ORANGE REGIONAL TRANSMISSION PROJECT



New transmission is needed in California to meet the growing demand for electricity. Adding transmission capacity will support a reliable, resilient electric system that is ready to deliver clean energy when and where it's needed.

The Orange Regional Transmission Project (ORTP) would strengthen Southern California's grid and help deliver energy from renewable generation sources. The majority of the line is proposed for construction within an existing electrical transmission corridor, minimizing the need for new corridors and reducing potential environmental and community impacts. Structures would be similar to those used for existing high-voltage transmission lines. Final design, route and alternatives will be evaluated through the regulatory process. This project is part of a broader statewide grid planning effort led by the California Independent System Operator (CAISO), the agency responsible for planning the state's transmission needs and managing the electrical grid.

Status: Early planning phase, details such as routing and design are still being evaluated.

WHAT TO EXPECT

The Orange Regional Transmission Project is a proposed project designed to strengthen Southern California's electric grid and support our region's growing energy demand.

It includes:

- A new ~33 mile, 500-kilovolt transmission line

Connects:

- Serrano Substation (Orange)
- A new substation near Camp Pendleton, CA proposed as part of a different project

This project will:

- **Improve reliability**: Strengthen the transmission network across the region
- **Increase clean energy**: Deliver renewable power from across the state to customers
- **Meet growing demand:** Support electrification of homes, businesses and transportation

COMMUNITY INPUT

Your voice is part of the process.

SCE will remain in close contact with area elected officials and agencies with jurisdiction over the project.

Opportunities to engage include:

- Community meetings to learn more and share feedback
- Formal input during the California Public Utilities Commission (CPUC) review process
- Ongoing coordination with cities, counties and public agencies

SCE will share project updates and solicit feedback as more details become available.

PROJECT TIMING

SCE plans to submit an application to the California Public Utilities Commission (CPUC) in early 2027.

Following submission, key steps will include permitting, environmental review, route selection and continued stakeholder engagement. As part of the environmental review process, SCE will seek input from stakeholders, environmental agencies, local governments and other interested parties.

Regulatory approval is anticipated in 2028, with construction scheduled to begin in 2029.

The transmission line is projected to be in-service by June 1, 2034.

PRELIMINARY PROJECT MAP

