energynotes

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connected ····· to reliable service

Sunrise Powerlink helps meet summer demand for electricity

Your electric service will be more reliable this summer and in the years to come, now that we've completed construction of the Sunrise Powerlink, a 117-mile, 500,000-volt transmission line between San Diego and the Imperial Valley.

Like a superhighway for electricity, this nearly $1.9-billion project:

- Provides access to new sources of imported power.
- Will help bring more solar and wind power to the region, supporting California's goal of 33% renewable energy by 2020.
- Is initially capable of carrying up to 800 megawatts of electricity, enough to serve 520,000 homes.
- Will eventually bring 1,000 megawatts, enough to serve 650,000 homes.

SDG&E® and the California Independent System Operator (ISO), which manages most of the statewide grid, view the Sunrise Powerlink as vital to helping maintain electric system reliability, especially during heat waves. SDG&E completed the project on June 17, 2012, after a five-year-long environmental review and permitting process. Construction took about 18 months, and is just in time to help meet demand this summer.

Visit *sdge.com/sunrisepowerlink* for more information about the Sunrise Powerlink, including photos and a video. ■

Clean, reliable energy from solar, wind and other renewable energy projects will account for a growing amount of the electricity delivered to you, with help from the Sunrise Powerlink transmission line.

Sunrise by the numbers

Sunrise Powerlink construction stats include:

- **13,200 tons** of steel in 438 transmission structures.
- **1,135 miles** of overhead high-voltage wire, enough to go from San Diego to San Antonio.
- **438 tower foundations** with enough concrete to cover a football field, 12 feet deep.

New energy-management tool can help you save

Try the new energy-management tool in My Account and find new ways to save money. To get started, log in at *sdge.com/myaccount*, click the "My Energy" tab and look for "How Does My Home Use Energy?" ■

Make moving easier

If you're changing addresses, contact SDG&E first at **1-800-411-7343** or *sdge.com/move* to start or transfer your gas and electric service. Once that's done, we'll connect you with Allconnect℠ so you can compare and set up other home services such as TV, Internet and phone. This service is fast, easy and free. ■

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Talk about the weather: Meteorologists forecast fire risk

Everyone talks about the weather. Meteorologists put the science of weather into action. At SDG&E, two meteorologists use the latest high-tech tools to monitor and analyze potentially hazardous weather conditions that can affect your electric service. Their work is an important part of SDG&E's **Community Fire Safety Program** for preventing or limiting power outages in case of wildfires and keeping the public safe.

Supports electric grid operations

"We provide detailed weather forecasts for the many microclimates across our service area. This information helps our electric system operators deliver a reliable product safely," explained Brian DAgostino.

He and Steven Vanderburg spend most of their time in SDG&E's central weather facility, tracking atmospheric conditions, wind speeds, humidity and temperatures throughout our 4,100-square-mile service area.

Network one of the best in U.S.

"SDG&E owns and operates one of the largest and most sophisticated weather networks in the United States," noted Vanderburg. It features 135 fixed weather stations, eight portable weather stations and six back-country weather cameras that stream live video back to the central control center. It reports weather data every 10 minutes, producing 130,000 data points daily.

SDG&E senior meteorologists Brian DAgostino, left, and Steven Vanderburg analyze data that comes from a network of 135 weather stations such as this one.

"We also work closely with the National Weather Service, several fire agencies and local universities to better understand fire weather behavior in Southern California," said DAgostino. ■

SDGE connected

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