

EL DORADO – IVANPAH TRANSMISSION LINE PROJECT

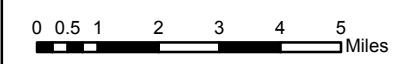
Southern California Edison Company (SCE) proposes to construct a new 220 kilovolt (kV)-115kV substation, and a new 220 kV transmission line (T/L). The substation would be called Ivanpah Substation and would include 220 kV and 115kV switchracks. It would be located in California near Primm, Nevada. The 220kV T/L would be approximately 35 miles long, and of double-circuit construction. It would be located between the existing El Dorado Substation in Nevada and the proposed new Ivanpah Substation in California. The Eldorado-Ivanpah portion of the existing El Dorado – Baker –Coolwater-Dunn Siding-Mountain Pass 115 kV T/L would be removed and replaced with the proposed 220 kV T/L. Removal of the existing T/L, construction of the new T/L, and construction of the new substation are hereafter referred to as the Project. The Project also includes: 1) replacement of an overhead ground wire (OHGW) with Optical Ground Wire (OPGW) on an approximately 30 mile section of the Eldorado – Lugo 500 kV line; 2) Installation of between 22 and 30 miles of All Dielectric Self Supporting (ADSS) and fiber optic cable between Nipton and Ivanpah Substation; 3) Construction of an approximately 1 mile section of the 33 kV Nipton distribution line; and 4) Changes inside the Eldorado substation to accommodate the new 220 kV lines.

DOCKET	
07-AFC-5	
DATE	<u>Nov 7 2008</u>
RECD.	<u>Nov 7 2008</u>

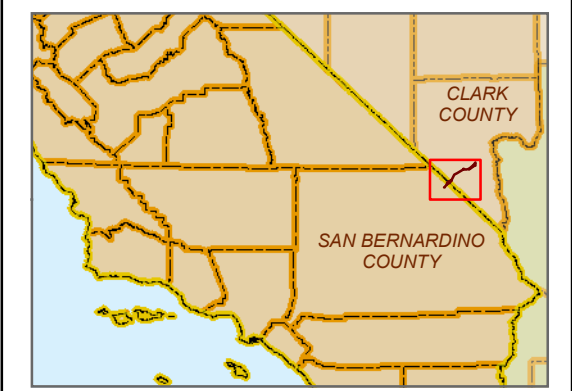
Eldorado Ivanpah Transmission Project
Figure 3-1

LEGEND

- Substations
- 230kV Transmission Route**
- Alternative A
- Alternative B
- Alternative C
- Alternative D
- Alternative E
- Proposed
- Mileposts - Transmission**
- Alternative A
- Alternative B
- Alternative C
- Alternative D
- Alternative E
- Proposed
- Telecom routes**
- Eldorado-Lugo 500kV
- Nipton 33kV
- New Line
- Railroad
- Primary Road
- Secondary Road
- Freeway
- Highway



1:200,000

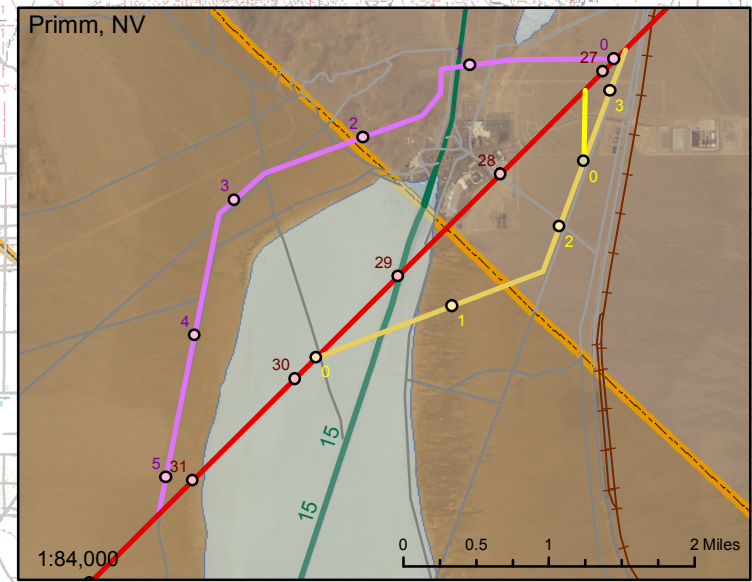


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SCE Corp Env Health & Safety
Eldorado Ivanpah Transmission Project
Projection: NAD 83 UTM Zone 11

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Path #2
Section 3
Alt 1

Mt. Pass

Ivanpah

Path #2
Section 3
Alt 2

Path #2
Section 2
Alt 2

Path #2
Section 1

Path #2
Section 2
Alt 1

Eldorado

Hwy 95

Hwy 164

Nipton Road

I-15

I-15

