

DOCKETED

Docket Number:	02-AFC-04C
Project Title:	Walnut Energy Center Project - Compliance
TN #:	200536
Document Title:	Order Approving Petition to Amend Soils and Water Condition of Certification to Allow for Additional Back-up of Water Supply
Description:	N/A
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- The modification(s) proposed in the petition would allow the project to compensate for frequent recycled water interruptions; and
- There has been a substantial change in circumstances since the Energy Commission certification, thus justifying the changes, in that recycled water deliveries have been less reliable than anticipated.

CONCLUSION AND ORDER

The California Energy Commission hereby adopts staff's recommendations and approves the following changes to the Commission Decision for the Walnut Energy Center Power Project. New language is shown as **bold and underlined**, and deleted language is shown in ~~strikeout~~.

CONDITIONS OF CERTIFICATION

SOILS&WATER-5: The project's water use shall be limited as described below. For purposes of this condition, the bridge period is defined as that period of time between the start of commissioning operations of the WEC and the earlier of December 31, 2006, or when recycled water from the City of Turlock's wastewater treatment plant (WWTP) is available to the WEC.

Water for construction purposes shall consist of groundwater provided from the existing TID well at the Walnut substation. Potable water may also be used for construction for the purpose of hydrostatic testing and flushing of equipment, pipes and tanks; provided however, the project owner shall minimize the use of potable water for this purpose to the maximum extent feasible.

During the bridge period, water used for cooling and steam cycle make-up shall consist of poor quality groundwater from the upper aquifer supplied from either one or more groundwater wells located on the 69-acre parcel that includes the 18-acre WEC project site (the "69-acre Acre Parcel") or the two 100 percent wells located on the TID equipment storage area on South Washington Road (the "South Washington" site). Only one of the two groundwater wells may be operated at any time (with the other well serving as a 100 percent redundant backup). Total combined groundwater production from all of the wells on both the 69 Acre Parcel and the South Washington site shall not exceed two million gallons per day or 1,800 afy.

Water for operational and landscaping purposes used after the bridge period shall consist of recycled water from the City of Turlock WWTP and shall not exceed 1,800 afy. Water for domestic needs after the bridge period shall consist of potable water provided by the City of Turlock and shall not exceed 3 afy. Groundwater from the wells to be located either on the WEC project site 69-Acre Parcel or the South Washington site may also be used for back-up to the recycled water supply in the event of a short-term disruption in service and shall not exceed ~~54~~**180** afy. Groundwater from the wells to be located either on the WEC project site 69-Acre Parcel or the South Washington site may also be

used in the event that recycled water is not available to the project subject to the provisions of **SOILS&WATER-6**. Alternative ~~Back-up~~ **groundwater** use shall be calculated using a 5-year rolling average

Verification: The project owner shall notify the Commission no later than May 31, 2006, and in monthly compliance reports thereafter, as to the status of recycled water production by the City of Turlock's WWTP until the WEC is using tertiary treated, recycled water for its non-potable operational and landscaping requirements. This notice shall include information on the issues related to recycled water production, DHS approval for recycled water service and the expected availability of recycled water supplies to WEC. After recycled water service is provided to WEC, the project owner shall report water use to the Commission as required by **SOILS&WATER-7**. Annual average water use shall be calculated using a 5-year rolling average of actual water use starting with the first year of operation. In the event of an interruption or reduction in recycled water service that requires the use of groundwater from the wells to be located on the 69-Acre Parcel or the South Washington site, the project owner shall notify the CPM, in writing, within 24 hours. **The notification shall include the time of the interruption, the cause of the interruption, and the expected duration of the interruption. Once recycled water becomes available for project use, the owner shall notify the CPM of such availability, even if the power plant was down and not receiving any recycled water.**

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 August 27, 2013.

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



Harriet Kallemeyn,
Secretariat