CALIFORNIA ENERGY COMMISSION
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STATE OF CALIFORNIA
ENERGY RESOURCES CONSERVATION
AND DEVELOPMENT COMMISSION

In the Matter of:	)	
COLUSA GENERATING STATION	)	**Docket No. 06-AFC-9C**
	)	**Order No.**
Pacific Gas and Electric	)	**ORDER APPROVING a Petition to Amend the Commission Final Decision to allow project water to be temporarily trucked to the site**

On March 14, 2014, Pacific Gas and Electric (PG&E) filed a petition with the California Energy Commission (Energy Commission) requesting to amend the Final Decision for the Colusa Generating Station (CGS). The CGS is proposing to temporarily truck project water to the site until a new alternate water supply pipeline can be constructed. Instead of drawing water from the project supplier, Glenn Colusa Irrigation District (GCID), via the Tehama Colusa Canal (TCC), water would be drawn directly from the Glenn Colusa Irrigation District's Glenn Colusa Canal (GCC) and delivered to the site via water trucks.

The combined-cycle, natural gas-fired, air-cooled, 660-megawatt electricity-generating CGS facility was certified by the Energy Commission in its Decision on April 23, 2008, and began commercial operation on December 22, 2010. The facility is located in an unincorporated area of Colusa County, California, approximately six miles north of the community of Maxwell, four miles west of Interstate 5.

STAFF RECOMMENDATION

Energy Commission staff reviewed the petition, finds that it complies with the requirements of Title 20, section 1769(a) of the California Code of Regulations, and recommends approval of PG&E's petition to modify the CGS and amend Conditions of Certification **Soil & Water-8**, **Soil and Water-11**, and **AQSC-12.**

ENERGY COMMISSION FINDINGS

Based on staff's analysis, the Energy Commission concludes that the proposed modification(s) will not result in any significant impacts to public health and safety, or to the environment. The Energy Commission finds that:

- The proposed modification(s) would not change the findings in the Energy Commission's Final Decision pursuant to Title 20, California Code of Regulations, section 1755;
- There would be no new or additional unmitigated, significant environmental impacts associated with the proposed modification(s);
- The facility would remain in compliance with all applicable laws, ordinances, regulations, and standards;
- The modification(s) proposed in the petition would not cause an increase or other undue negative consequence on water use;
- The proposed modification(s) would be beneficial to the public, because the facility would be able to continue operating in normal fashion with no significant change, and, as part of the state's gas-fired fleet, the CGS would help fill the lack of hydroelectric generation over the summer and fall of 2014; and
- The proposed modification(s) are justified because there has been a substantial change in circumstances since the Energy Commission certification, in that the normal water supply mechanism has been disrupted due to the statewide drought conditions, warranting a modification in the mechanism.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts staff's recommendations and approves the following changes to the Commission Decision for the Colusa Generating Station. New language is shown as **bold and underlined**, and deleted language is shown in ~~strikethrough~~.

CONDITIONS OF CERTIFICATION

SOIL & WATER-8: The project owner shall use raw water from the Tehama-Colusa Canal (TCC) **as its primary source** for all industrial, landscape irrigation, and sanitary purposes. Prior to the use of TCC water for any purpose, the project owner shall install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the total volume of water supplied to the CGS from the TCC. These metering devices shall be operational for the life of the project and must be able to record the volume of raw water consumed for industrial use, landscape irrigation, and potable and sanitary purposes. **In the case of an emergency where GCID cannot provide water to the CGS via the TCC, the project owner may use raw water withdrawn from the Glenn Colusa Canal as a backup water source. The project's combined use of primary and back-up water sources shall not exceed 180 acre-feet per year.**

The project owner shall prepare an annual water use summary, which will include the monthly range and monthly average of daily raw-water usage in gallons per day, and total water used by the project on a monthly and annual basis in acre-feet. Potable water use on site shall be recorded on a monthly basis. Following the initial report, the annual water use summary shall also include the yearly range and yearly average water use by the

project. The annual water use summary shall be submitted to the CPM as part of the Annual Compliance Report.

Verification: At least 60 days prior to commercial operation of the ~~GCS~~**CGS**, the project owner shall submit to the CPM evidence that metering devices have been installed and are operational on the raw and potable water supply and distribution systems the project owner shall submit a water use summary to the CPM in the Annual Compliance Report. The report shall **include the total amount of water used from each source for the year and** distinguish the recorded water uses for industrial, landscape irrigation, and potable and sanitary purposes **for each month**. The project owner shall provide a report on the servicing, testing, and calibration of the metering devices in the Annual Compliance Report.

SOIL & WATER-11: The project owner shall provide two signed copies of the Water Agreement (Agreement) issued by the Glenn Colusa Irrigation District (GCID) for sale and delivery of water from the Glenn Colusa Canal (GCC) for project operation. The project shall not begin delivery or use of GCC water for project operation without the final Agreement in place. The project owner shall provide the CPM copies of all monitoring or other reports required by the Agreement, as well as any changes made to the Agreement related to the delivery or sale of water required for project operation. The CPM shall be notified of any violations of the Agreement requirements.

Verification: At least 10 days prior to initial use of GCC water for project operation, the project owner shall submit copies of the signed Agreement to the CPM. Any changes to the Agreement shall be submitted to the CPM within 10 days of their submittal to the project owner. The project owner shall submit related metering and/or monitoring reports required by the Agreement to the CPM in the Annual Compliance Report. The project owner shall submit any notice of violations from GCID to the CPM within 10 days of receipt and fully explain the corrective actions taken in the next Annual Compliance Report. For calculating the total water use, the term "year" will correspond to the date established for the Annual Compliance Report submittal.

AQ-SC12 Diesel-Fueled Engine Control: When using diesel-fueled pumps or water trucks to pump water out of the canal and transport it to the facility due to the unavailability of other means of transporting water, the facility owner shall submit to the CPM, in Quarterly Reports, a table that lists all diesel-fueled pumping equipment and water trucks used to pump water and transport it to the site and their engine Tier ratings, to ensure that all are equipped at a minimum with Tier 3 engines. The facility owner or owner's representative shall sign the report to certify that these are the only diesel-fueled equipment used to pump water from the canal or transport it to the site.

Verification: During any periods where water trucks are used to transport water to the site, the facility owner shall include in the corresponding Quarterly Report the following to minimize diesel engine tailpipe emissions:

a. **A table listing all equipment used to pump water or transport it to the site during the reporting period, including the Tier level of each engine;**

b. **A letter from each owner certifying that their equipment has been properly maintained; and**

c. **Any other documentation deemed necessary by the CPM to verify compliance with this condition.**

IT IS SO ORDERED.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of an Order duly and regularly adopted at a meeting of the California Energy Commission held on **April 22, 2014**.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott
NAY: None
ABSENT: None
ABSTAIN: None

Harriet Kallemeyn,
Secretariat