Suncrest Dynamic Reactive Support Project

The location for the proposed Suncrest Dynamic Reactive Support Project is east of San Diego, California.

Overview

» Located 30 miles east of San Diego, California on a previously disturbed site
» To be built, owned and operated by NextEra Energy Transmission West (NEET West)
» Will include a Static Volt Ampere Reactive Compensator (SVC), a technology that is used throughout the world, including California
» Will include an approximately one mile, 230-kilovolt (kV) transmission line expected to be undergrounded below an existing roadway
» An approximately two-acre footprint for the SVC facility on a six-acre site
» Will interconnect with the existing Suncrest substation owned and operated by San Diego Gas & Electric Company

Benefits

» Will improve the integration of renewables into Southern California
» Will provide greater voltage control and stability
» Will improve and maintain the reliability of the transmission grid by providing dynamic reactive power support
» Will meet the project need in a cost-effective manner

About NextEra Energy, Inc. (NextEra Energy)

» NextEra Energy is a leading clean energy company
» Owns and operates approximately 8,700 circuit miles of transmission lines, and nearly 830 substations in North America
» World’s largest generator of renewable energy from the wind and sun through its subsidiary NextEra Energy Resources, LLC (NEER)
» Operations in 33 states in U.S. and Canada as of December 31, 2017
» Serving approximately 5 million customers in Florida through its principal subsidiary Florida Power & Light (FPL)

NextEra Energy Transmission, LLC (NEET) is a wholly-owned subsidiary of NextEra Energy

» World-class transmission construction and operations team
» Assets including existing facilities in New Hampshire and Texas as well as projects under development in California, New York, and Canada
» Has the capability to develop, finance, license, construct, operate, and maintain transmission facilities
Project Need

» CAISO’s 2013-2014 transmission plan identified a policy-driven need for dynamic reactive power support connected to the Suncrest substation 230 kV bus to meet the 33 percent California Renewable Portfolio Standard

» CAISO governing board approved the Suncrest 230 kV 300 MVAr dynamic reactive power support project on March 25, 2014 as part of its approval of the 2013-2014 transmission plan

Selection Process

» The CAISO Tariff specifies that the CAISO’s transmission planning process must include a competitive solicitation process for new, stand-alone regional transmission facilities needed for reliability, economic, and/or public policy driven reasons

» CAISO determined that the Suncrest Project was eligible for competitive solicitation

» In January 2015, CAISO selected NEET West as the Approved Project Sponsor to finance, construct, own, operate, and maintain the Suncrest Project


Regulatory/Permitting Process

» California Public Utilities Commission (CPUC) has jurisdiction over the Suncrest Project

» Suncrest Project will be evaluated under two separate, but parallel paths per CPUC procedures
  - Certificate of Public Convenience and Necessity (CPCN) for project need and costs
  - California Environmental Quality Act (CEQA) for environmental review

Next Steps

» NEET West expected to file its CPCN application and Proponent’s Environmental Assessment (PEA) with the CPUC late this summer

» CPUC will conduct scoping meetings following NEET West’s application being deemed complete

» Project application is currently being reviewed by the CPUC for approval