



Fallbrook 2.0 BESS

Fallbrook Community Planning Group

February 2024



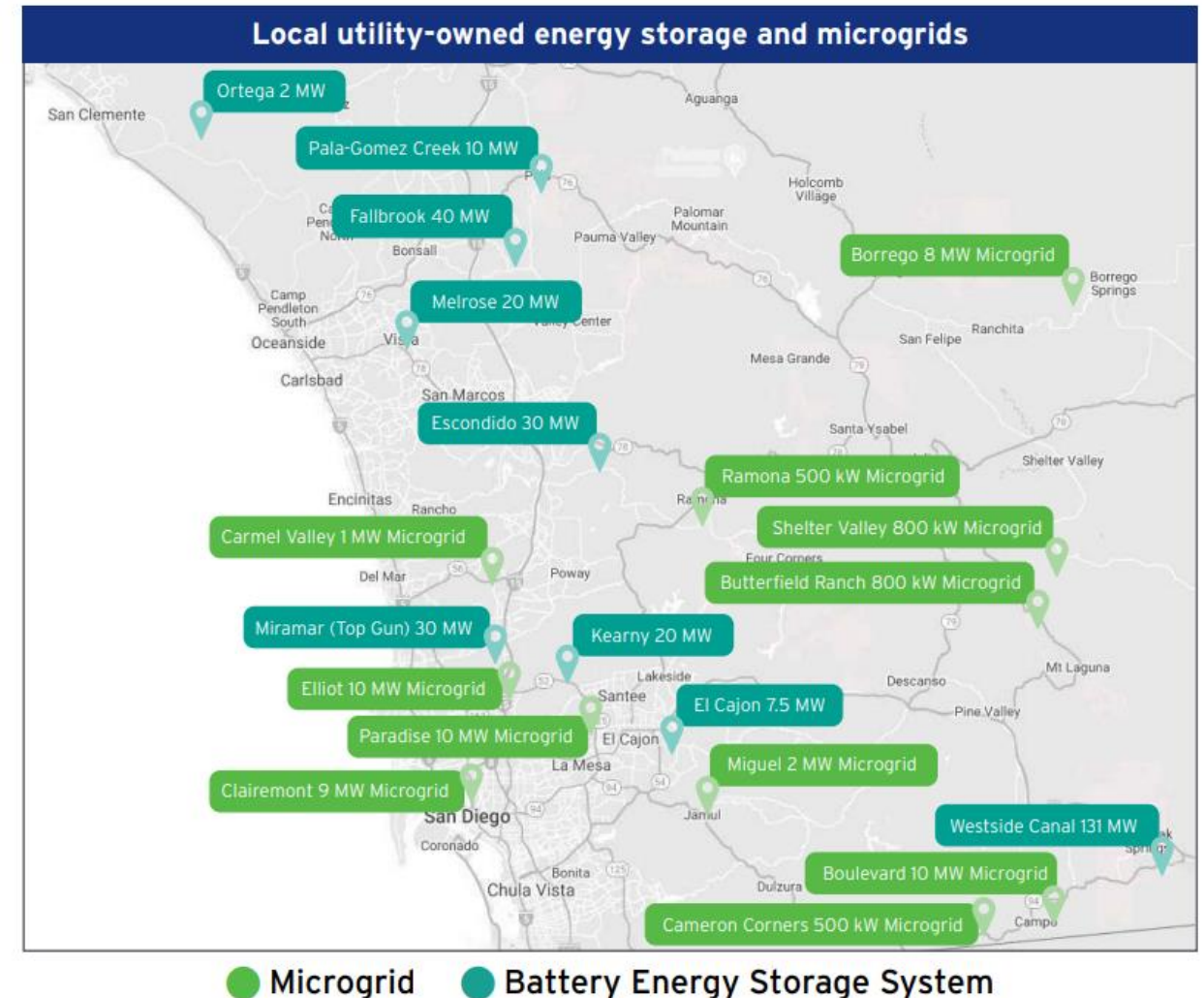
Background



- The project includes construction of a battery energy storage system (BESS) approved by California Public Utilities Commission (CPUC) on December 14th with a target operation date of August 2024 in response to emergency procurement directed by the CPUC.
- The project will increase resiliency and reliability of the grid.
- SDG&E will own, engineer, construct and operate the BESS facility in accordance with all codes, best practices and laws (including for example: grading, environmental/biological/cultural monitoring, dark sky lighting, noise, work hours, traffic, storm water, fire/safety and water quality).
- The development of the utility-owned BESS project is necessary to maintain electricity service which is essential to the public health, safety, and welfare.
- The utility-owned BESS project is governed by Commission General Order 131-D as it relates to permitting electric facilities in California.

SDG&E BESS and Microgrids

- Projects presented represent only SDG&E owned and operated energy storage sites.
- SDG&E has developed energy storage throughout San Diego County, increasing resiliency and reliability.
- There are other energy storage projects within San Diego County owned and operated by independent power producers.
- As reference, utility-owned energy storage amounts to only about ~10% of the energy storage in California.

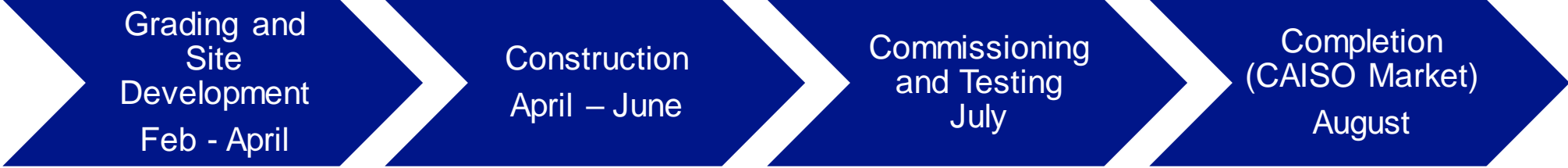


SDG&E Safety

- **Cell Safety:** highly stable **lithium iron phosphate** is used in the CATL EnerC+ container. (9540A, NFPA 855)
- **Electrical safety:**
 - E-Stop
 - multiple fuse protection
 - insulation voltage monitor
 - multi-channel isolation
 - lightning protection
- **Fire protection safety:** CATL has four-level fire control strategy.
 - Detectors – Smoke, Temperature and Gas
 - Fire Suppression Agent - Aerosol
 - Ventilation and smoke exhausting to prevent deflagration
 - Water – Dry pipe sprinkler system
- **SDG&E Procedures and Plans:**
 - Emergency Action Plans and Emergency Response Plans
 - Notification and Communications plans
 - Third Party Fire Brigade (Capstone)
 - 24/7 Monitoring
 - Safety Training and On-site Tours
 - SDG&E Energy Storage Task Force



Project Timeline





Questions