

Ocean Ranch Substation project

A new substation called Ocean Ranch, located in the city of Oceanside, was approved by the California Public Utilities Commission in October 2017.

**around
45%**

That's how much renewable energy customers receive as part of SDG&E's standard power mix.

In an effort to serve existing and anticipated customer-driven demand as well as to maintain reliability of the electrical distribution system, we're constructing a new substation with greater capacity. This allows us to maintain service reliability and gives us the ability to support future growth in this north coastal city.

Project construction includes the associated electric infrastructure that will connect this new substation to SDG&E's existing electric system.

Project benefits

- Enhanced safety and reliability of the local electric system.
- Improved system performance during extreme weather conditions.
- Helps prevent potential service disruptions to Oceanside residents and businesses.

Main project components

- **Construction of new Ocean Ranch Substation.** This new state-of-the-art distribution substation has a low-profile design enclosed by an approximately 10-foot-tall wall.
- **Power line loop-in.** This project will loop-in an existing underground transmission line from the San Luis Rey substation (to the west) and Melrose substation (to the east).



- **New distribution lines.** Four new distribution circuits will be installed connecting the substation to the existing underground system serving the area.
- **Telecommunications system.** A new power pole installed within the substation property will include fiber optic cable. This enables reliable and redundant communications to the substation.

About the project

The project will take approximately 17 months overall to complete. The first eight months involve digging a trench for conduit and cable installation. After this work is completed, it will take about six months to install new foundations and power poles. We'll also replace the old wires with new ones along the transmission poles.

The new substation is approximately four miles south of Marine Corps Base Camp Pendleton and six miles east of the Pacific Ocean. It's located within the Pacific Coast Business Park on land owned by SDG&E®.

Project schedule

Start date: February 2018

End date: July 2019

What to expect

Throughout the project, we'll work as safely and quickly as possible and make every effort to minimize disruptions such as construction traffic, dust and noise along adjacent streets. Although not anticipated, our work may require us to shut off the power for safety purposes. If so, we'll contact you in advance to help make sure you're prepared for a planned outage.

Contact information

For more information, please contact SDG&E's Regional Public Affairs Manager, Joe Mosca at jmosca@semprautilities.com or call our Customer Contact Center at **1-800-411-7343**.

