

NOTICE OF CONSTRUCTION

Southern California Edison (SCE) has scheduled construction of the **Eldorado-Lugo-Mohave (ELM) Series Capacitor Project (Project)**. The primary purpose of the ELM Project is to increase the import capability of the existing Eldorado-Lugo and Lugo-Mohave 500 kilovolt (kV) transmission lines in support of the California Renewable Portfolio Standard (RPS). The Project addresses an existing transmission constraint which limits deliverability of renewable generation into California by increasing the flow of electricity on the existing electric infrastructure. Construction will take place primarily along the 500 kilovolt (kV) transmission lines located in San Bernardino County, California, and Clark County, Nevada. The Project also includes some electrical distribution and telecommunications construction in the existing right-of-way.

Construction Activities associated with the project include:

Material Yard Activities

- Site preparation
- Material delivery and storage; preparation and assembly of material prior to delivery to work areas
- Construction offices
- Vehicle and equipment maintenance
- Temporary helicopter operations

Transmission Lines and Tower Improvements:

- Site preparation
- Replacement of existing overhead ground wire with overhead optical communications ground wire
- Modification of existing towers to support optical ground wire Relocation, replacement, or modification of existing transmission, subtransmission, and distribution facilities including minor grading to correct overhead line ground clearance requirements

Modifications to Existing Substations:

- Replacement of existing series capacitors at Mohave Substation
- Modification of existing series capacitors at Lugo and Eldorado Substations
- Replacement of two tubular steel poles at Lugo Substation
- Installation of new terminal equipment at Eldorado, Lugo, and Mohave Substations

Distribution and Telecommunications

- Installation of distribution facilities to provide station light and power to the proposed Newberry Springs Series Capacitor and Ludlow Series Capacitor sites.
- Installation of distribution facilities to provide station light and power to three proposed fiber optic repeater sites
- Installation of overhead and underground telecommunication facilities including the installation of three fiber optic repeater sites

Series Capacitors:

- Construction of the new Newberry Springs Series Capacitor 500 kV mid-line series capacitor
- Construction of the new Ludlow Series Capacitor 500 kV mid-line series capacitor

Construction Schedule:

Work will be done intermittently from October 2020 through June 2022.

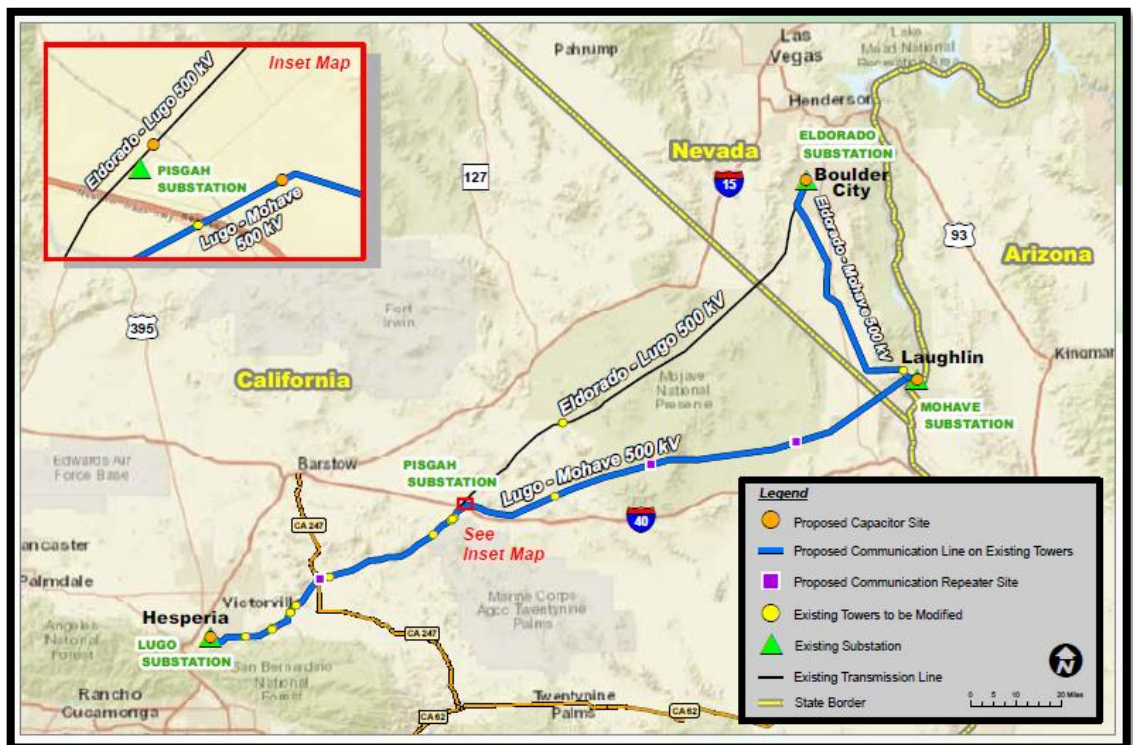
- **Phase 1:** Site preparation of material yards. Material delivery and storage; preparation and assembly of material prior to delivery to work areas Relocation of the distribution line that runs through Newberry Spring series capacitor site. Replacement of existing series capacitors at Mohave Substation. Site preparation at Ludlow Series Capacitor.
- **Phase 2:** Installation of new terminal equipment at Lugo and Mohave Substations. Replacement of two tubular steel poles at Lugo Substation. Replacement of existing overhead ground wire with overhead optical ground wire. Installation of distribution facilities to provide station light and power to the new Newberry Springs Series Capacitor and Ludlow Series Capacitor sites. Construction of the new Newberry Springs Series Capacitor 500 kV mid-line series capacitor. Construction of the new Ludlow Series Capacitor 500 kV mid-line series capacitor. Temporary helicopter operations.
- **Phase 3:** Modification of existing series capacitors at Lugo. Installation of distribution facilities to provide station light and power to three proposed fiber optic repeater sites Installation of overhead and underground telecommunication facilities including the installation of three fiber optic repeater sites.
- **Phase 4:** Modification of existing towers to support optical ground wire relocation, replacement, or modification of existing transmission, sub transmission, and distribution facilities including minor grading to correct overhead line clearance discrepancies. Modification of existing series capacitors at Eldorado Substations. Installation of new terminal equipment at Eldorado Substations.

Note: Only major project components are displayed on this map

Most work activities will be conducted Monday through Saturday from 7:00 a.m. to 7:00 p.m. Occasionally, as project conditions require, work will occur on Sundays and overnight. Work will occur intermittently along the various Project segments, based upon power outages, material availability and season/jurisdictional restrictions.

SCE is committed to ensuring public safety during construction. SCE also understands construction can potentially be disruptive

to daily activities and is committed minimizing the impacts of this Project, to the extent possible, and making efforts to schedule construction activities to avoid heavy traffic periods.



For More Information

Visit the Project website at: www.on.sce.com/eldorado

Public Liaison: Selya Arce

Call the Project information line at (866) 602-3782. Para información en español, llame al (866) 602-3782.