

To: Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 222
Sacramento, CA 95812-3044

From: California Energy Commission
1516 Ninth Street, MS-48
Sacramento, CA 95814

Project Title: Demonstration of Zinc-Flow Energy Storage System

Project Location - Specific: 4840 Shawline Street

Project Location - City: San Diego Project Location - County: San Diego

Description of Project:

Premium Power, Wal-Mart and SDG&E will work together to demonstrate the technical and economic performance of a 100kW/150kWh Zinc-Bromide (Zn-Br) energy storage system (ESS), connected on the customer side of the meter. This technology offers 30 year life, 100% depth of discharge, 70% round trip efficiency and is fully autonomous allowing report operation.

A successful demonstration of the Zn-Br flow battery energy storage technology at the site would provide critical data that could pave the way for applications at other Wal-Mart stores, other industrial and commercial customers in California and utility sites in California where peak load reduction, load management and demand response is needed, and emissions and noise are a concern.

Name of Public Agency Approving Project: California Energy Commission

Name of Person or Agency Carrying Out Project: Premium Power Corporation

Exempt Status: (check one)

- Ministerial (Sec. 21080(b)(1); 15268);
Declared Emergency (Sec. 21080(b)(3); 15269(a));
Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
[X] Categorical Exemption. State type and section number 14 CCR 15303
Statutory Exemptions. State code number.
Common Sense Exemption. 15061(b)(3)

Reasons why project is exempt:

Class 3 - New construction of limited small new facilities; installation of small, new equipment and facilities in small structures; and conversion of the use of small existing structures (e.g., construction of three or fewer single-family homes in urban areas). This project will result in minor site preparation work for the installation of a 100kW Zn-Br battery unit that may be housed in a small newly constructed structure to ensure security and proper maintenance access.

Lead Agency

Contact Person: Anish Gautam Area code/Telephone/Ext: 916-654-4196

If filed by applicant:

- 1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? Yes No

Signature: Date: Title:

- [X] Signed by Lead Agency
Signed by Applicant

Date received for filing at OPR: