

Sycamore to Peñasquitos 230 kV Transmission Line

Did you know?

- The California Independent System Operator identified this proposed line as a priority in its 2012-2013 Transmission Plan. Through a competitive solicitation process, SDG&E was selected to design, construct and own the line.
- Plans for the proposed line include using existing right-of-way as well as constructing a new underground section along Carmel Valley Road.
- Along the proposed line, existing wood poles will be replaced with galvanized steel poles.

SDG&E® submitted an application to the California Public Utilities Commission (CPUC) for approval to construct a new 230 kV transmission line that would run between the Sycamore Canyon and Peñasquitos Substations. The new line will help improve reliability and integrate more renewable energy into our system which helps meet state mandated goals.

The proposed Sycamore to Peñasquitos 230 kV line is divided into the following primary components:

- **Segment A** - Replace existing 138 kV wood frame structures with new 230 kV steel poles (8.3 miles, all located in SDG&E's existing right-of-way).
- **Segment B** - Install new 230 kV underground transmission line along Carmel Valley Road (2.8 miles, all located in SDG&E's existing franchise position).
- **Segment C** - Install new 230 kV conductor on existing 230 kV steel structures (2.2 miles, all located in SDG&E's existing right-of-way).
- **Segment D** - Install new 230 kV conductor on existing 230 kV steel lattice towers and relocate two existing 69 kV power lines to new tubular steel poles (3.3 miles, all in SDG&E's existing right-of-way).
- Minor modifications of the existing Sycamore Canyon and Peñasquitos Substations to allow for connection of the new 230 kV transmission line.



The proposed transmission line will help us maintain reliability in neighborhoods throughout the region.

Project purpose and need

The California Independent System Operator (CAISO) identified the proposed project as reliability-driven but eligible for competitive solicitation because of policy benefits such as meeting state environmental and energy policy goals. One of the goals is addressing energy availability given the planned retirement of coastal power plants that use once-through cooling systems. Since CAISO identified the proposed project as necessary in its 2012-2013 Transmission Plan, the need for the proposed project has increased due to the unanticipated early retirement of the San Onofre Nuclear Generating Station. The proposed project will improve the delivery of imported energy to the San Diego coastal area and help meet the forecasted increase in electricity demand in the San Diego region.

► Benefits

Some of the key benefits of the proposed project are:

- Improved reliability and integration of existing renewable energy into our system.
- Use of existing electric utility corridors, structures, access roads and work areas.
- Fire “hardening” by replacing existing wood structures with steel.

Permitting

The CPUC has jurisdiction over the final design, construction and route location of this proposed project. In April 2014, we filed an application with the CPUC for a Certificate of Public Convenience and Necessity. The application included a Proponent’s Environmental Assessment. The proposed project may require additional agency approvals, including approval from MCAS Miramar since the Sycamore Canyon Substation is located on the base.

Project schedule (proposed)

Construction start date: June 2016

In-service date: May 2017

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Additional information

For more details about this project, please visit sdge.com/key-energy-initiatives.

