

DOCKETED

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Project Title:	01-AFC-7C Russell City Energy Company
TN #:	212690
Document Title:	Charlie Cameron Comments: Russel City Staff Analysis of Proposed Recycled Water Demineralization System
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Organization:	Charlie Cameron
Submitter Role:	Public
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Comment Received From: Charlie Cameron

Submitted On: 8/9/2016

Docket Number: 01-AFC-07C

Russel City Staff Analysis of Proposed Recycled Water Demineralization System

Additional submitted attachment is included below.

CALIFORNIA ENERGY COMMISSION

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



To 7/29/2016

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DATE: July 15, 2016
TO: Interested Parties
FROM: Eric Veerkamp, Compliance Project Manager
SUBJECT: **Russell City Energy Center (01-AFC-7C)**
Staff Analysis of Proposed Recycled Water Demineralization System

On January 29, 2016, the Russell City Energy Company, LLC submitted a Petition to Amend (PTA) the Final Decision for the Russell City Energy Center (RCEC). The PTA was docketed by staff the same day. The Russell City Energy Company, LLC has requested California Energy Commission approval to install a new demineralization system, designed to produce demineralized water from the recycled water supply which would be used for steam cycle makeup water and combustion turbine inlet air cooling. Installation of the new demineralization system would include new filtration skids and feed water tanks installed within a new enclosure. The system would include structures that are approximately 10-15 feet tall and would be located within the RCEC site.

The RCEC was certified on September 11, 2002 as a 600 megawatt wet cooled combined-cycle gas-fired power plant. The project Final Decision was amended on October 3, 2007, and the project commenced operation on August 8, 2013. The RCEC is located 3862 Depot Road in the city of Hayward in Alameda County, California.

Amendments to the Final Decision and modifications to the project that have been approved by the Energy Commission for the RCEC are as follows:

- On May 17, 2016, the Energy Commission approved a PTA requesting a revised offsite visual enhancement plan to allow mitigation measures in addition to landscaping, including surface treatments.
- On May 8, 2013, the Energy Commission approved a PTA allowing modification of various non-substantive administrative changes to Air Quality conditions of certification
- On July 9, 2012, the Energy Commission staff issued a Staff Approved Project Modification allowing the use of additional land for construction parking and laydown area.
- October 3, 2007, the Energy Commission approved a PTA allowing major modifications to the design and location of the RCEC.

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Energy Commission staff reviewed the present PTA and assessed the impacts of this proposal on environmental quality and on public health and safety. Based on staff's analysis, staff proposes a new Condition of Certification **GEO-3**, and the elimination of **GEO-1** and **GEO-2** to ensure compliance with current design standards that protect the public health and safety from seismic and geologic hazards. It is staff's opinion that, with the implementation of the new condition, the project would remain in compliance with applicable laws, ordinances, regulations, and standards (LORS), and the proposed changes to the project would not result in any significant adverse direct, indirect, or cumulative impacts to the environment (Cal. Code of Regs., tit.20, § 1769).

The amendment petition and Staff Analysis have been posted on the Energy Commission's RCEC webpage at: <http://www.energy.ca.gov/sitingcases/russellcity/index.html>. Energy Commission staff intends to recommend approval of the petition at the August 10, 2016, Business Meeting of the Energy Commission. After the Final Decision, the Energy Commission's Order regarding this petition will also be posted on the Commission's RCEC webpage.

This Notice is being provided to interested parties and property owners adjacent to the RCEC site. This Notice has been mailed to the RCEC mail list and sent electronically to the RCEC list serve.

Any person may comment on the Staff Analysis. Those who wish to comment on the analysis are asked to submit their comments by 5:00 PM on Tuesday, August 9, 2016. To use the Energy Commission's electronic commenting feature, go to the Energy Commission's webpage for this facility, cited above, click on the "Submit e-Comment" link, and follow the instructions in the on-line form. Be sure to include the facility name in your comments. Once submitted, the Energy Commission Dockets Unit reviews and approves your comments, and you will receive an e-mail with a link to them.

Written comments may also be mailed or hand-delivered to:

California Energy Commission
Dockets Unit, MS-4
Docket No. 01-AFC-7C
1516 Ninth Street
Sacramento, CA 95814-5512

All comments and materials filed with and approved by the Dockets Unit will be added to the RCEC Docket Log and become publically accessible on the Energy Commission's webpage for the facility.

If you have questions about this Notice, please contact Eric Veerkamp, Compliance Project Manager, at (916) 654-4295, or by fax to (916) 654-3882, or via e-mail at: eric.veerkamp@energy.ca.gov.

For information on participating in the Energy Commission's review of the proposed modification to the RCEC the Energy Commission Public Adviser's Office at (800) 822-

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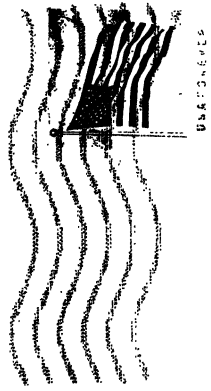
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