Project Simulation

Existing view of 115 kilovolt transmission line facing west from Primm Valley Casino Resorts in Primm, Nevada.

Simulation of proposed 220 kilovolt lattice steel structure transmission line facing west from Primm Valley Casino Resorts in Primm, Nevada.

For More Information
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SUMMER 2012
PROJECT UPDATE

SOUTHERN CALIFORNIA EDISON®
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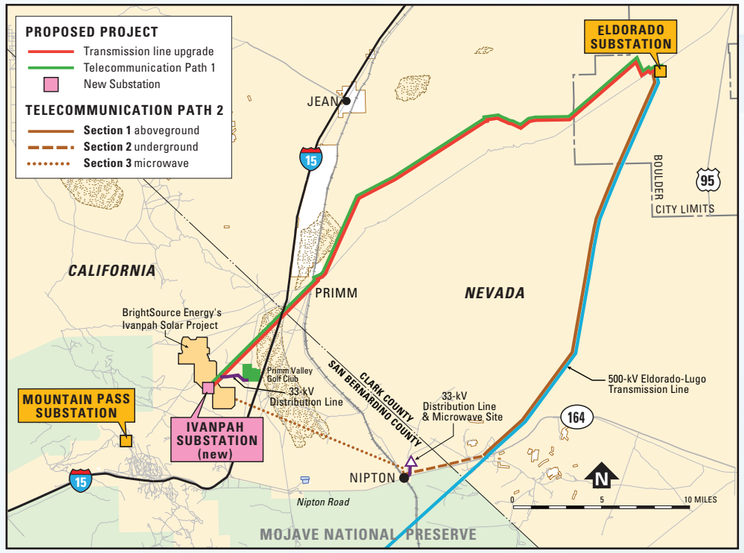
Eldorado-Ivanpah Transmission Project

Accessing Solar Energy Resources

Construction Underway on Transmission Project to Bring Solar Energy to the Grid

Southern California Edison (SCE) is committed to delivering electricity from renewable energy resources, helping to make the power grid greener for both California and Nevada. To help meet those important goals, SCE is building the Eldorado-Ivanpah Transmission Project. The project will provide the electrical facilities and additional transmission capacity needed to interconnect and deliver up to 1,400 megawatts of new renewable generation (primarily solar) near the southern California-Nevada border, including BrightSource Energy's Ivanpah Solar Project (nearly 400 megawatts of new solar generation).

Construction on the project is currently underway. SCE plans to build the project in three construction stages. The first stage will be to provide start-up power to the Ivanpah Solar Project. The second stage will be to construct portions of the project such as the new Ivanpah Substation to enable a portion of the Ivanpah Solar Project to generate power. The third stage will be to complete the remainder of the project such as the transmission line to interconnect and enable generation from the entire Ivanpah Solar Project. The project is planned to be completed and in-service by July 2013.



Anticipated Construction Timeline

March 2012 Start of telecommunication construction.

July 2012 Construction of Ivanpah Substation expected to begin.

August 2012 Removal of existing 115 kV transmission line and construction of 220 kV transmission line expected to begin.

July 2013 Project is planned to be completed and in-service.

Project Description

The project includes the following major components:

- Construction of a new 220/115 kilovolt (kV) Ivanpah Substation in San Bernardino County, California
- Replacement of a portion of an existing SCE 115 kV line with a 35-mile double-circuit 220 kV transmission line, connecting the new Ivanpah Substation to SCE's Eldorado Substation, near Boulder City, Nevada
- Upgrades at Eldorado Substation to support the connection of new transmission line
- Installation of fiber optic and microwave communication equipment to connect the project to SCE's existing telecommunications system
- Construction of a new distribution line to provide light and power to Ivanpah Substation and the microwave telecommunications site in Nipton

About Southern California Edison

An Edison International (NYSE:EIX) company, Southern California Edison is one of the nation's largest electric utilities, serving a population of more than 14 million via 4.9 million customer accounts in a 50,000-square-mile service area within Central, Coastal, and Southern California. SCE is committed to expanding and renewing essential distribution and transmission networks in our service territory, making the power grid greener and more reliable for our customers.

Protecting Environmental Resources

The project went through an extensive environmental review process by state and federal agencies, which identified environmental resources in the project area, evaluated potential environmental impacts, and proposed mitigation measures where appropriate. The agencies reviewed the project in accordance with the California Environmental Quality Act, the National Environmental Policy Act, and Nevada's Utility Environmental Protection Act.

SCE is working closely with federal, state and local partners to mitigate potential environmental impacts. SCE is implementing conservation and design features to avoid or minimize disturbance to sensitive biological resources and protect cultural resource sites. In addition, SCE uses on-site environmental monitors in sensitive areas and requires construction workers to undergo environmental training.