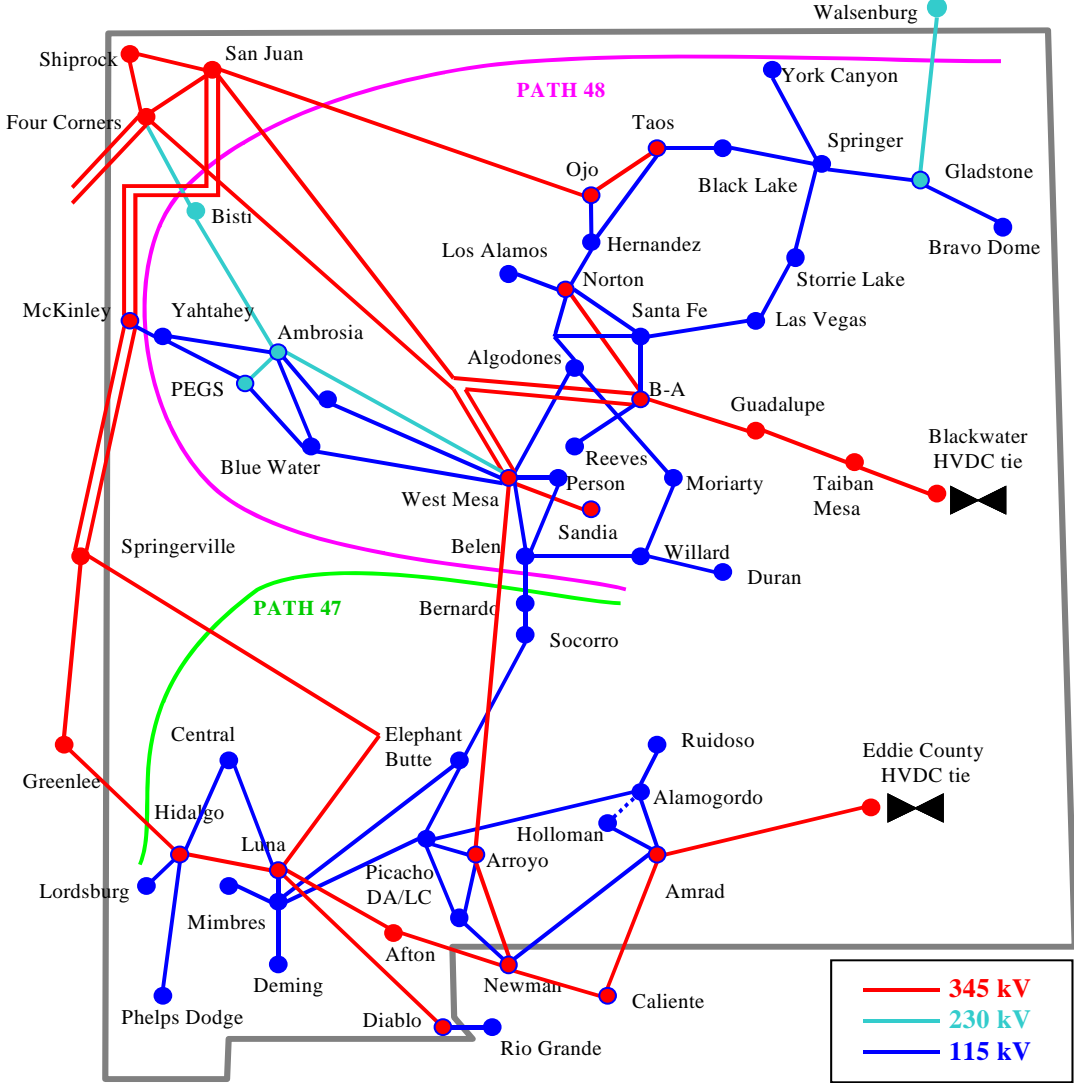

New Mexico SWAT Subgroup

October 18, 2006

Las Vegas, NV

David Eubank, P.E. - PNM

New Mexico Transmission System

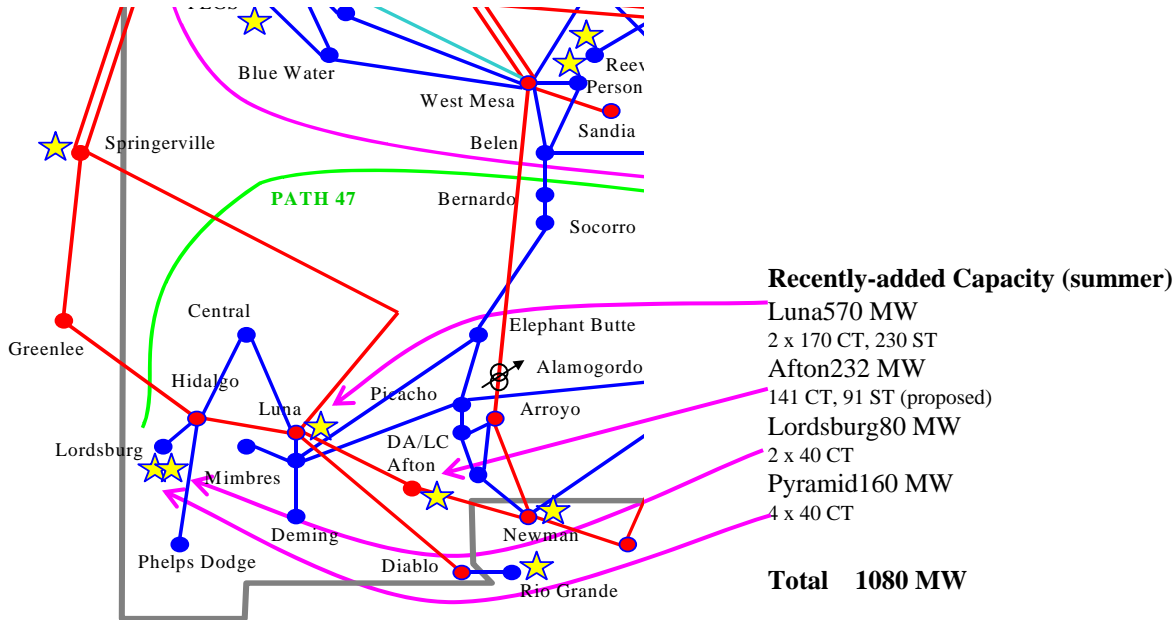


New Mexico Transmission System

Subgroup Areas of Focus

- ❑ Generator Interconnection
 - Wind Integration in Eastern NM
 - Renewables – 300 solar, 500 wind
- ❑ Northern / Southern NM tie
 - ❑ New Gas Generation 1000MW
- ❑ Reliability
 - Northeast Area – CNMIP; Potential load additions
 - Alamogordo

WECC Path 47/48 Upgrade Alternative

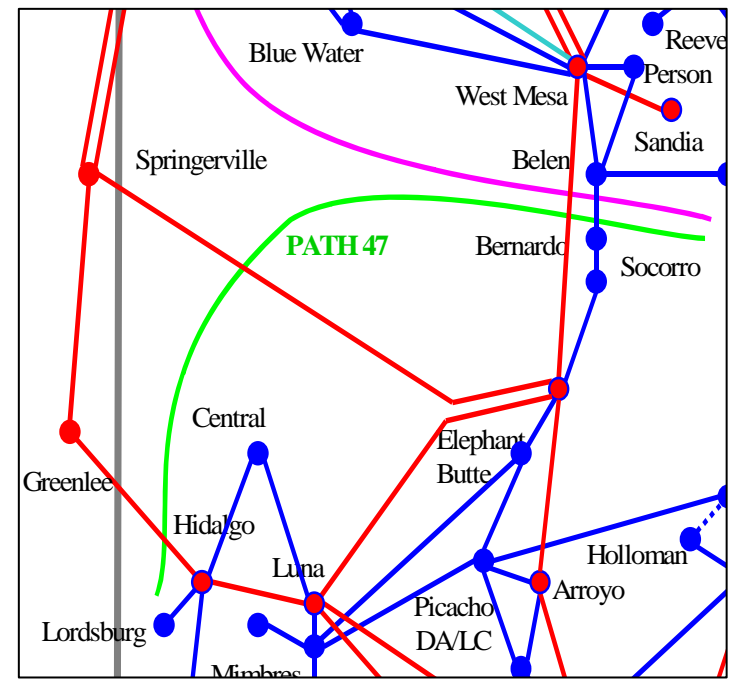
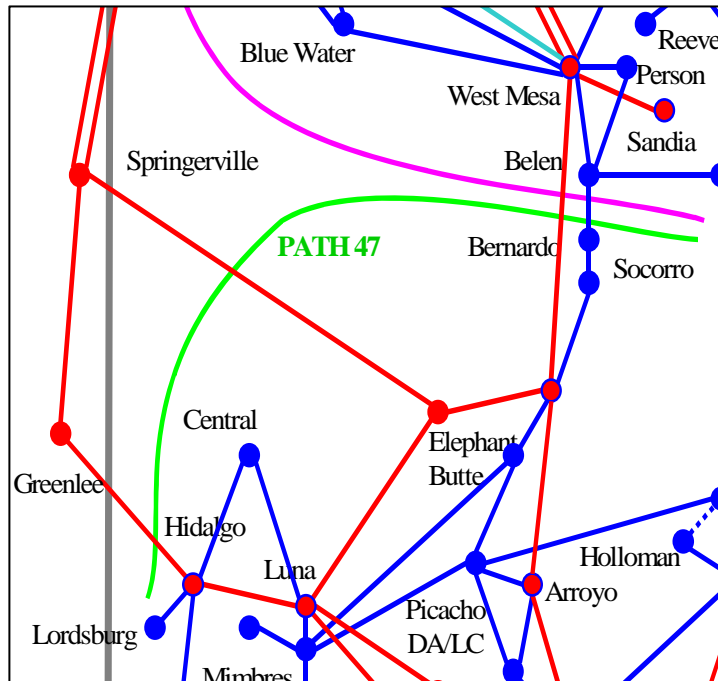


WECC 2011HS Case,
adjusted to reflect
2013 conditions

Monitor WECC Paths
47, 48, 22

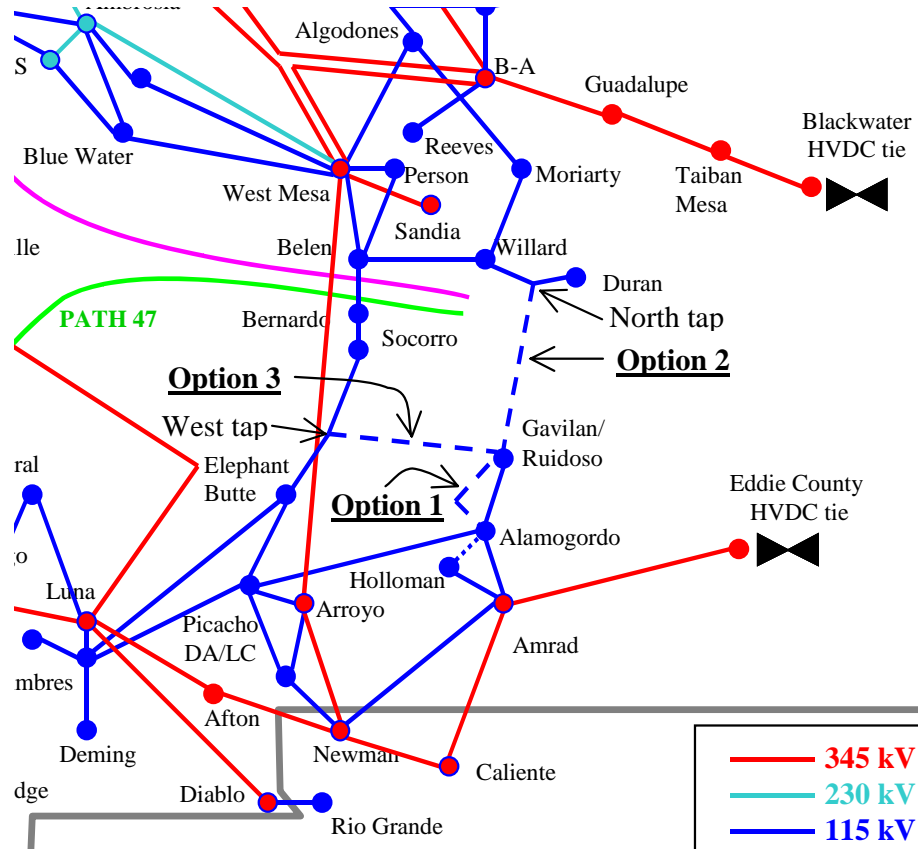
- Alternative 1: Bypass (permanently) Arroyo PST
- Alternative 2: Install PST with higher angular range

WECC Path 47/48 Upgrade Alternative, cont.



- Alternative 3: Tie Spr-Luna 345kV to West Mesa-Arroyo
- Alternative 4: Take Alt 3 and add PST on West Mesa line

Alamogordo Area



Ruidoso Second Source
Three options