



Gas Station Microgrid Project

What is Paradise microgrid & battery energy storage system project?

Paradise Microgrid and Battery Energy Storage System Project SDG&E has been rapidly expanding its battery energy storage and microgrid portfolio. We have around 21 BESS and microgrid sites with 335 megawatts (MW) of utility-owned energy storage and another 49+MW in development.

What are microgrid and battery projects?

Microgrid and battery projects are complicated systems comprised of batteries, inverters or power conversion systems (PCS), transformers, cyber secure communications, metering, switching, energy and battery management systems, microgrid controllers (if applicable) and auxiliary equipment.

What is a microgrid project?

The primary goal for microgrid projects is to increase the energy resilience and enhance the ability to serve an installation's electrical loads during a contingency situation.

Can a microgrid be used during a power emergency?

When the microgrid was used during an actual power emergency, it gave SDG&E and our customers a glimpse of a "utility of the future" -- one in which the grid itself can respond to outages by routing and restoring power where it's most needed, bringing vital energy to residents, and quite possibly saving lives in the process.

Why did SDG&E build a microgrid?

Cameron Corners is a remote community located in southeastern San Diego County. To minimize the impact of a PSPS on this community, SDG&E built the microgrid to help keep critical facilities powered during extended outages and emergencies.

What is a Pacific Missile Range facility microgrid?

Pacific Missile Range Facility Microgrid (Funded by ESTCP): This project will connect two feeders of the distribution system: one has a diesel generating plant with critical loads, and the other has administrative buildings with rooftop solar PV and battery energy storage systems. This microgrid is considered a full feeder microgrid.

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