

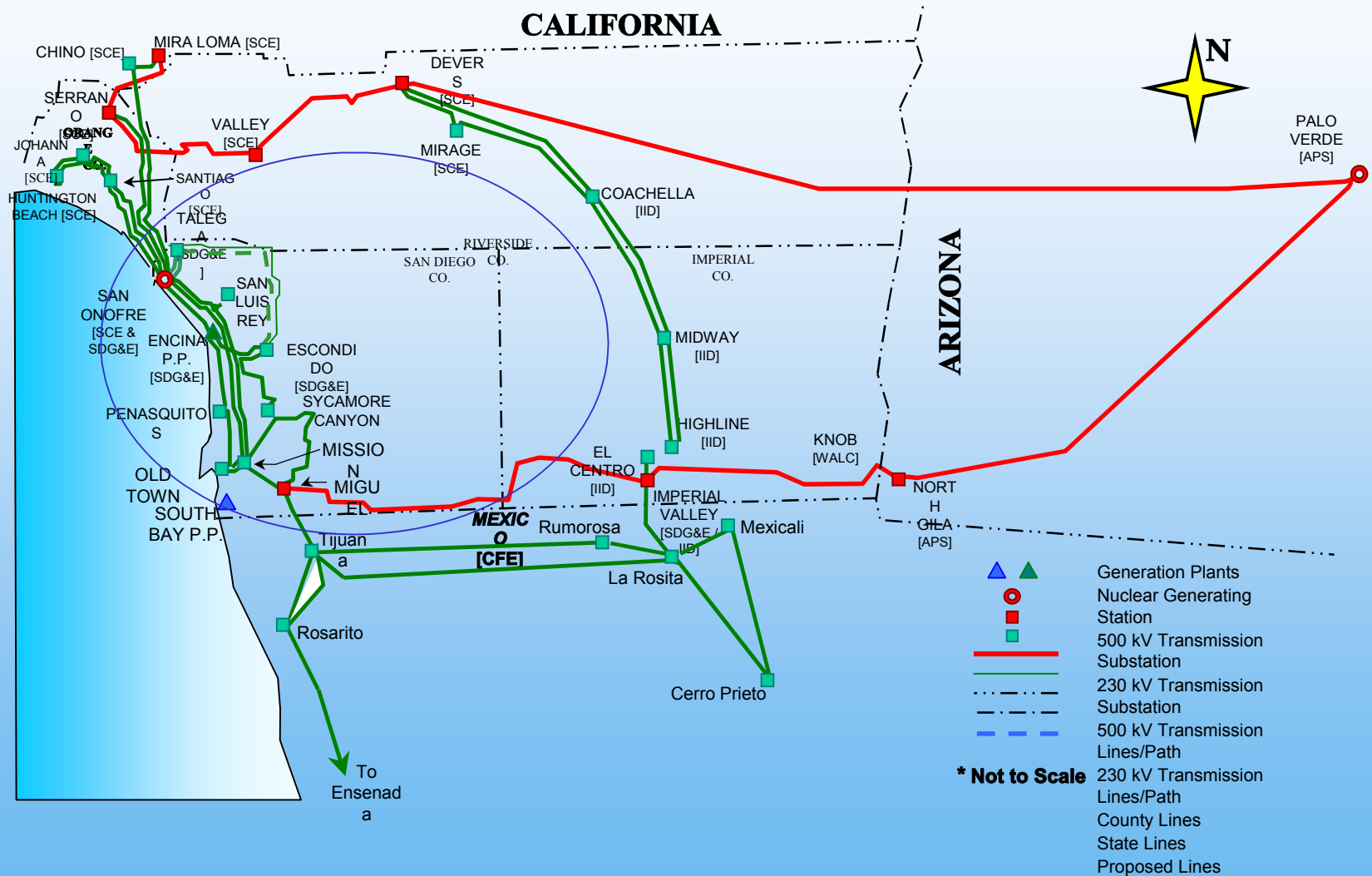
Year 2008 LCR Study

San Diego Area

Summary of Findings

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San Diego LCR Area



San Diego Area Boundary Transmission Lines

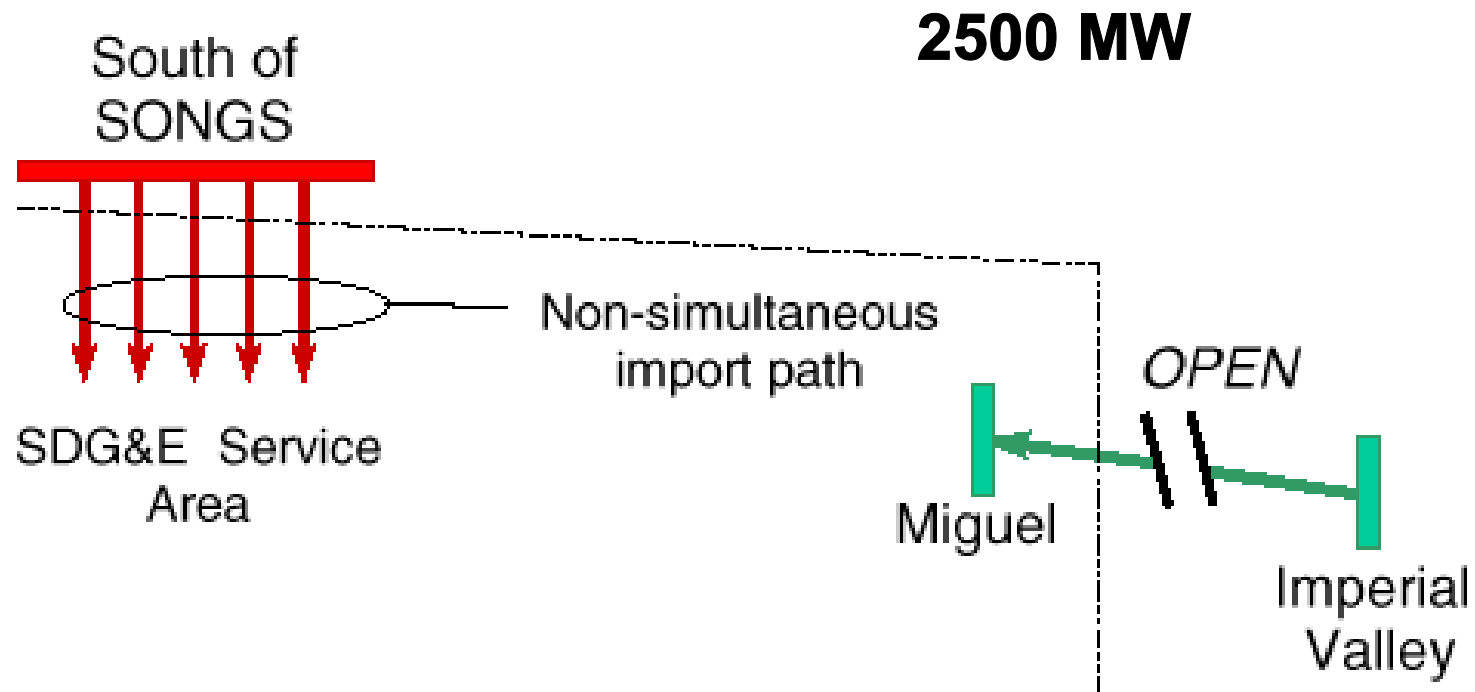
- 1) Imperial Valley – Miguel 500 kV Line
- 2) Miguel – Tijuana 230 kV Line
- 3) San Onofre - San Luis Rey #1 230 kV Line
- 4) San Onofre - San Luis Rey #2 230 kV Line
- 5) San Onofre - San Luis Rey #3 230 kV Line
- 6) San Onofre – Talega #1 230 kV Line
- 7) San Onofre – Talega #2 230 kV Line

San Diego Area Load and Resources (MW)

Load	
Year 2007 Load	4799
Transmission Losses	117
Total 1 in 10 Load	4916
Generation	
Market Generation	2758
Muni Generation	0
QF Generation	201
Total Qualifying Capacity	2959
SDG&E Non-simultaneous Import capability with a segment of SWPL Out	2500

SDG&E Non-simultaneous Import Capability

Non-Simultaneous



SDG&E LCR Critical Contingency

- The overall LCR in the San Diego area is determined by the outages of the Imperial Valley-Miguel 500 kV line (SWPL) overlap with the Palomar generation (541 MW) while staying within the South of San Onofre (WECC Path 44) non-simultaneous import capability rating of 2500 MW.
- Therefore, the overall SDG&E LCR is predicated on having sufficient generation in the San Diego Area to reduce Path 44 to its non-simultaneous rating of 2500 MW within 30 minutes.
- San Diego LCR Need is 2957 MW (includes 193 MW of QF and 8 MW of Wind generation).

San Diego Area LCR Need

	QF (MW)	Wind (MW)	Market (MW)	Max. Qualifying Capacity (MW)
Available generation	193	8	2758	2959

	Existing Generation Capacity Needed (MW)	Deficiency (MW)	Total MW Requirement
Category B (Single)	2957	0	2957
Category C (Multiple)	2957	0	2957

The only change from 2007 to 2008 LCR is the load growth in the area.