L Wardlow

Charlene L. Wardlow
Director Business Development

Enclosures: Engineering Questionnaire responses

cc: Tom Buchanan, Ormat
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