

Miguel to Bay Boulevard Transmission Line Project



Our commitment to providing clean, safe and reliable energy means making enhancements to our system which includes adding new transmission lines to accommodate growth.

**around
45%**

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

The Miguel to Bay Boulevard 230-kV Transmission Line Project (TL23020) will add a second transmission line to existing structures that connect SDG&E's Miguel Substation to the Bay Boulevard Substation in south San Diego County.

The new transmission line will be 10 miles in length, starting at the Miguel Substation on San Miguel Road in Bonita to the Bay Boulevard Substation in Chula Vista. This project will enhance reliability and give us greater operational flexibility with the integration of renewable energy into our electric system.

Project benefits

- Enhanced safety and reliability of the local transmission electric system.
- Additional capacity to serve electricity needs of customers now and in the future.
- Improved system performance during extreme weather conditions.

Main project components

- **New 230-kV transmission line.** This project adds a second overhead transmission line between the Miguel and Bay Boulevard Substations. The line will be placed within SDG&E's right-of-way on existing double circuit structures that currently support a 230-kV line. Associated



electrical infrastructure such as cross arms and insulators will be placed on the structures.

- **Conversion of existing transmission line to underground.** This reliability project will convert an existing span of 230-kV transmission line into Bay Boulevard Substation from overhead to underground. A steel cable pole will replace an existing pole and one underground vault will be installed to enable this conversion.
- **Substation equipment for connection.** Additional electrical equipment, including circuit breakers, switches and voltage transformers will be added to the Bay Boulevard and Miguel Substations to accommodate the new transmission line.

About the project

The project will take approximately eight months to complete. Activities will include the installation of new cross arms, insulators, conductor and associated equipment

on approximately 55 existing overhead structures over the span of roughly 10 miles. Construction will also involve placing about 700 feet of an existing overhead line underground outside the Bay Boulevard Substation. No new easements are required for this project.

During the installation of the new conductor, approximately 20 temporary stringing sites will be used as well as nine temporary guard structures where the new line will cross freeways. This work will be coordinated with Caltrans. Construction at the Bay Boulevard Substation will include the installation of additional equipment to connect the new transmission line to SDG&E's electric transmission system.

Project schedule

Start date: February 2019

End date: September 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 neighboring streets.

Helicopters will be used for construction and support activities. The use of helicopters may temporarily increase local noise levels, dust, and other disturbances but we'll work to minimize the impact as much as possible.

Contact information

For more information, please contact SDG&E's Regional Public Affairs Manager, Todd Voorhees at tvoorhees@semprautilities.com or call us toll-free at **1-844-765-6388**.

