



A  Sempra Energy utility

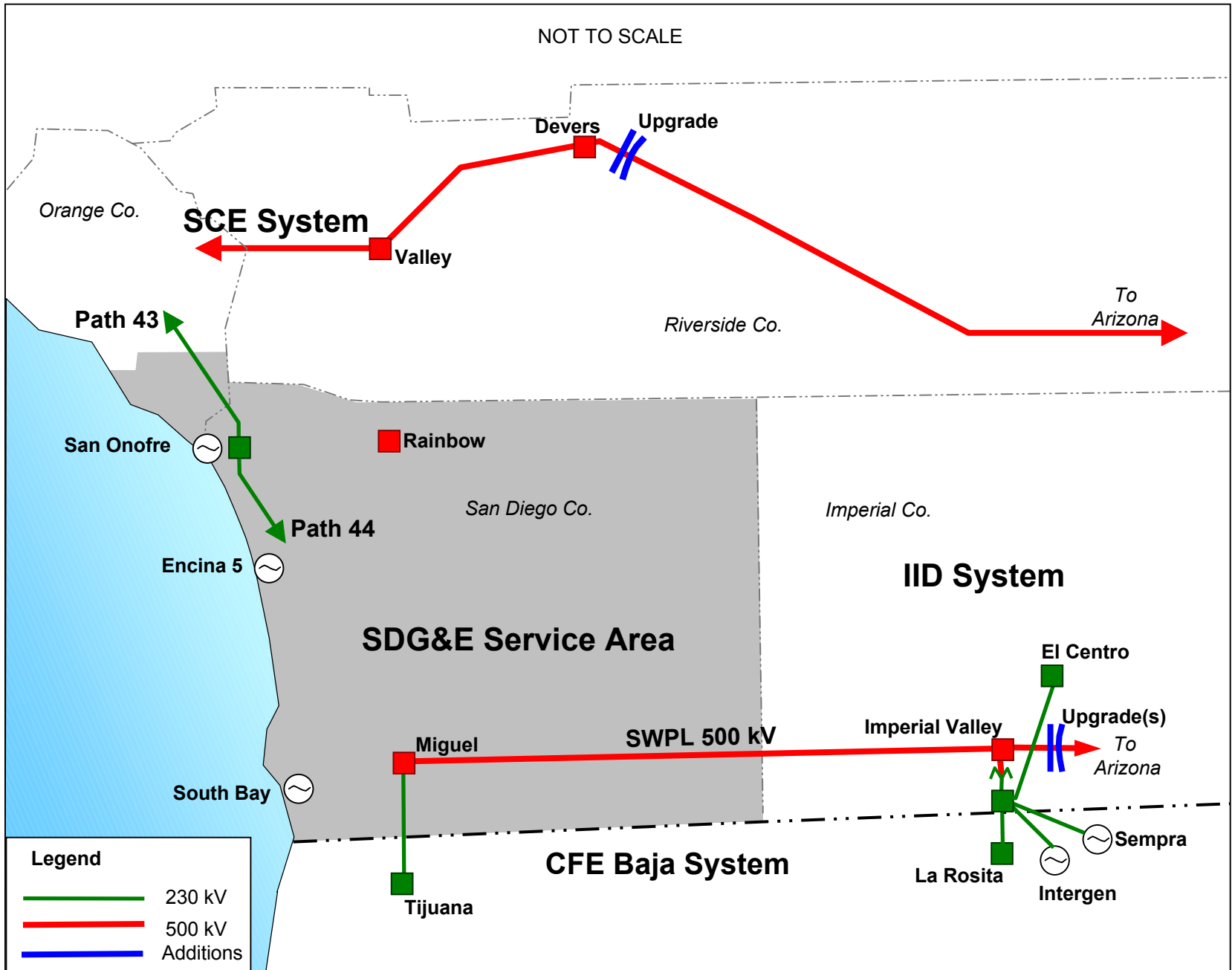
SDG&E AREA TRANSMISSION EXPANSION 2003-2005

**David Korinek
Transmission Planning Manager**

November 1, 2002

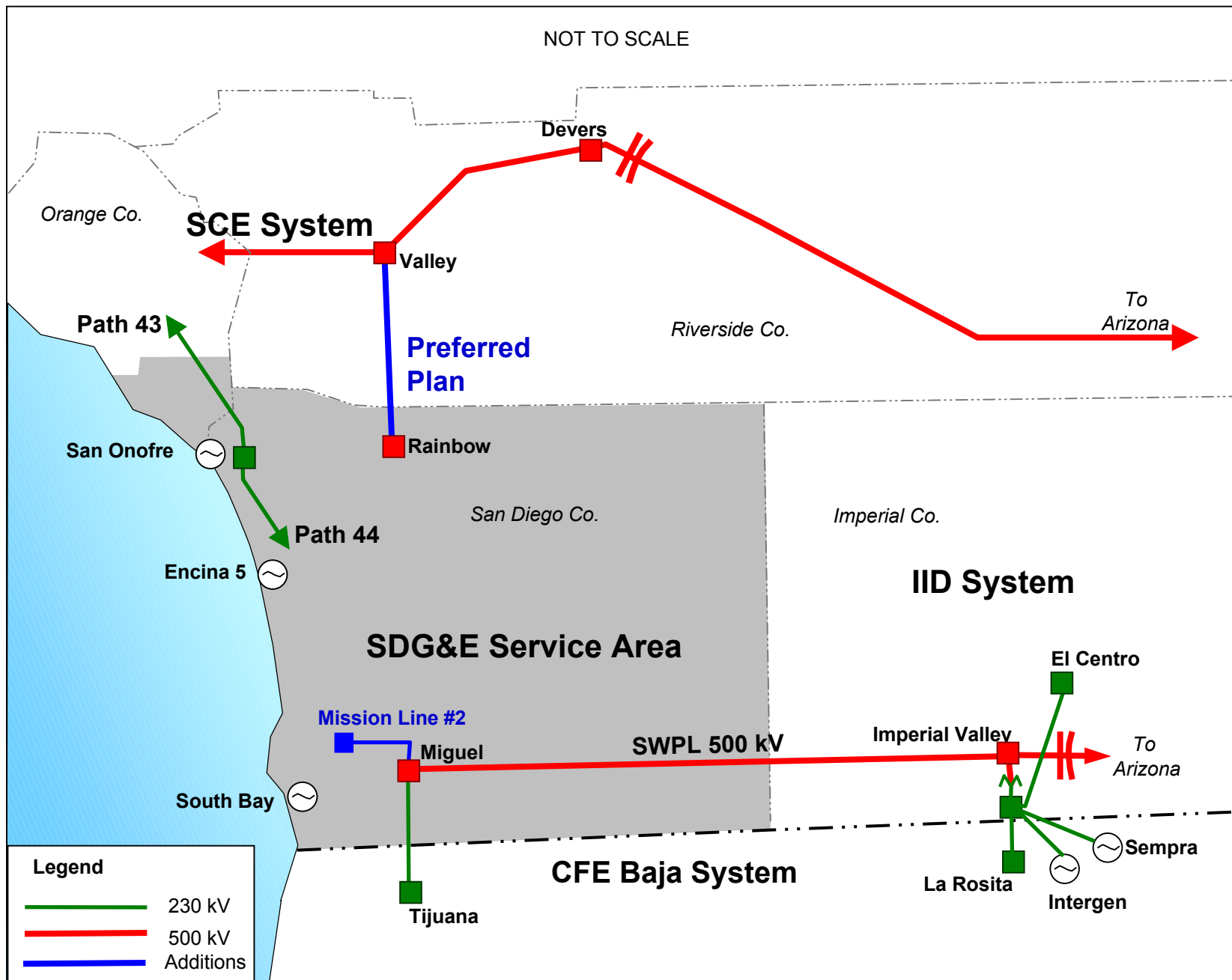
2004 ADDITIONS (EOR Upgrade above 7550MW)

NOT TO SCALE

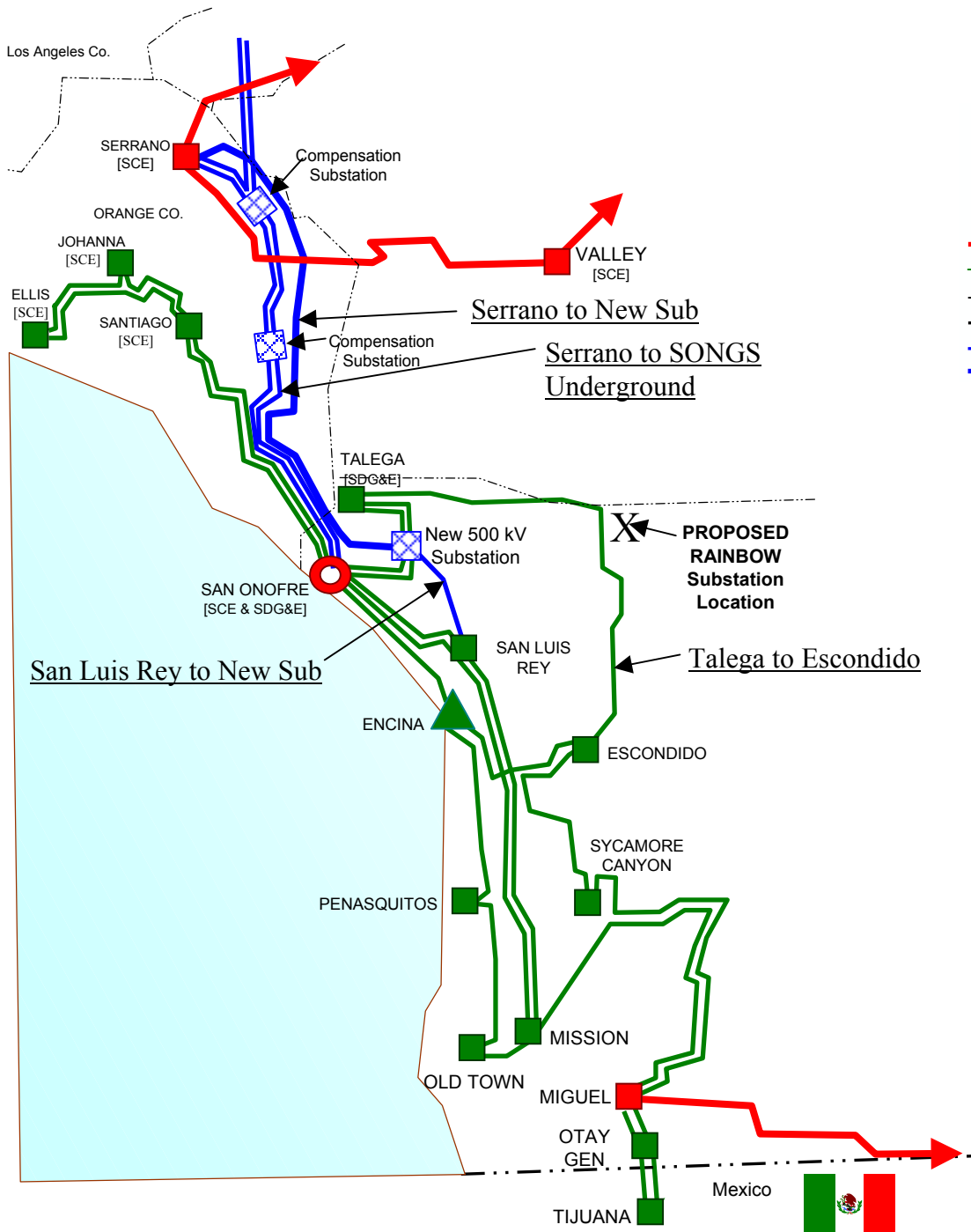













2005 ADDITIONS

NOT TO SCALE



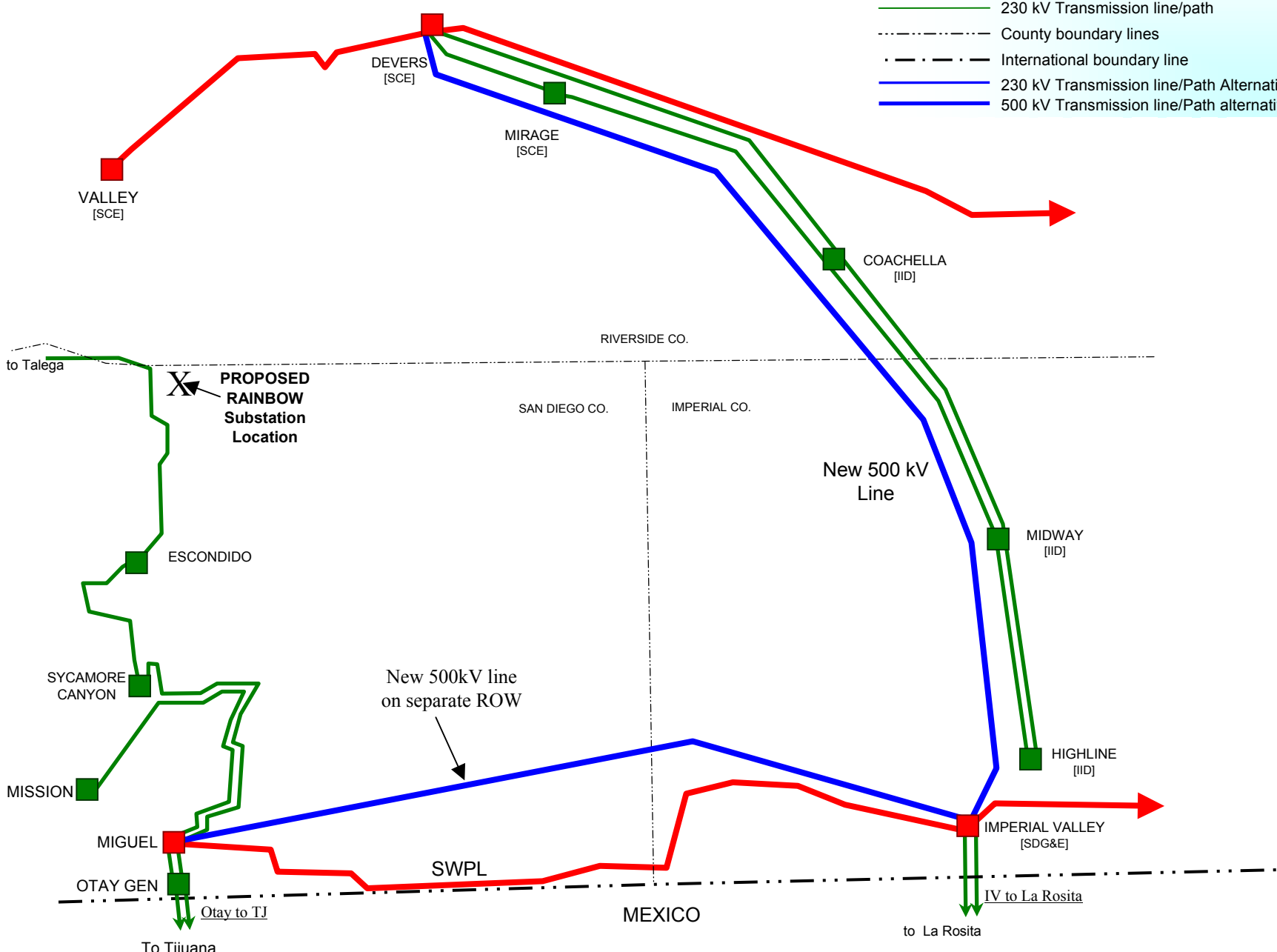
Valley-Rainbow Alternative: Serrano to SONGS 500 kV



-  Generation Plant
-  Nuclear Generating Station
-  500 kV Transmission Substation
-  230 kV Transmission Substation
-  New Transmission Substation Alternative
-  500 kV Transmission line/path
-  230 kV Transmission line/path
-  County Boundary Lines
-  International Boundary Line
-  230 kV Transmission line/Path Alternative
-  500 kV Transmission line/Path Alternative

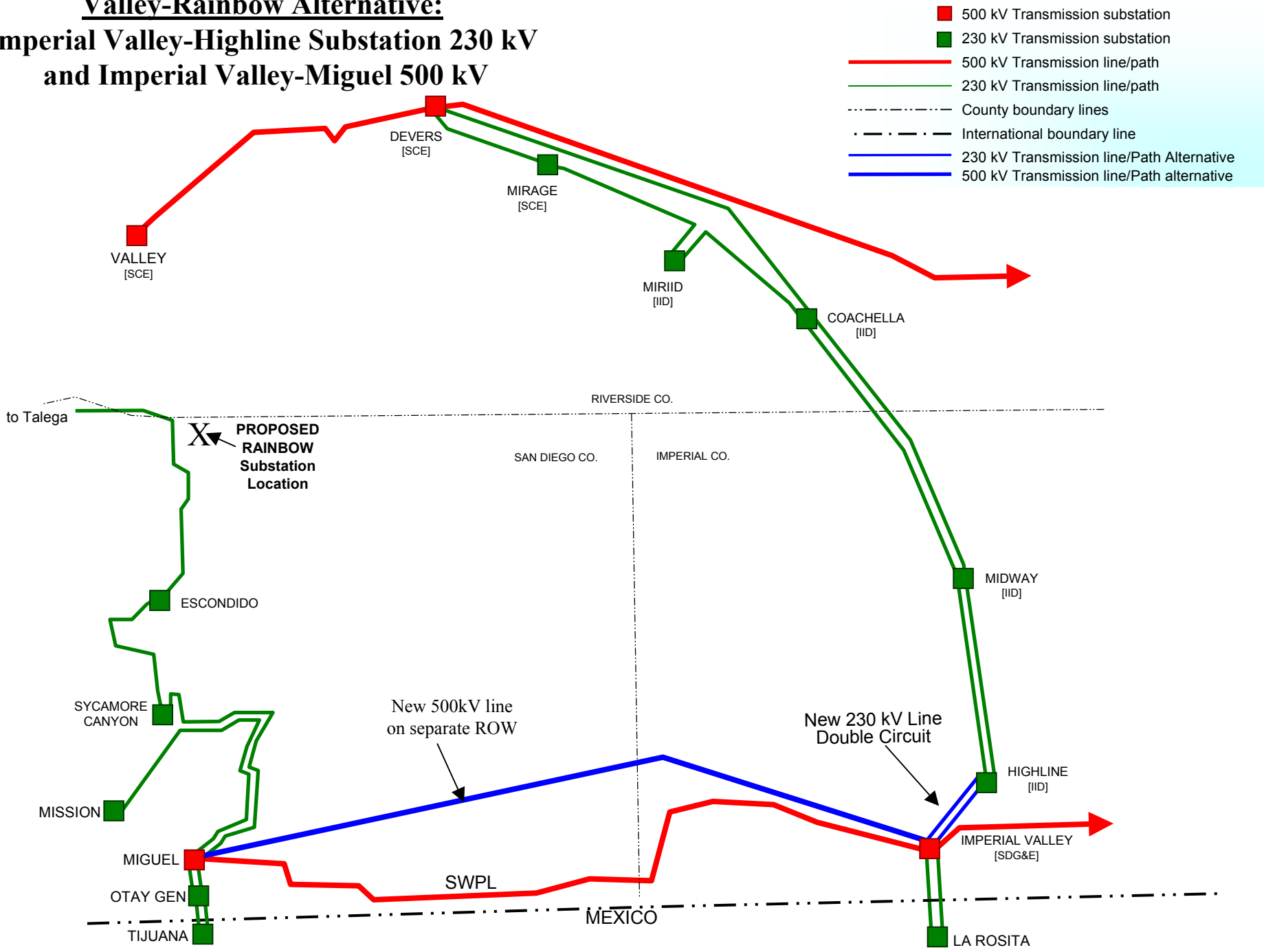
Valley-Rainbow Alternative: Imperial Valley to Miguel to Devers 500kV

- 500 kV Transmission substation
- 230 kV Transmission substation
- 500 kV Transmission line/path
- 230 kV Transmission line/path
- County boundary lines
- International boundary line
- 230 kV Transmission line/Path Alternative
- 500 kV Transmission line/Path alternative



Valley-Rainbow Alternative:

Imperial Valley-Highline Substation 230 kV and Imperial Valley-Miguel 500 kV



Valley-Rainbow Alternative:

Imperial Valley-Highline Substation and La Rosita-Tijuana 230kV

- 500 kV Transmission substation
- 230 kV Transmission substation
- 500 kV Transmission line/path
- 230 kV Transmission line/path
- County boundary lines
- International boundary line
- 230 kV Transmission line/Path Alternative
- 500 kV Transmission line/Path alternative

