

DOCKETED

Docket Number:	03-AFC-01C
Project Title:	Roseville Energy Park Compliance
TN #:	220856
Document Title:	Notice of Determination -- Petition to Amend - Roseville Energy Park
Description:	Staff has determined the project would continue to comply with applicable LORS and no changes to any conditions of certification are necessary to ensure that no significant impacts occur
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
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CALIFORNIA ENERGY COMMISSION

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**NOTICE OF DETERMINATION
PETITION TO AMEND
ROSEVILLE ENERGY PARK, 03-AFC-01C**

On June 22, 2017, Roseville Electric filed a petition with the California Energy Commission (Energy Commission) requesting modifications to the Roseville Energy Park (REP). REP is a 160-Megawatt, combined-cycle facility located on 12 acres within the city of Roseville in Placer County, adjacent to the Pleasant Grove Waste Water Treatment Plant. The project was certified by the Energy Commission on April 13, 2005, and went on line producing power on November 5, 2007.

DESCRIPTION OF PROPOSED MODIFICATIONS

The Roseville Electric petition (TN 219887) seeks approval to modify REP by replacing an existing ladder and cage access on the belt press structure with a staircase, build an extension of the existing catwalk to Combustion Turbine 2, and add five reinforced cement pads at various locations throughout the facility.

For additional information, the Energy Commission's webpage for this facility, <http://www.energy.ca.gov/sitingcases/roseville/index.html>, has a link to the petition to the project modifications accessible through the webpage in the box labeled "Compliance Proceeding." Click on the "Documents for this Proceeding (Docket Log)" option.

ENERGY COMMISSION STAFF REVIEW AND DETERMINATION

Pursuant to section 1769(a)(2) of Title 20, California Code of Regulations, Commission approval of a petition to amend is not required "(w)here staff determines that there is no possibility that the modifications may have a significant effect on the environment, and if the modifications will not result in a change or deletion of a condition adopted by the commission in the final decision or make changes that would cause the project not to comply with any applicable laws, ordinances, regulations, or standards [LORS]...."

Energy Commission staff has determined for this petition that formal approval by the Energy Commission at a noticed Business Meeting is not required, and the proposed modifications meet the criteria for approval at the staff level because:

- The modifications will not have any significant effect on the environment;
- Existing conditions of certification are sufficient to cover the proposed modifications without changes to, or deletions of, any conditions of certification; and
- The project as modified will maintain full compliance with applicable LORS.

Staff's conclusions for each of the technical or environmental areas are summarized in the following table.

SUMMARY OF STAFF RESPONSES TO PETITION

TECHNICAL/ENVIRONMENTAL AREAS REVIEWED	STAFF RESPONSE			Revised Conditions of Certification Recommended
	Technical Area Not Affected	No Significant Environmental Impact or LORS Inconsistency*	Process As Amendment	
Air Quality		X		N/A
Biological Resources	X			N/A
Cultural Resources	X			N/A
Efficiency	X			N/A
Facility Design		X		N/A
Geological and Paleontological Resources		X		N/A
Hazardous Materials Management		X		N/A
Land Use		X		N/A
Noise and Vibration		X		N/A
Public Health	X			N/A
Reliability	X			N/A
Socioeconomics		X		N/A
Soil and Water Resources	X			N/A
Traffic and Transportation		X		N/A
Transmission Line Safety and Nuisance	X			N/A
Transmission System Engineering	X			N/A
Visual Resources		X		N/A
Waste Management		X		N/A
Worker Safety and Fire Protection		X		N/A

*No Energy Commission approval is necessary where staff determines there is no possibility that the proposed modifications would have a significant effect on the environment, and the modifications would not result in a change in or deletion of a condition adopted by the Commission in the Final Decision, or make changes that would cause project noncompliance with any applicable laws, ordinances, regulations, or standards (Cal. Code Regs., tit. 20, § 1769 (a)(2)).

Energy Commission technical staff reviewed the petition for potential environmental effects and consistency with applicable LORS. Staff has determined that the technical or environmental areas of Biological Resources, Cultural Resources, Efficiency, Public Health, Reliability, Soil and Water Resources, Transmission Line Safety and Nuisance, and Transmission System Engineering are not affected by the proposed changes.

For the technical areas of Air Quality, Facility Design, Geological and Paleontological Resources, Hazardous Materials Management, Land Use, Noise and Vibration, Socioeconomics, Traffic and Transportation, Visual Resources, Waste Management, and Worker Safety and Fire Protection, staff has determined the project would continue to comply with applicable LORS and no changes to any conditions of certification are necessary to ensure that no significant impacts occur. Therefore, staff is processing the request as a Staff-Approved Project Modification. Staff notes the following for these technical areas:

- **Air Quality**

Impacts to air quality are expected to continue to be less than significant with the implementation of the conditions of certification. Generally access ways, such as catwalks, staircases, and decking are pretreated prior to arrival to a project site. Any additional coating operations occurring onsite would be subject to both state and local air district regulations. The Placer County Air Pollution Control District (PCAPCD) has rules and

regulations regarding coating operations. These types of activities are generally considered maintenance and a separate permit would not be required. California Energy Commission staff contacted a representative from Roseville Energy Park and confirmed they are aware of the coating regulations.

In addition, any construction and equipment use for the proposed project modifications would be temporary and stationary source air permits would not be required through the PCAPCD. Any diesel equipment used would still be required to meet the State of California diesel requirements. As applicable, the diesel equipment used would need to be registered through the Statewide Portable Equipment Registration Program (PERP) or Diesel Off-road On-line Reporting System (DOORS) and associated equipment permits would be retained onsite. The equipment is expected to comply with all applicable LORS and significant impacts to air quality are not expected from the associated short-term construction. Therefore, there are no expected significant air quality impacts from the proposed amendment to any population within the project's six-mile radius, including any environmental justice population. In addition, there are no proposed changes to the air quality conditions of certification.

- **Biological Resources**

Since the PTA proposes the addition of a staircase, extension of an existing catwalk, and addition of five cement pads within the previously disturbed project site with minimal ground disturbance activities, the proposed modifications would not have any impacts on biological resources.

The petition to amend (PTA) for the Roseville Energy Park involves the replacement of an existing ladder and cage access with a staircase and cement landing pad directly below. This cement pad is one of five cement pads proposed to be added within the project site. The five cement pads measure 45' X 145', 32' X 85', 38' X 29', 47' X 63', and 70' x 17' respectively. Any ground disturbances are not anticipated to be more than a foot deep past existing grade. Also, an existing catwalk would be extended to allow access to the roof of Combustion Turbine 1.

- **Cultural Resources**

Staff reviewed the depth of ground disturbance during the original construction of the project. The proposed changes will not result in any new ground disturbance not already accounted for by the original construction. No cultural resources will be affected.

- **Facility Design**

Installation of the stairway, catwalk extension, and concrete pad shall comply with the 2016 California Building Code. Implementation of the existing **Facility Design** conditions of certification adopted in the Decision would ensure this.

- **Geologic and Paleontologic Resources**

All work would occur on-site within existing facilities. Construction of the catwalk extension would be an above-ground activity with no associated ground disturbance. Therefore there is no potential for impact to geologic or paleontologic resources.

The effects of ground shaking on either the stairway or the catwalk extension would be mitigated, to the extent practical, through structural designs required by **GEN-1**, which would require the owner to address current design standards. Compliance with this condition would ensure protection of public health and safety.

Construction of the concrete pads would involve ground disturbance. The proposed maximum depths of disturbance would be 12-inches. Each of the five concrete pads would be constructed in a previously disturbed area; therefore will be no disturbance of geologic or paleontologic resources impact.

During the initial evaluation it became apparent that soil beneath the site would pose a liquefaction hazard in the event that it became saturated and was subject to a seismic event. There is a low probability that liquefaction would occur, but a risk does exist. Soil data developed during construction (soil engineering report prepared for condition **GEO-1**), and compliance with existing Facility Design Conditions of Certification **GEN-1**, **GEN-5**, and **CIVIL-1**, would mitigate these impacts to a less than significant level.

- **Hazardous Materials Management**

During the installation of the new staircase and concrete on site, several hazardous materials will be used. Similar to equipment maintenance activities, these materials would include solvents, gasoline, lubricants, and welding gases, which are already included in the annual compliance report under the existing Condition of Certification **HAZ-1**. Therefore, with petitioner's continued compliance with existing conditions of certification, **HAZ-1** specifically, the proposed modifications would not have a significant effect on the environment and would continue to comply with all applicable LORS.

- **Land Use**

The proposed modifications to replace an existing ladder and cage, build an extension to an existing catwalk, and convert unpaved and gravel areas to concrete pads would be within the licensed project boundaries and would have no significant land use impacts.

- **Noise and Vibration**

Construction work associated with this petition would be temporary and would occur during the daytime hours. Any noise generated during these activities would result in a less-than-significant impact with implementation of the existing **Noise** conditions of certification in the Decision.

- **Public Health**

There is no possibility that the modifications may have a significant effect on the environment and the modification will not result in a change or deletion of a condition adopted by the commission in the Final Decision or make changes that would cause the project not to comply with any applicable laws, ordinances, regulations, or standards.

- **Reliability**

Starting and stopping each air-cooled condenser (ACC) fan repeatedly to accommodate plant cycling induces stresses on its gearbox, contributing to higher than desired failure rates of the gearboxes and fan motors. In order to reduce these stresses, the project owner has proposed to install soft start electrical equipment within three new electrical

equipment cabinets. The proposed soft start equipment would control the flow of electricity to allow each fan motor to gradually increase electric load to the motor thereby reducing start-up inertia stresses. The addition of the ACC soft start capability would increase the power plant's reliability, as this would result in reduction in the breakdown of fan motors due to the reduced stresses on the gearboxes associated with plant cycling.

- **Socioeconomics**

The proposed modifications to replace an existing ladder and cage, build an extension of an existing catwalk, and convert unpaved and gravel areas to concrete pads would take approximately 45 days to complete and require 10 workers. From a socioeconomic standpoint, the proposed amendment would have insignificant workforce-related impacts on housing and community services.

- **Soil and Water Resources**

All the proposed modifications are within the boundaries of the originally analyzed and certified project. Therefore, the proposed changes will not have any additional environmental impacts compared to what was analyzed for the Final Decision because the proposed modifications are within the previously disturbed boundaries of the project.

Staff therefore concludes that the original Storm Water Pollution Prevention Plan (SWPPP) and Drainage, Erosion, and Sedimentation Control (DESCP) documents, required in accordance with Conditions of Certification **SOIL&WATER-1** and **-2**, are adequate for the project with the proposed modifications. However, the plans should be updated to show the proposed changes and necessary storm water controls.

There would be no significant changes to the volumes or quality of storm water from the proposed modifications.

The proposed modifications, especially converting some graveled areas to concrete pavement, would require some water. However, the increase in water use to complete the modifications is expected to be minimal and is not expected to make the project exceed the maximum water amount it is certified to use in the original 2005 Decision.

The proposed modification would not require any changes to soil and water conditions of certification. If the project owner continues to comply with the existing conditions, potential impacts to soil and water resources would be mitigated, and the project will remain in compliance with all applicable LORS.

- **Traffic and Transportation**

Construction equipment and workers associated with the proposed modifications would generate approximately 25 total one-way vehicle trips over the course of approximately 45 days. The amount of construction traffic would have a less than significant impact on roadway level of service and intersection delay.

- **Visual Resources**

The proposed modifications would either not be visible from any offsite locations or would blend in with existing infrastructure at the project site. There would be no impacts to visual resources.

- **Waste Management**

All work would occur on site within existing facilities. In the event contaminated soil is unearthed during excavation in preparation for construction of the five concrete pads, a registered professional engineer or geologist shall have the authority to temporarily suspend construction activity, and perform tests to determine the nature and extent of contamination for the protection of workers or the public. Conditions of Certification **WASTE-2**, **WASTE-3**, and **WASTE-4** provide guidance for the mitigation of contaminated soil. Compliance with existing Waste Management Conditions of Certification **WASTE-1** through **WASTE-6** would mitigate these impacts to a less than significant level.

During construction the waste produced would include but is not limited to: concrete and washdown waste, excess packing materials, basic building materials, and empty containers. The hazardous materials generated during construction would include dried paint and possibly trace amounts of hazardous waste in miscellaneous building materials. Approved Condition of Certification **WASTE-5** requires that waste generated during construction is tracked and disposed at the proper facilities. The project owner will be required to comply with this condition of certification, including submittal of a Construction Waste Management plan to the CPM, prior to the start of mobilization

Based on the information provided by the project owner and previous investigations by the staff, staff concludes the proposed modifications would not result in additional significant environmental impacts in terms of waste management in comparison with the original analysis for the approved project, provided the owner complies with Conditions of Certification **WASTE-1** through **WASTE-6**.

- **Worker Safety and Fire Protection**

By continuing to comply with the existing conditions of certification, the petitioner's proposed installation of a new staircase and concrete on site would not have a significant effect on the environment, and would continue to comply with all applicable LORS. Activities to be performed during the construction duration required for the installation would comply with worker safety and fire protection requirements already contained in health and safety plans utilized for construction of the main facility per Condition of Certification **WORKER SAFETY-1**.

The **Environmental Justice Population Figure 1** (attached) shows 2010 census blocks in the six-mile radius of the REP with a minority population greater than or equal to 50 percent. The population in these census blocks represents an Environmental Justice (EJ) population based on race and ethnicity as defined in the Council on Environmental Quality's *Environmental Justice: Guidance Under the National Environmental Policy Act*. Staff has determined that the proposed modifications would not cause any significant environmental impacts, including the environmental justice population. Therefore, there are not significant

impacts to any population within the REP six-mile radius, including environmental justice population.

This Notice of Determination has been sent to the Energy Commission's facility mail list of interested parties and property owners adjacent to the facility site. It has also been emailed to the facility listserv. The listserv is an automated Energy Commission e-mail system by which information about this facility is e-mailed to parties who have subscribed. To subscribe, go to the Energy Commission's webpage for this facility, cited above, scroll down the right side of the project's webpage to the box labeled "Subscribe," and provide the requested contact information.

Any person may file an objection to staff's determination within 14 days of the date of this notice on the grounds that the project modification does not meet the criteria set forth in section 1769(a)(2). Absent any relevant objections, the amendment petition will be approved 14 days after this notice is docketed. To use the Energy Commission's electronic commenting feature to object to staff's determination, 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 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. 03-AFC-01C
1516 Ninth Street
Sacramento, CA 95814-5512

All comments and materials filed with and approved by the Dockets Unit will be added to the facility docket log and be publicly accessible on the Energy Commission's webpage for the facility.

If you have questions about this notice, please contact Mike Monasmith at (916) 654-4894, or by fax to (916) 654-3882, or via e-mail at mike.monasmith@energy.ca.gov

For information on participating in the Energy Commission's review of the petition, please call the Public Adviser at (800) 822-6228 (toll-free in California) or send your email to publicadviser@energy.ca.gov. News media inquiries should be directed to the Energy Commission Media Office at (916) 654-4989, or by e-mail to mediaoffice@energy.ca.gov.

Date _____

Original Signed by: _____

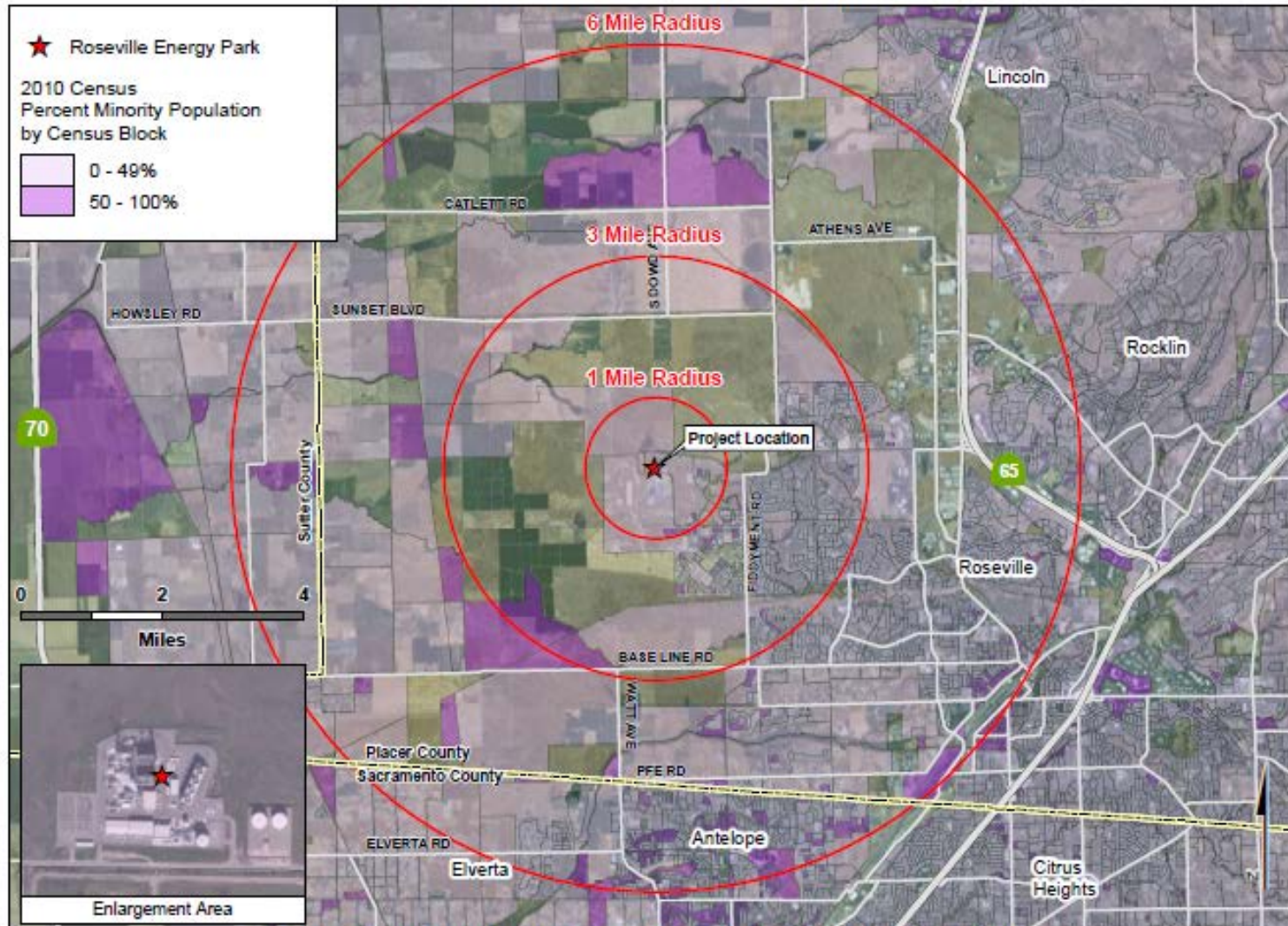
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CC: Roseville Mail list 7172
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ENVIRONMENTAL JUSTICE FIGURE 1
Roseville Energy Park - Census 2010 Minority Population by Census Block



CALIFORNIA ENERGY COMMISSION - SITING, TRANSMISSION AND ENVIRONMENTAL PROTECTION DIVISION
SOURCES: Census 2010 PL 94-171 Data