

Battery Innovation in Kearny Mesa, California



Overview

The battery is located behind the manufacturing site's retail meter with San Diego & Gas Electric so it can provide energy services for the facility like demand charge management and time-of-day rate shifting. It's also equipped with a CAISO meter and RIG so it can be an energy resource for the California grid. The Project was partially funded through the State's Self - Generation Incentive Program. Diamond Generating LLC's affiliate company, Boston Energy Trading & Marketing, is the scheduling coordinator for the Project.

Service Provided

Behind-the-meter operation: Time-of-use bill management, demand charge reduction, demand response

Grid Stability: Regulation and operating reserves

Sustainable Capacity: Flexible battery storage-based resource adequacy

Results

The project has been able to provide energy cost savings for the facility and resiliency to the electricity grid. The results below reflect lifetime customer savings and emissions avoided as of 2021.

\$394,105

Energy Cost Savings

6,048 tCO₂e

Emissions Reduced
in 2021

Customer

Mitsubishi

Location

San Diego, California

System Size

1000 kW / 4000 kWh

Commission Date

Q1 2019

Applications



Peak Demand
Management



Time-of-Day
Load Shifting



Microgrid Reliability



Flexible Capacity
Resource



Resource Adequacy

This is believed to be the first project of its kind to operate under FERC Order 841 and the CPUC's Decision on Multi-Use Applications. The project has been able to provide energy cost savings for the facility and resiliency to the electricity grid.

See more at www.peakpowerenergy.com

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