

Demand Response WITH ENERGY TOOLBASE

Generating revenue while providing capacity and energy to the grid through the use of energy storage (ESS) assets can drastically boost project economics.

Energy Toolbase provides simple and accurate modeling, enrollment, participation, and revenue generation for demand response programs in California including:

(DSGS) Demand Side Grid Support Program

- ▶ Revenues are increased 30% for participants who enroll in 2024
- ▶ Appropriate for sites that have coincidental energy storage system (ESS) discharges between 4 and 9 pm as the program allows value capture while performing utility bill savings
- ▶ Metered data used to review and reconcile performance (no complex baseline methodology)

(DRAM) Demand Response Auction Mechanism

- ▶ A valuable way to hedge utility bill savings with market revenues
- ▶ Assets can participate year-round
- ▶ Very lucrative for sites where the load is not coincidental with the program participation hours due to the 10 in 10 baseline

Emergency Load Reduction Program (ELRP Group B)

- ▶ Stackable with other programs
- ▶ Fewer events, but highly lucrative
- ▶ Provides emergency energy (including export) to the grid



Location: San Jose, California

System Size: 480kW/1,032kWh

EMS Application: Time-of-Use Demand Charge Management



Tech Campus

Grocery Outlet



Location: National City, California

System Size: 60kW/266kWh

EMS Application: Demand Charge Management & TOU Arbitrage

Site Overview: The Grocery Outlet is part of a four-site portfolio where the developer has been enlisted to deploy energy storage as part of the local utility's demand response integration pilot program.

Location: San Diego, California

System Size: 240kW/532kWh

EMS Application: Demand Charge Management



Beverage Manufacturing Facility

Critical Water Facilities



Location: Ventura County, California

System Size: 932kW/3,769kWh across five sites

EMS Application: Load Signal Demand Charge Management

Site Overview: The systems will participate in the state's Demand Response Auction Mechanism program (DRAM) program, a pay-as-bid solicitation created to strengthen grid stability and synchronize the reliability demand response of utilities with CAISO, California's grid operator.