

Proposed Project

Description

The proposed Antelope-Pardee 500-kV Transmission Project (proposed Project) would involve the construction of a new 25.6-mile 500-kV transmission line between SCE's existing Antelope Substation and Pardee Substation utilizing much of the existing Saugus-Del Sur Utility Corridor.



Looking southwest from Lake Elizabeth Road at the Antelope-Pole Switch 74 66-kV line.

Location

As shown in the figure on the back of this page, the proposed Project would extend southwesterly from the Antelope Substation in the City of Lancaster to the Pardee Substation in the City of Santa Clarita. The proposed route departs the Antelope Substation on tubular steel poles within a new 180-foot-wide ROW. At Mile 1.1 the proposed Project turns southwest and enters the existing Saugus-Del Sur Utility Corridor, within which it remains until Mile 18.6 and replaces the existing Antelope-Pole Switch 74 66-kV line. From Mile 1.1 to Mile 5.7 within the Saugus-Del Sur Utility Corridor, the ROW width would be expanded from 50 to 180 feet.

At Mile 5.7, the transmission line enters the Angeles National Forest (ANF) on National Forest System (NFS) lands and remains within NFS boundaries for the next 12.9 miles until Mile 18.6, except between Mile 9.2 and Mile 9.5 where the proposed Project crosses private land in-holdings at Bouquet Reservoir. This portion of the ROW through the ANF would be widened from 100 to 160 feet. At Mile 18.6, the proposed route turns south into a new ROW for 1.7 miles, crossing private land in-holdings within ANF (non-NFS lands) before exiting the ANF at Mile 19.3. At Mile 20.3, the proposed route turns west and enters the Pardee-Vincent 500-kV ROW, in which it would remain until its termination at Pardee Substation at Mile 25.6. Within the first portion of this ROW (from Mile 20.3 to Mile 22.3), the proposed Project would replace the existing Pardee Vincent 500-kV single-circuit towers with double-circuit towers, and from Mile 22.3 to Mile 25.6, the proposed transmission line would be constructed on double-circuit 500-kV towers in the vacant position of the ROW.

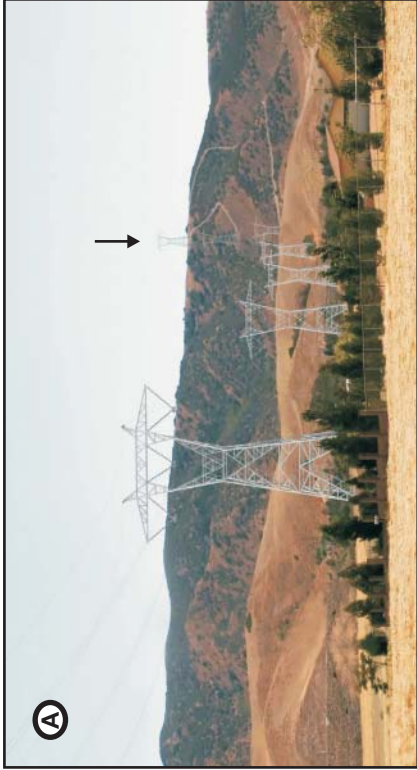
Key Environmental Issues

- **Air Quality** – Second lowest annual and total construction emissions, after Alternative 3 (with the exception of fugitive dust emissions for Alternative 2).
- **Geology, Soils, Paleontology** – Results in relatively low potential for construction-related slope instability and erosion compared to the other alternatives, except for Alternative 3 which results in the lowest potential.
- **Forest Management Activities** – This alternative would adversely affect Forest Management Activities, such as fire suppression and firefighter safety.
- **Land Use and Public Recreation** – Would not significantly affect Bouquet Canyon Stone Quarry and recreational trails in the ANF. Would require acquisition of private land, but would not require removal of existing residences.
- **Noise** – Noise impacts to the Veluzat Motion Picture Ranch and residences in the Santa Clarita area would occur with the proposed Project.
- **Socioeconomics** – Would adversely affect operations of the Veluzat Motion Picture Ranch.
- **Utilities and Service Systems** – Would generate less waste and require less water during construction than the other alternatives, except for Alternative 3 which generates the least amount of both.
- **Visual Resources** – Results in significant increases in visual contrasts, including increased structure prominence, skyline blockage, and industrial-character structures in the Antelope Valley, ANF, and Santa Clarita areas. The only alternative that has greater visual prominence and greater disturbance to the visual environment is Alternative 1.

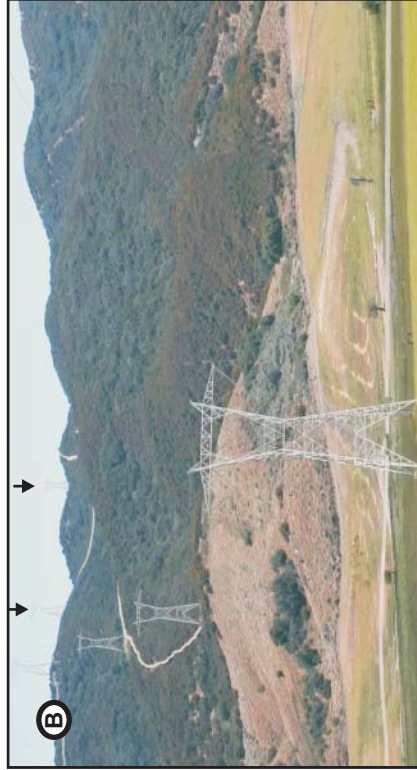
Summary Facts

- **Total miles: 25.6 (12.6 on NFS lands)**
- **Single-circuit 500-kV towers: 93**
- **Double-circuit 500-kV towers: 21 + 1 existing**
- **Miles of new ROW: 2.8**
- **Generally remains in the existing Saugus-Del Sur Utility Corridor.**

Proposed Project: Antelope Substation to Pardee Substation



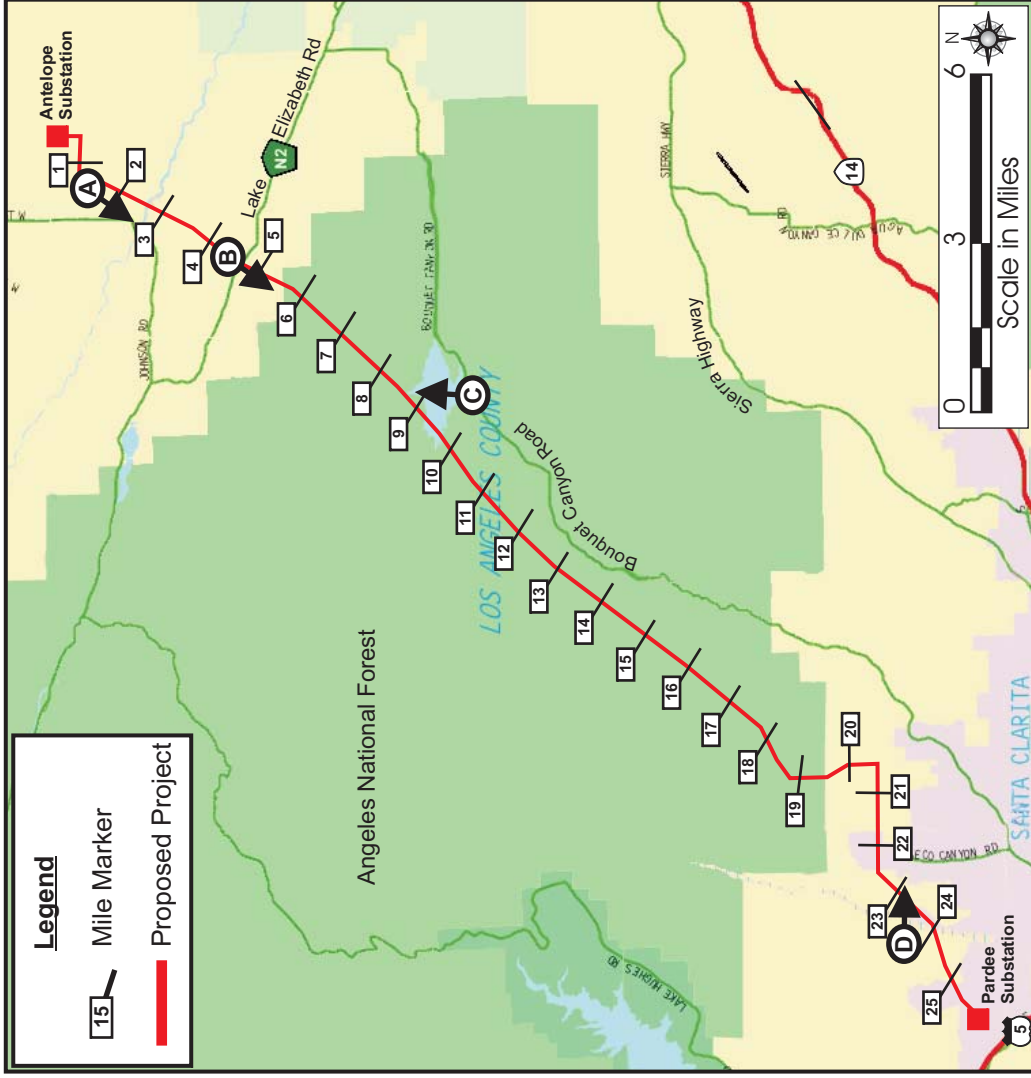
Simulated View: Looking southwest from Avenue K



Simulated View: Looking southwest from Lake Elizabeth Road



Simulated View: Looking north over Bouquet Reservoir



Simulated View: Looking east from Rio Norte Junior High School

