

Kearny Battery Energy Storage System



Overview

As part of San Diego Gas & Electric's (SDG&E®) commitment to sustainability, we are integrating a growing amount of energy storage to help maximize the use of renewable electricity produced by the sun and wind and support grid reliability. One of our newest storage projects is a 20 megawatt (MW) Battery Energy Storage System (BESS) under construction at our Kearny Mesa operations center. This project includes installation of two lithium-ion battery storage systems to provide a total of 20MW, or 80MWh, of battery energy storage to our local grid. This is equivalent to powering about 13,000 residential customers for roughly four hours. Battery energy storage works by absorbing electricity when it's abundant on the power grid and putting the power back on the grid when it's most needed, such as during the evening after the sun sets and solar energy fades away.

Project benefits

SDG&E has made a commitment to reach net zero greenhouse gas emissions by 2045. The company's climate pledge calls for eliminating all emissions associated with its operations and those generated by customers' energy delivered by SDG&E. We expect to have 145 MW of utility-owned battery storage integrated into the local grid by the end of 2022. The Kearny BESS is another exciting energy storage project that will help advance our renewable energy goals and is in alignment with what has been directed by the state to procure energy storage. Increased energy storage has the ability to mitigate the impact of rotating power outages and other unplanned service interruptions.

Construction activities

Construction within our Kearny Mesa operations center began in April 2021. The facility is anticipated to be in operation by the end of 2021. Anticipated work hours are Monday - Saturday from 7 a.m. - 7 p.m.



Did you know?

In SDG&E's service area there are **16,500** miles of power lines, **230,000** power poles and **155,000** power transformers. Over **1.4 million** electric meters and **860,000** natural gas meters serve **3.4 million** customers.



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SDG&E will work to minimize impacts from construction activities to the extent possible. Noise and dust disturbances may increase due to construction activities. Construction dates are subject to change according to compliance requirements, inclement weather or other unforeseen circumstances.

The Kearny Project will be comprised of liquid cooled lithium-ion batteries, power conversion systems (PCS), transformers, communications and auxiliary equipment.

The batteries will be installed in custom-built, above-ground enclosures that are integrated as turnkey energy storage systems. Each enclosure will have its own fire detection and suppression system to maximize system safety.

Contact information

Should you have any questions or require additional information, please call **844-765-6388** or contact SDG&E Public Affairs Manager, Claudia Valenzuela, at cvalenzuela@sdge.com.

