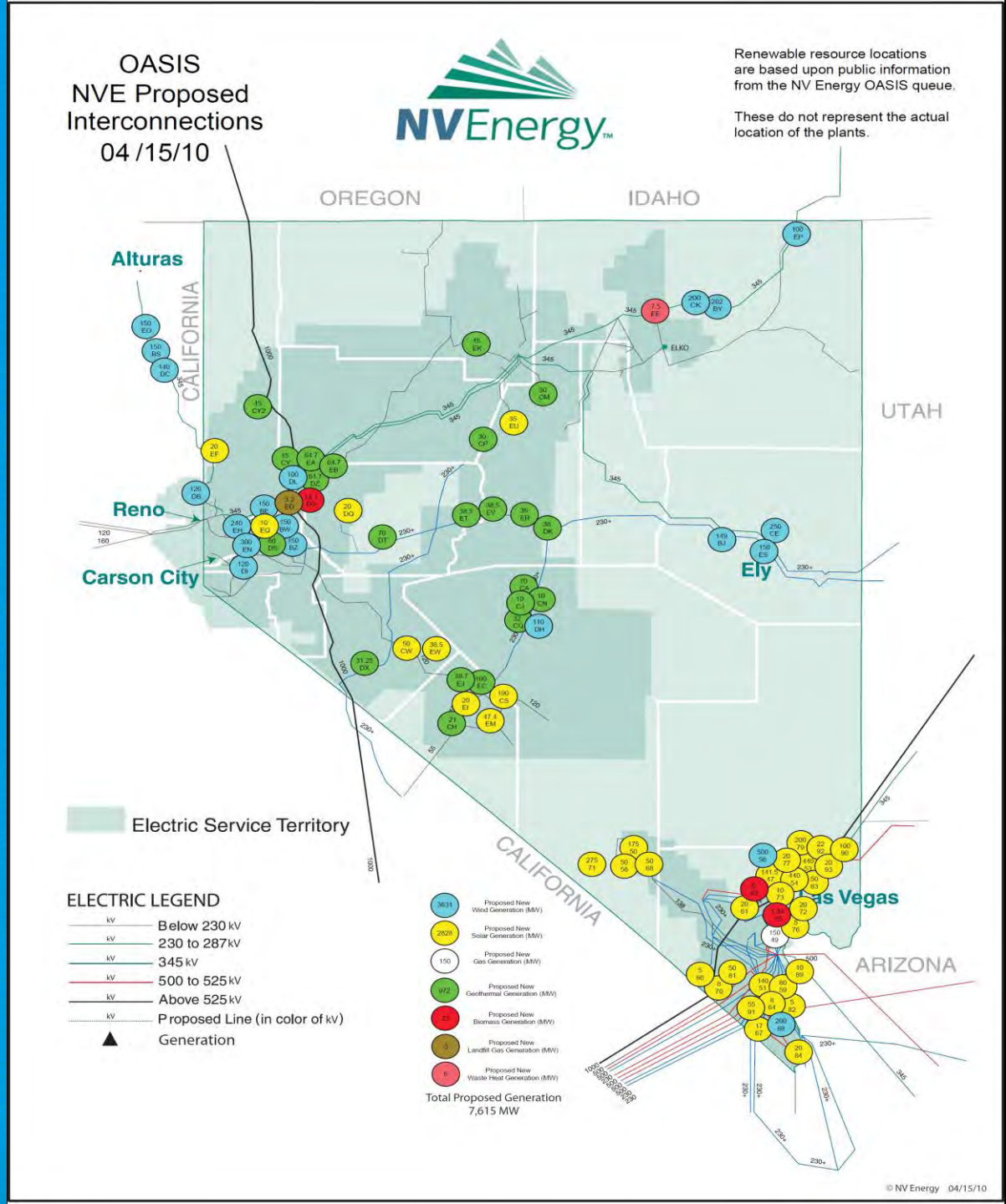

SSPG Update
8-18-2010


2010 Study Results

General locations of proposed generation interconnections.

Wind	3,631
Solar	2,828
Gas	150
Geothermal	972
Biomass	23
Land Fill Gas	3
Waste Heat	8
Total (mw)	7,615



2030 System Overview

New Renewable Generation
5,000 MW

New Base Transmission (miles)

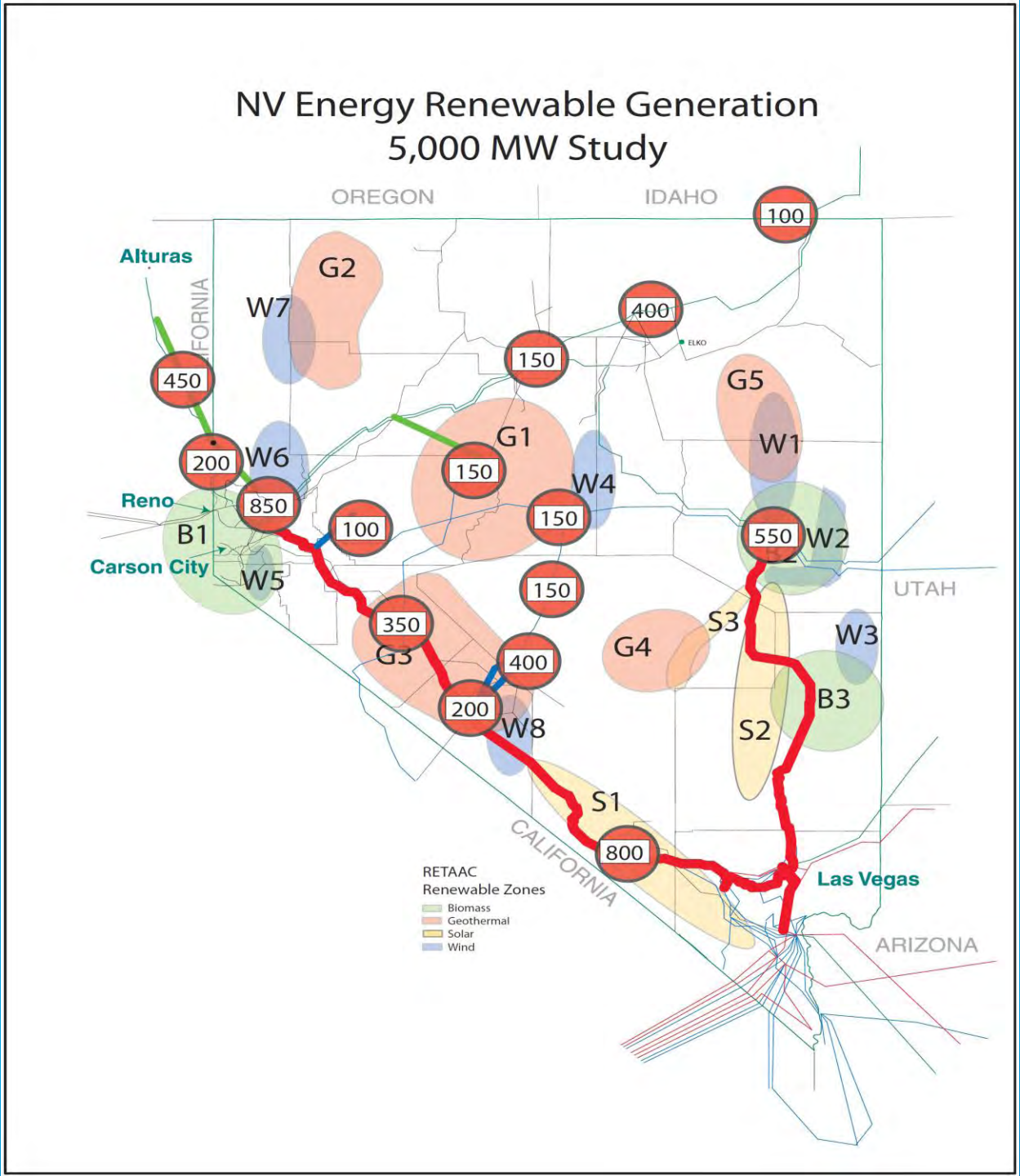
500 kV	611
345 KV	148
230 kV	127
120 kV	11

Strong West Tie Option (miles)

500 kV	259

Tesla Tie Option (miles)

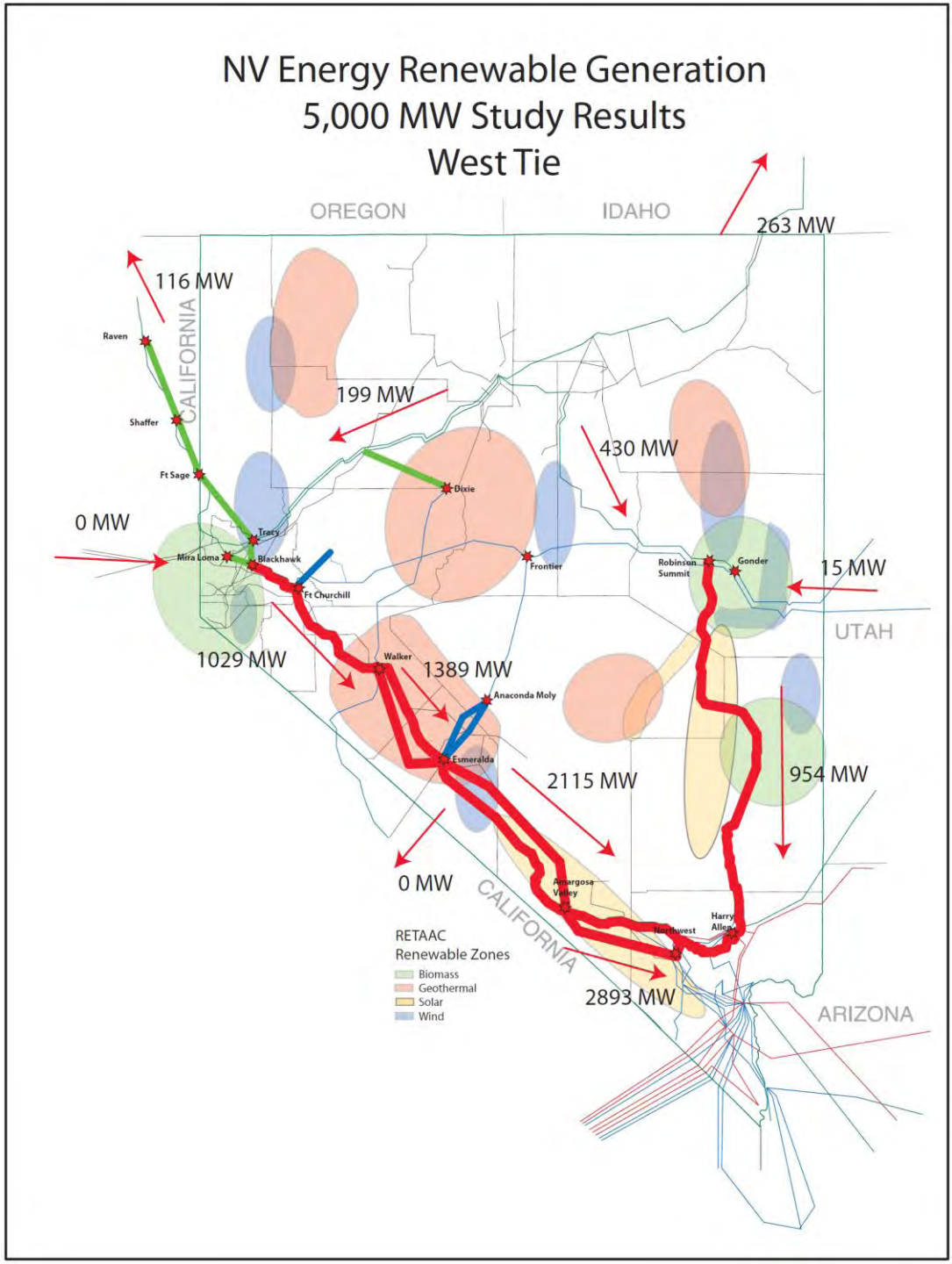
500 kV	330



Strong West Tie Option

Generation reductions in southern Nevada and northern California

Added second 500 kV line from Walker to Northwest to handle N-1 outages.

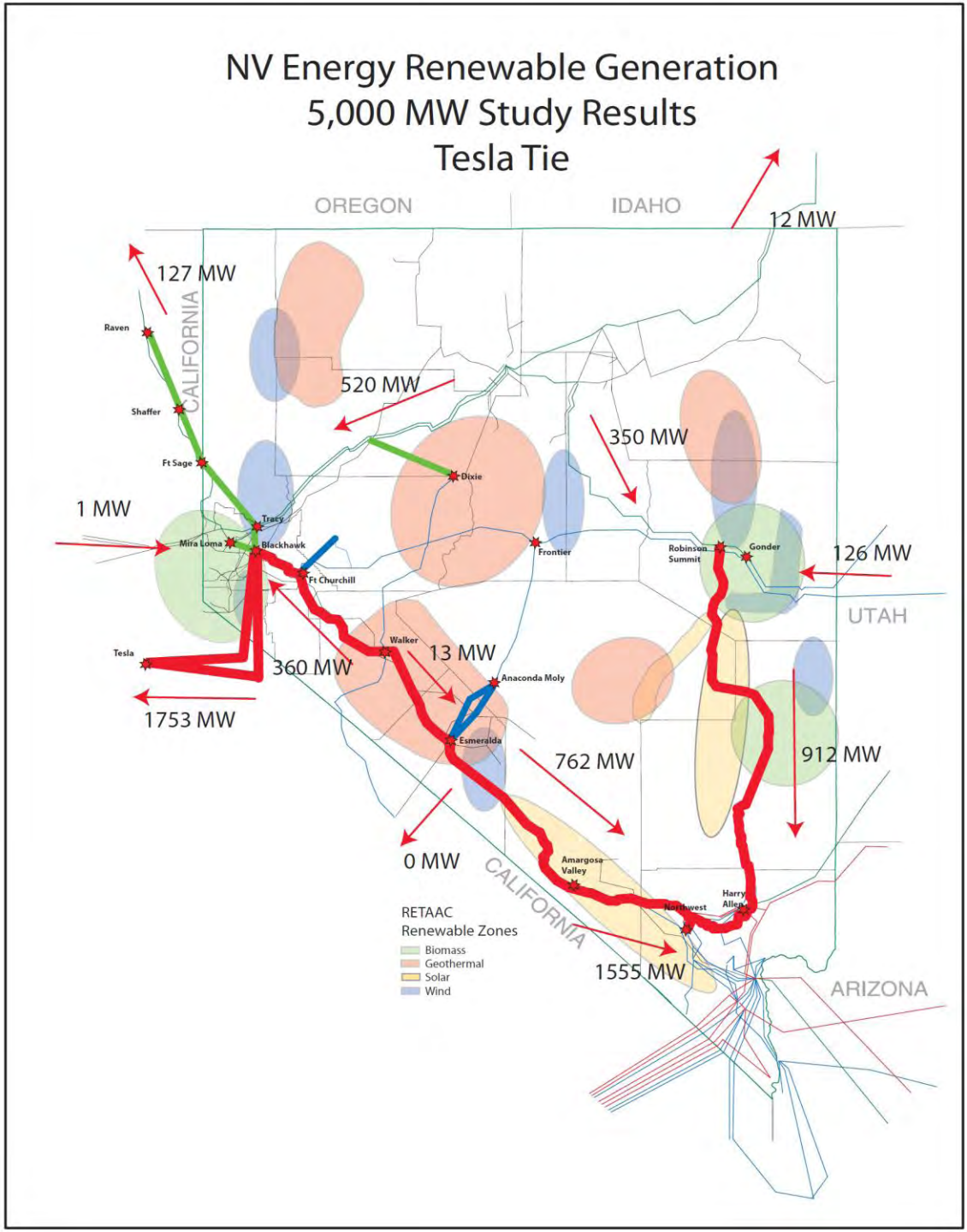


Tesla Tie Option

Generation reductions in southern Nevada and northern California

Added second 500 kV line from Blackhawk to Tesla to handle N-1 outages.

Noted higher line flow from Valmy to Tracy on the 345 kV lines.



SSPG 2010 Study Conclusions

- Double Circuit 500 kV lines from Tesla to Eldorado (581 miles) provides the greatest flexibility to move energy south or west from northern Nevada.

- Transmission losses increased from about 3% to about 6%