Project Simulation

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

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

For More Information
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Eldorado-Ivanpah Transmission Project
Accessing Solar Energy Resources
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.