



Did you know?

SDG&E has been rapidly expanding its energy storage and microgrid portfolio. We have around 21 ESS and microgrid sites with over 1.3 Giga-Watt hours (GWh) of utility-owned energy storage and another 170+ MWhs in development.

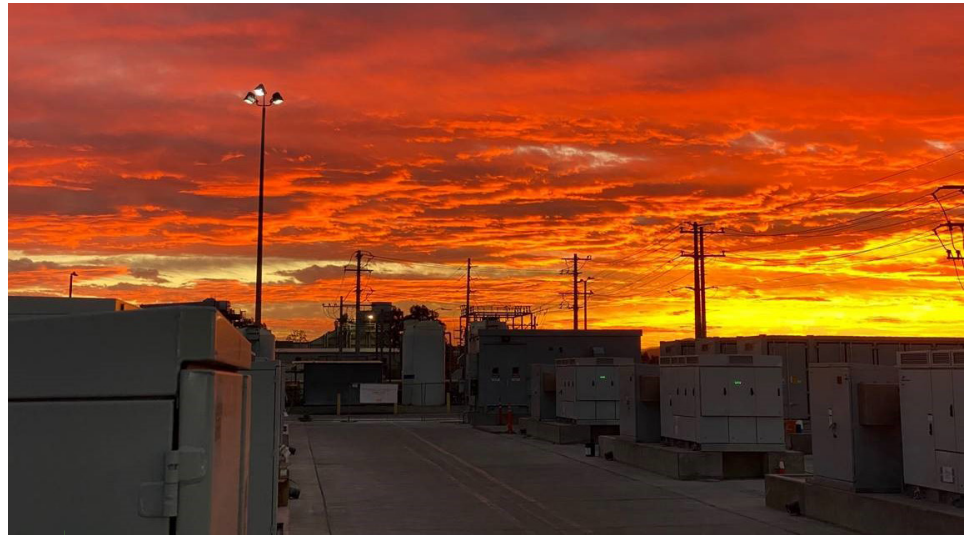


Join SDG&E in championing safety. Together, let's power a sustainable tomorrow.



SDG&E's Energy Storage Safety System

At SDG&E®, we are committed to forging a sustainable energy future for generations to come. Our Energy Storage Systems (ESS) play a pivotal role in enhancing grid resiliency and reducing carbon emissions. Whether harnessed from wind, solar, or other sources, stored energy provides backup power during outages, mitigates peak demand, and ensures a reliable power supply at all hours. SDG&E is building a diverse portfolio of battery system solutions - including lithium-ion manganese, lithium-ion phosphate, vanadium redox flow and iron-salt flow batteries and hydrogen - to build grid reliability and help store surplus renewable energy.



Top Gun Energy Storage Site, Miramar, California

General safety

At SDG&E, the safety of the public and our employees is our highest concern. SDG&E conducts thorough site and technology assessments, complying with the most stringent industry codes and standards. Our safety measures extend from maintaining proper distances and barriers to specialized equipment and implementing emergency response/emergency action plans. We continuously enhance safety with custom-engineered enclosures, early warning detectors, ventilation and deflagration. These measures help us mitigate potential risks and enhance response times, ensuring a safe and secure environment for all.



Battery storage facility

Current safety technology

Cell safety

- Adheres to the most stringent UL/NFPA standards

Electrical safety

- Electric codes and testing
- Multiple emergency-stops (ESTOP)
- Lockable disconnection devices
- Physical separation of systems
- Lightning protection

Fire protection safety

- Detectors (Smoke, Temperature, Gas)
- Fire Suppression Agent – Aerosol
- Ventilation and smoke exhausting for deflagration prevention
- Dry pipe sprinkler system – Water

Procedures and plans

- Emergency Action Plans (EAP) and Emergency Response Plans (ERP)
- Notification and Communications plans in accordance with SB-38
- Industrial Fire Brigade
- 24/7 Monitoring

Safety at the forefront

Our mission is to deliver safe, clean, and reliable energy and we actively engage with local authorities, communities, and first responders to facilitate a safe transition to carbon net zero resources and assets.

As operators of America's largest utility-owned weather network, SDG&E is uniquely positioned at the cutting edge of energy-storage related emergency response and first responder coordination. Our strong coordination with first responders enhances emergency preparedness, risk mitigation and community safety by building trust and reinforcing emergency response.

Safety is our core value and every day, our team strives to reduce our carbon footprint, promote energy innovation and conservation, and inspire the communities we serve to take daily actions that contribute to a safe, sustainable, and equitable energy future for generations to come.

Safety training

Our team of experts on the Energy Storage Safety Task Force is constantly reviewing the latest research and recommendations to ensure that SDG&E leads the way in energy storage safety. We also coordinate outreach effort with first responders and local customers to enhance safety and awareness.