

Southline Transmission Project  
*7<sup>th</sup> Annual ACC BTA Workshop*

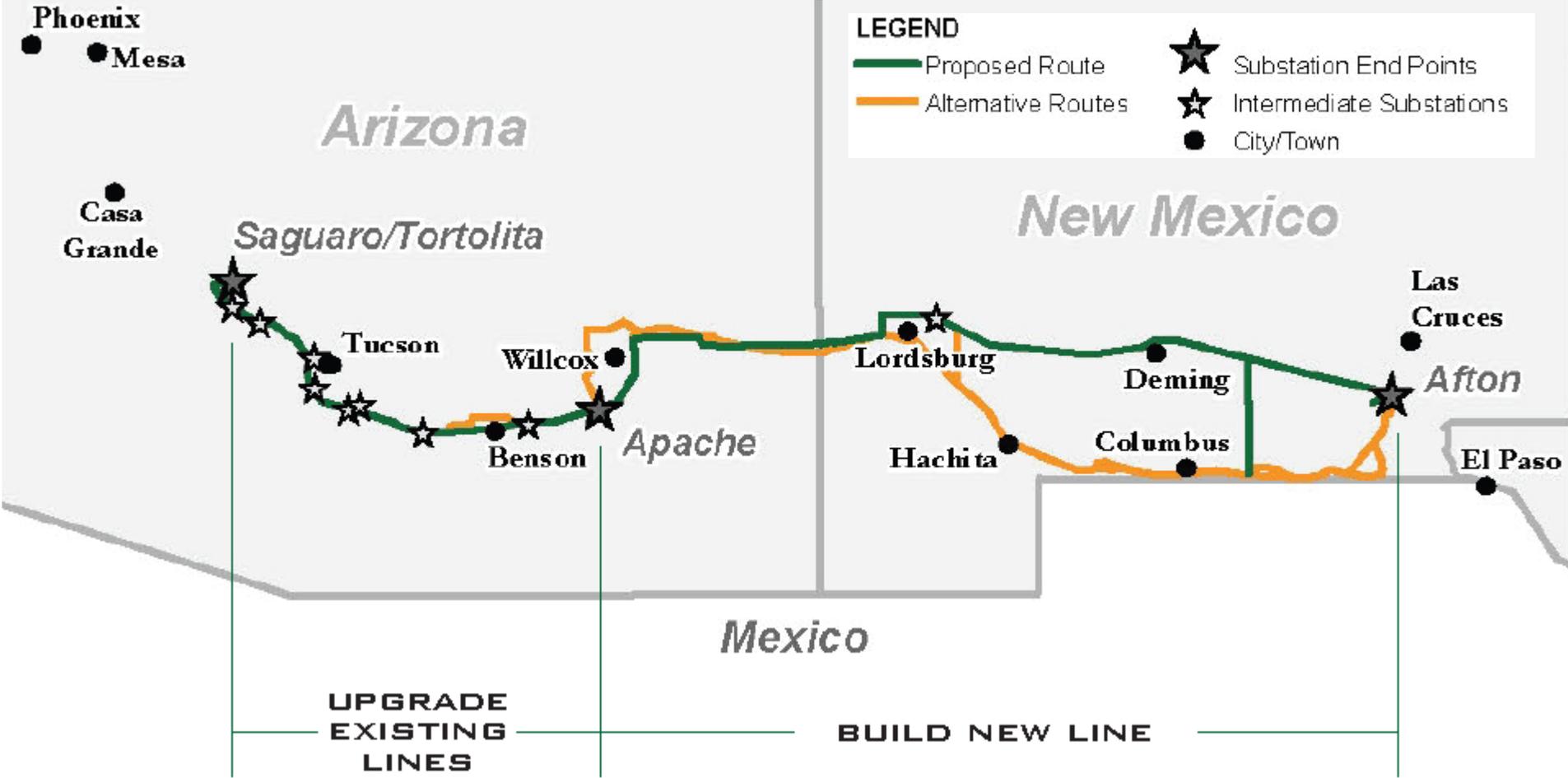
July 2012



## Project Overview

- Proposed transmission line in southern NM and AZ consisting of two segments:
  - New ~ 240-mile, 345-kV double-circuit between the existing Afton (NM) and Apache (AZ) substations
  - Upgrades to ~ 120 miles of existing lines between the existing Apache (AZ) and Saguaro (AZ) substations
- Interconnection with 10+ existing substations along the Project route
  - May include interconnection with one new substation in New Mexico
- Project design based on regional transmission planning activities since 2009

# Summary Map

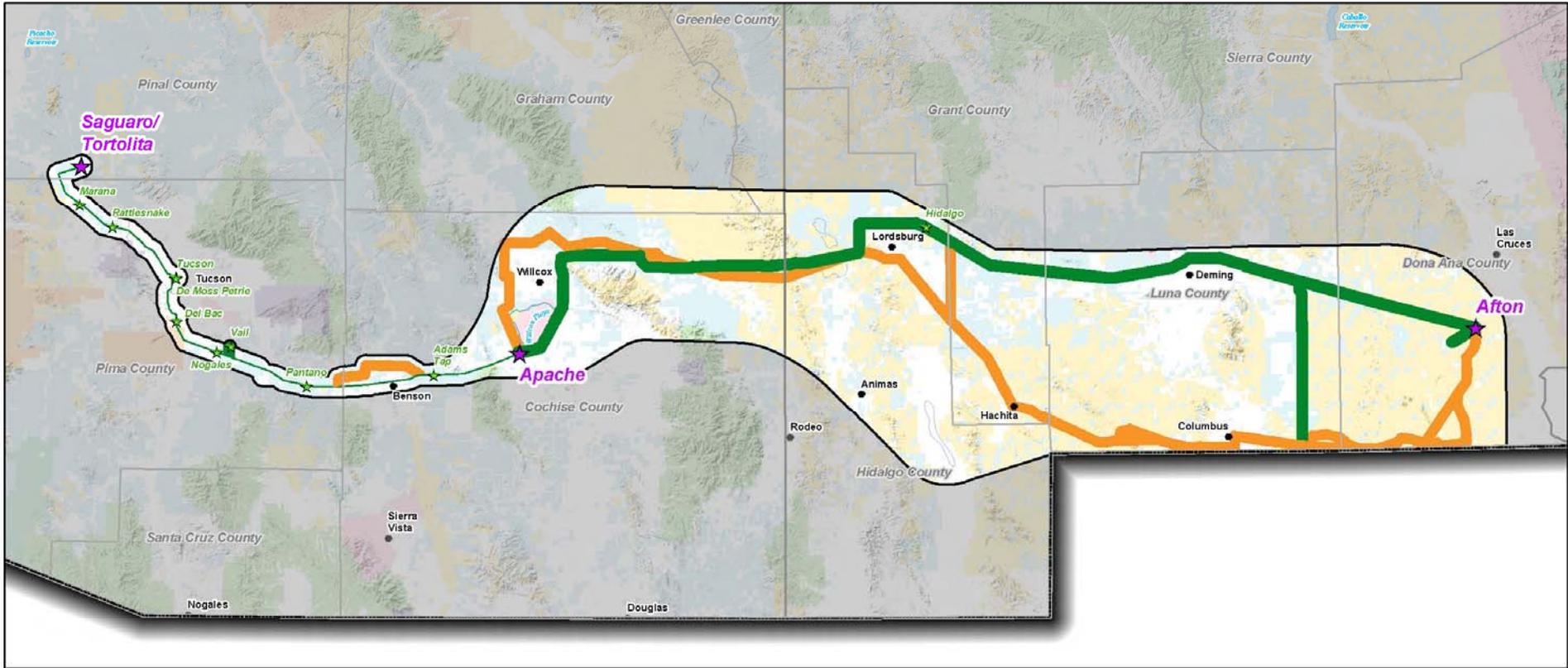


Connects to Multiple Existing  
Arizona Substations

## Siting and Planning Philosophy

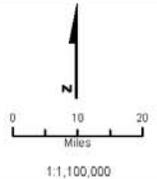
- Work within, or next to, existing corridors
- Avoid sensitive environmental/cultural areas
- Use existing federal, state and other land use information
- Work closely with interested stakeholders and land use managers to, where possible, avoid or minimize impacts to sensitive areas
- Consider sensitive resources during engineering design, construction and operations and maintenance

# Southline Transmission Project Proposed Routes for BLM/Western Review



- |  |   |  |
|--|---|--|
| <b>Project Features</b>  | <b>Reference Features</b>   | <b>Agency/Service</b>  |
| <ul style="list-style-type: none"> <li> Proposed Study Area</li> <li> Key Interconnection Substation</li> <li> Existing Substation for Potential Interconnection</li> <li> Proposed Route</li> <li> Alternative Route</li> </ul> | <ul style="list-style-type: none"> <li> City/Town</li> <li> Waterbody</li> <li> Seasonal Waterbody</li> <li> County Boundary</li> <li> State Boundary</li> <li> International Boundary</li> </ul> | <ul style="list-style-type: none"> <li> Bureau of Indian Affairs</li> <li> Bureau of Land Management</li> <li> Department of Defense</li> <li> US Forest Service</li> <li> US Fish and Wildlife Service</li> <li> National Park Service</li> <li> Private</li> <li> State</li> </ul> |

Note: Based on the ultimately selected route, the project may include development of a new substation within the study area in Luna, Grant, or Hidalgo County, New Mexico.



Study Corridor for New Transmission Lines = 2 miles  
Study Corridor for Upgrade Transmission Line = 500 feet

**Proposed and Alternative Routes**

## Update

### Permitting

- NEPA: BLM & Western Joint Lead Agencies for EIS
- Public Scoping Meetings
  - May 8-10 New Mexico (Las Cruces, Deming, Lordsburg), May 15-17 Arizona (Willcox, Benson, Tucson)

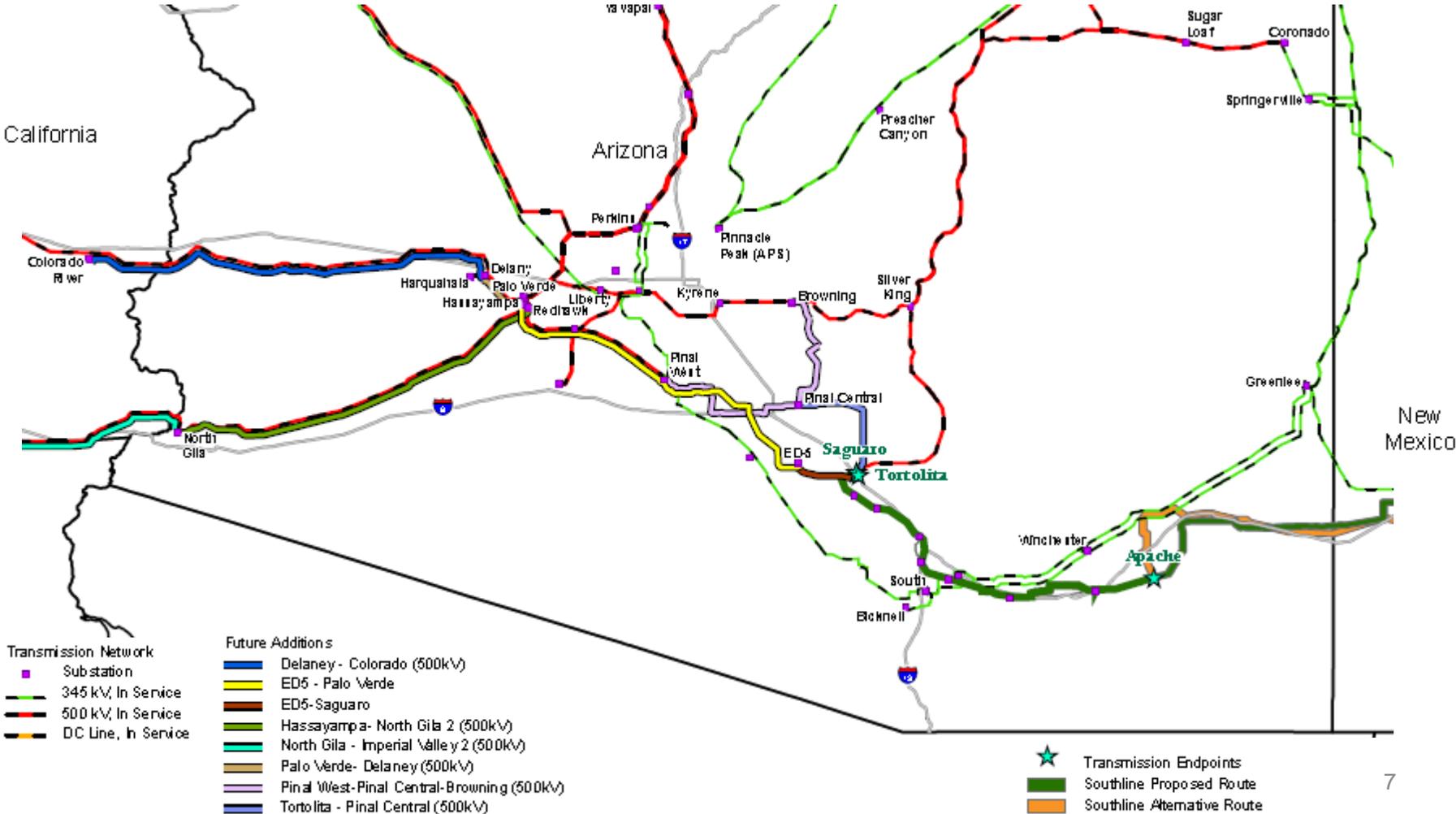
### Technical

- Phase 2 WECC Path Rating Process
- Extensive Regional Planning & Coordination with Arizona Utilities

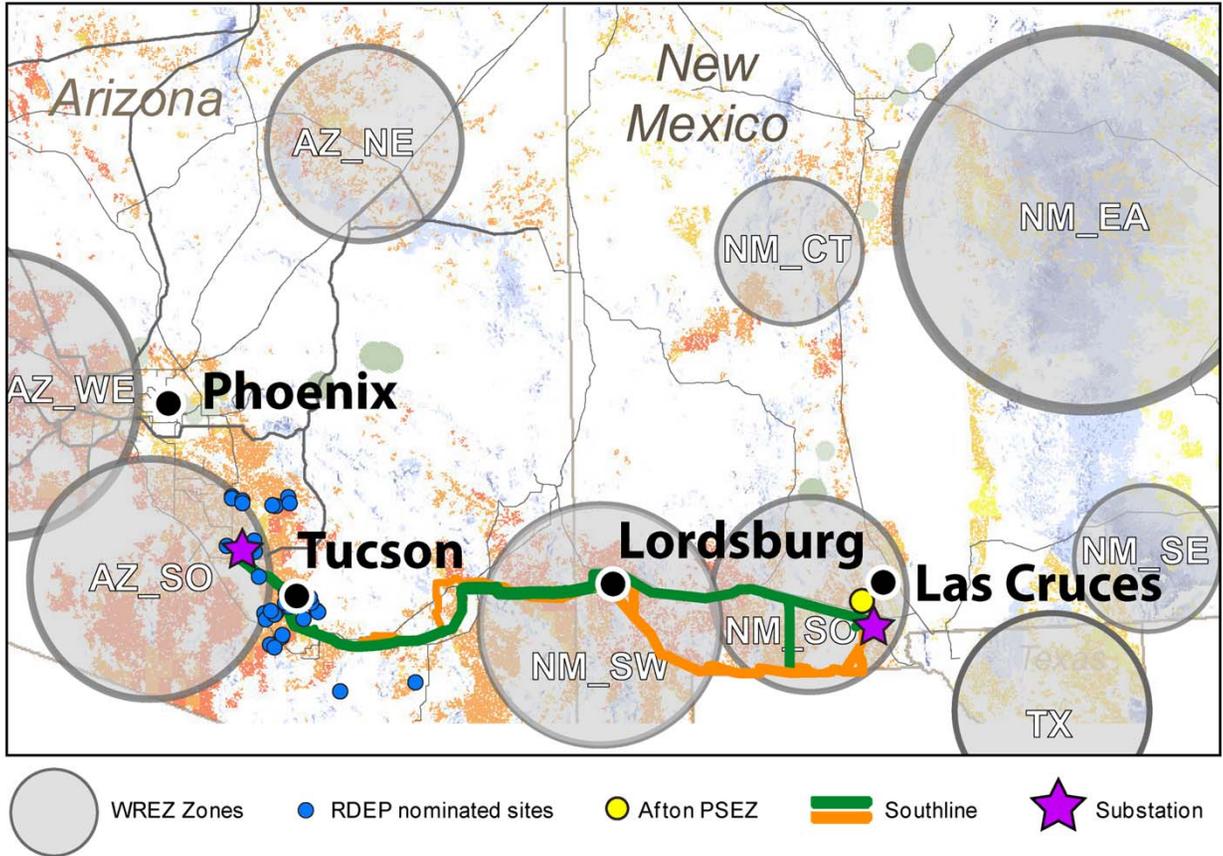
### Commercial

- Western/Southline Advanced Funding Agreement
  - [https://ww2.wapa.gov/sites/western/newsroom/NewsReleases/Documents/2012/040312\\_SouthlineTransProj.htm](https://ww2.wapa.gov/sites/western/newsroom/NewsReleases/Documents/2012/040312_SouthlineTransProj.htm)
  - Southline will cover Western's development period costs
  - Western is evaluating to what extent it will participate in the proposed project.

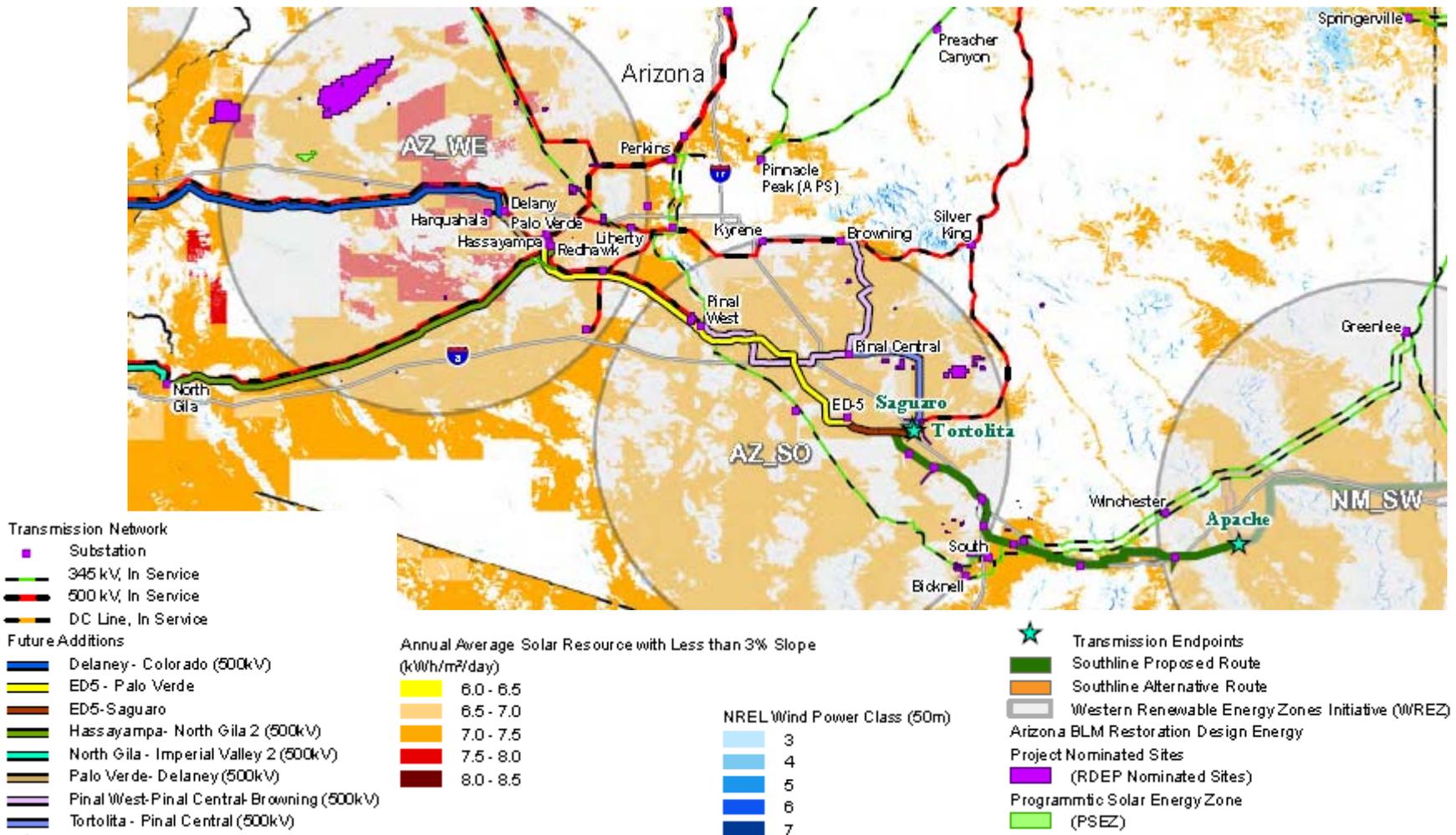
# Southern Arizona EHV Transmission System, Southline & Future Utility Sponsored Additions



# Facilitate Access to Renewable Energy Resources



## Southern Arizona Renewable Resources Southline, EHV Transmission, Future Utility Sponsored Projects





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