

DOCKETED

Docket Number:	21-TPG-01
Project Title:	Roseville Energy Park Temporary Power Generators
TN #:	259255
Document Title:	Efficiency Enhancements to the Roseville State Power Augmentation Power Site
Description:	CEC Approval Letter for Efficiency Enhancements to the Roseville State Power Augmentation Power Site, 21-TPG-01
Filer:	Ashley Gutierrez
Organization:	California Energy Commission
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September 23, 2024

Dominick Casey
City Manager
City of Roseville
Roseville, California 95678

**EFFICIENCY ENHANCEMENTS TO THE ROSEVILLE STATE POWER
AUGMENTATION POWER SITE, DOCKET NO. 21-TPG-01**

Dear Dominick Casey:

On July 30, 2021, Governor Newsom issued a Proclamation of State of Emergency (Emergency Proclamation) proclaiming an emergency in California due to sudden and severe energy shortages, extreme drought, wildfires and record-breaking heat events throughout the Western United States. To reduce the strain on energy infrastructure the Governor authorized the California Energy Commission (CEC) to license new emergency and temporary power generators of 10 megawatts (MW) or more that would deliver net peak energy before October 31, 2021.

On August 17, 2021, the CEC issued Order number 21-0817-2 establishing a self-certification process for licensing new emergency and temporary power generators and delegating approval of self-certifications and the granting of licenses to the Executive Director.¹

On September 2, 2021, the City of Roseville, Roseville Electric Utility filed a self-certification application with the CEC requesting a license to temporarily host and operate two 30 MW General Electric (GE) TM2500-G4 gas turbine package units behind two existing water tanks located near the south-eastern corner of the Roseville Energy Park (REP) site along Phillip Road in the City of Roseville. On September 8, 2021, the Executive Director granted the City of Roseville, Roseville Electric Utility a license to operate the emergency and temporary power generators at the Roseville State Power Augmentation Power Site (RSPAPS) ([TN 239616](#)).

¹ California Energy Commission's August 17, 2021, Order No. 21-0817-2 is available at <https://www.energy.ca.gov/filebrowser/download/3659>

In coordination with the Emergency Proclamation and to ensure energy reliability, the Distributed Electricity Backup Assets (DEBA) Program, created by Assembly Bill 205 (Ting, Chapter 61, Statutes of 2022), as part of the Strategic Reliability Reserve, offered grant funding for building cleaner and more efficient distributed energy assets to serve as on-call emergency supply or load reduction for the state of California's electrical grid during extreme events. On October 18, 2023, the CEC adopted the DEBA Program Guidelines. The program guidelines establish the rules for the program, including eligibility requirements, participation process and grant funding structure ([TN 252687](#)).

On June 10, 2024, the Grant Request Form for efficiency enhancements to the RSPAPS generators was approved by the CEC. The efficiency enhancements will include the installation of evaporative coolers and natural gas compression systems for the two existing General Electric TM2500 generators. The installation of the evaporative cooling and natural gas systems will decrease the inlet air temperature, reducing ambient temperature derate effects and will increase the pressure of the incoming natural gas from the local distribution system enabling the generators to operate closer to its full nameplate capability. With the installation of the new systems, the generators will harness an additional 4.75 MW each (total of 9.5 MW) of otherwise lost energy during high temperature days.

On August 14, 2024, the CEC adopted Resolution No: 24-0814-15 and entered into grant agreement DBA-24-001, awarding the city of Roseville \$1,374,747 to fund the efficiency enhancements at the RSPAPS site. The grant agreement includes requirements that the City of Roseville will purchase, install and report efficiency upgrades to improve the performance of the RSPAPS generators and extend the availability of the emergency generators through December 2031 ([TN 258527](#)).

The Resolution contained the CEC's determination that the decision to grant was exempt from the California Environmental Quality Act (CEQA) and on August 16, 2024, the CEC filed a CEQA Notice of Exemption (NOE) with the Office of Planning and Research (OPR).² No comments were received during the 35-day comment period.

The RSPAPS efficiency enhancement application and grant agreement comply with the requirements set forth in the DEBA Program Guidelines, adopted

² CEQA NOE is available at <https://ceqanet.opr.ca.gov/2024080672>

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October 18, 2023, and describe the modifications to be made to the facility. The revised facility continues to comply with the Emergency Proclamation and CEC Order number 21-0817-2. Therefore, under the authority granted to me, I confirm the scope of work approved under this grant is consistent with the terms and conditions, including Conditions and Reporting Requirements (CRRs), of the emergency license applicable to this facility. I further confirm that such license remains valid until its current expiration date of September 8, 2026, as long as the City complies with the scope of work in the grant and operates the facility in a manner consistent with the requirements in the CRR, including that the power generators only operate during grid emergencies, as designated and directed by the California Independent System Operator.

Sincerely,

A handwritten signature in black ink, appearing to read 'Drew Bohan', with a stylized flourish at the end.

Drew Bohan
Executive Director

cc: David Hochschild, CEC Chair
Elizabeth Huber, STEP Director