



ARMY ENERGY RESILIENCE PROJECT

JOINT FORCES TRAINING BASE – LOS ALAMITOS, CALIFORNIA

The Assistant Secretary of the Army (Installations, Energy & Environment), Joint Forces Training Base – Los Alamitos (JFTB, LA), CA, California National Guard, the U.S. Army Corps of Engineers, and Bright Canyon Energy (BCE) collaborated on the development of an energy resilience project at JFTB, LA. The project will enhance energy resilience by including a microgrid capable of powering the base’s critical missions for a minimum of 14 days during a grid outage and supports the Army Climate Strategy goal to build a microgrid on every installation by 2035.

About Joint Forces Training Base – Los Alamitos

JFTB, LA serves as the California National Guard’s primary military training facility and emergency-response hub in Southern California. Defense Support of Civil Authorities is a critical mission of the California National Guard, and together, JFTB, LA and Los Alamitos Army Airfield serve as the Guard’s major base in Southern California for emergency response. The runway can handle the large aircraft required for firefighting operations and its expansive ramp space provides a flexible sustainment platform for launching responders and supplies into affected areas.

JFTB, LA hosts over 40 major military, government, and civilian tenant organizations – including headquarters of the California National Guard’s 40th Infantry Division and the Army Reserve’s 79th Theater Sustainment Command. More than 6,000 Guardsmen and reservists from all military branches and first responders train at -LA.



Aerial Rendering of JFTB, LA Energy Resilience Project

PROJECT DETAILS

- Bright Canyon Energy (BCE) will construct, own, operate, and maintain the energy resilience project that provides carbon free electricity to the CA Grid.
- The project will include 26MW of solar generated electricity, a 20MW/40 MWh battery energy storage system, 3MW of backup generators, and a microgrid control system.
- The project supports the Army Climate Strategy goal to build a microgrid on every installation by 2035.
- The project will enhance energy resilience by providing power for critical JFTB, LA missions for a minimum of 14 days during electrical grid outages.
- During normal operations, BCE will sell energy to San Diego Gas and Electric via the Southern California Edison transmission system.
- The project will enhance grid reliability by adding distributed generation near load center to alleviate transmission line congestion.
- The Battery Energy Storage System will provide power quality improvements to the local electric grid.
- The project includes a 30-year lease term for approximately 100 acres.

