



NEW MEXICO

RETA

renewable energy transmission authority

Joint CCPG-SSPG-SWAT Meeting

Jeremy Turner, Executive Director

Westminster, CO

August 18, 2010

Summary

- Overview of RETA
- Senate Memorial 44 Update
- Governor's Task Force
 - Statewide Electricity Transmission Planning
- Los Alamos National Laboratory Study
- Current Efforts



New Mexico Renewable Energy Transmission Authority - RETA

- Statutorily created in 2007 to start addressing transmission & storage issues in the State
- 30% of power has to be from renewable sources on RETA sponsored projects



Senate Memorial 44

- Senate Memorial 44 – Sponsored by Senator Keller
- RETA's responsibilities:
 - Develop a map and supporting documents identifying existing generation and transmission lines and renewable energy resource zones to support development
 - Coordinate with other agencies to prioritize regions with low or minimal land development conflicts
 - Identify and prioritize the best options for potential transmission corridors

Senate Memorial 44 Update

➤ Next Steps

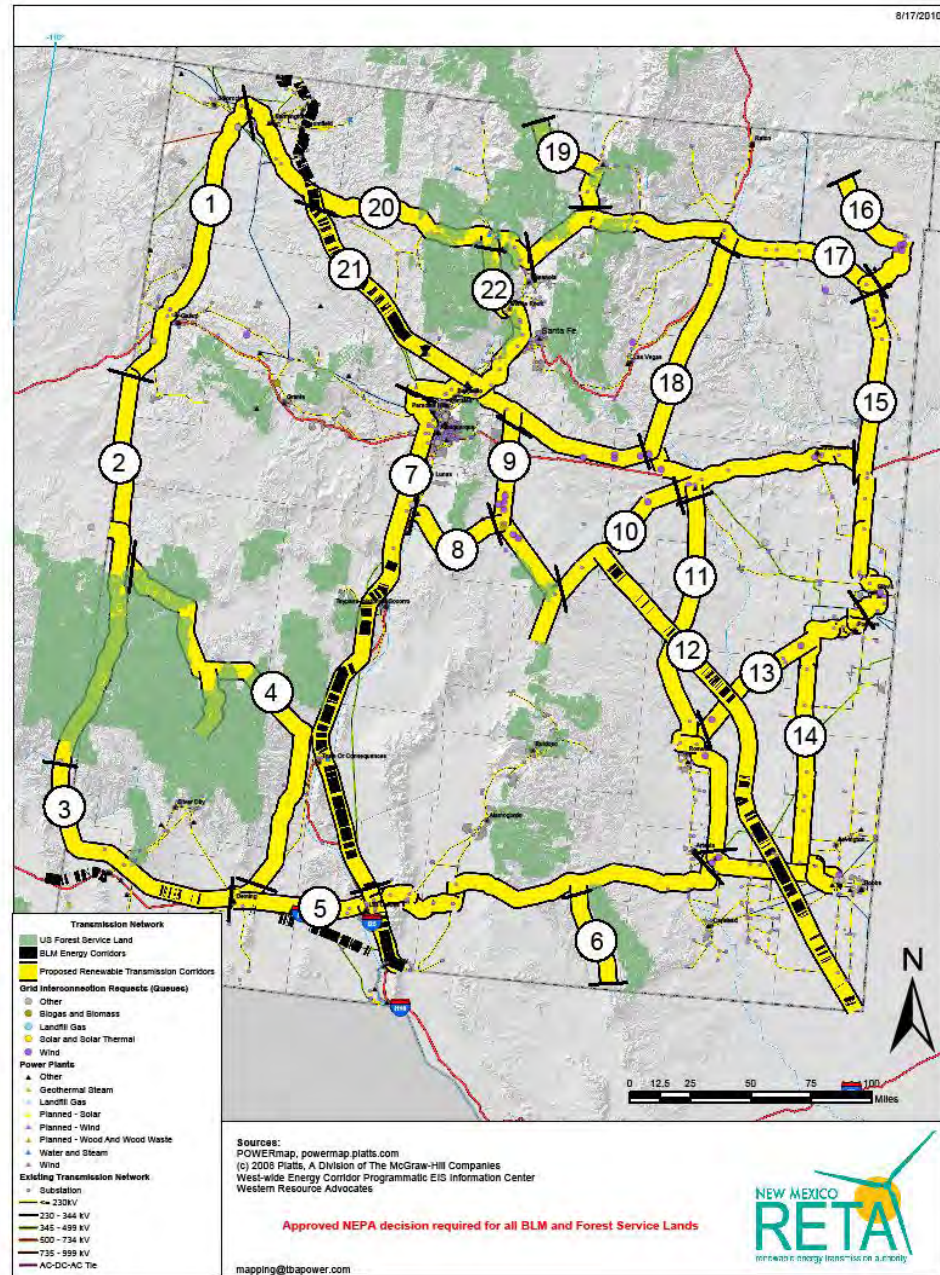
- White paper defining intent
- Update map and publish on RETA website - August 18th
- Comments due on updated map - September 3rd
- Hold stakeholder meeting – September 10th
- Update map and publish on RETA website – September 24th
- Comments due on updated map – October 15th
- Finalize corridors for continued study upon funding for programmatic environmental impact statement – October 27th

Los Alamos National Labs Study

➤ Economic and Technical Study

- Looped vs. radial collector systems
- Five-, ten- and twenty-year horizons
- Economic analysis of varying levels of investment in renewables
 - Impact on gross receipts taxes
 - Impact on property taxes
 - Job creation
 - Cost recovery options
 - Would require legislative action
 - Will examine the fiscal impact on NM customers
 - Goal is to encourage construction which creates jobs and generates revenue for the State

Proposed Corridors



Governor Richardson's Statewide Electricity Transmission Planning Task Force

- July 8, 2010 – Map a Statewide Clean Energy Transmission System
- The Task Force will prepare recommendations for the Governor and RETA's Board of Directors regarding opportunities and steps to:
 - Enhance the statewide electricity transmission grid, which will include any appropriate:
 - Collector systems
 - Financing options
 - Cost recovery options
- Recommendations will be on a 5-, 10- and 20-year planning horizon
- Report is due November 1st

Regional and Local Development












- Regional and Local Development Being Studied
 - High Plains Express - Line from Wyoming to New Mexico
 - SunZia - Line from New Mexico to Arizona
 - The Santa Fe Line - Line from New Mexico to Nevada
 - The Southline – Line from New Mexico to Arizona
 - Tres Amigas Superstation - Western, Eastern and Texas Interconnection
 - Central New Mexico Collector System

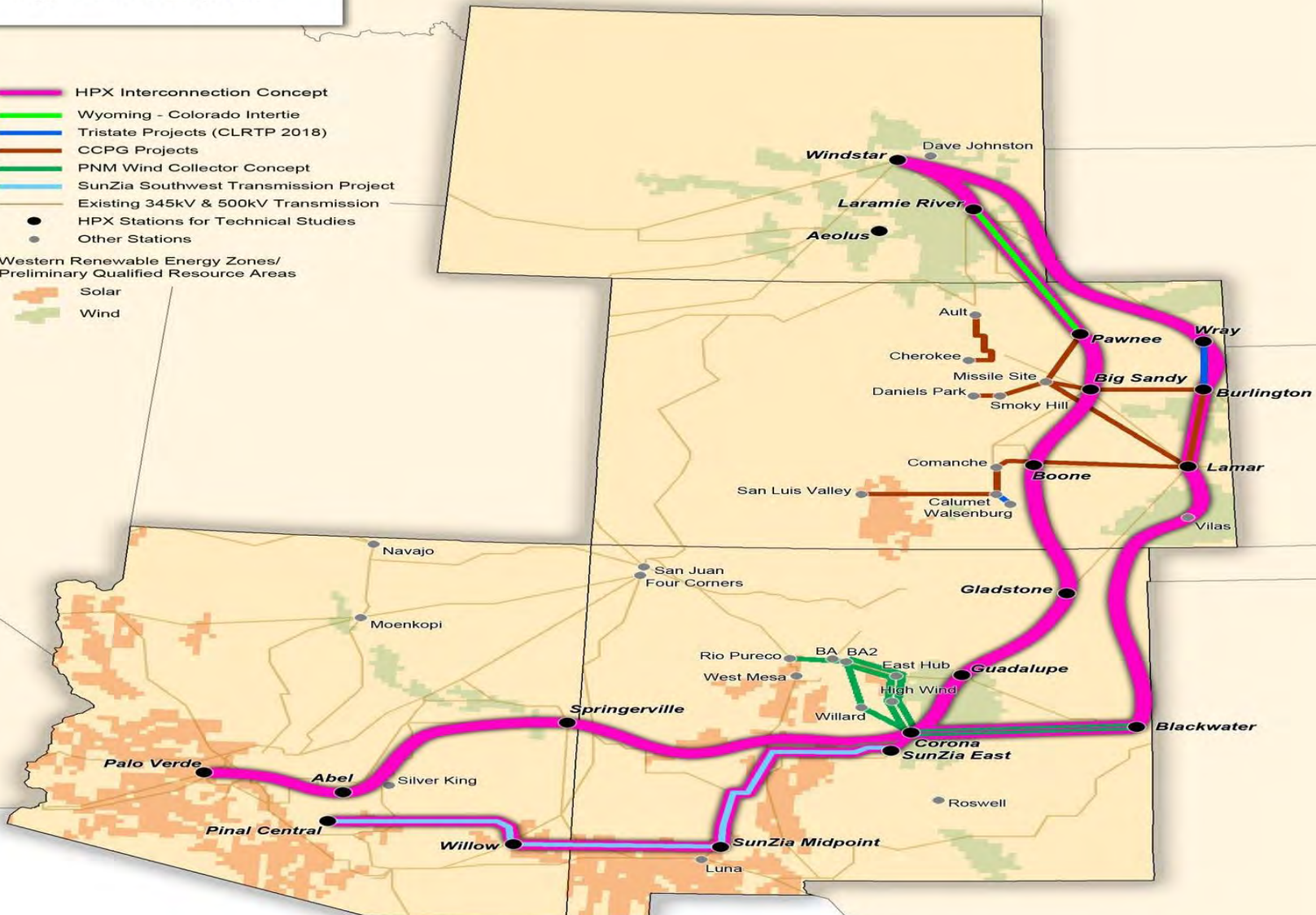
Regional and Local Development

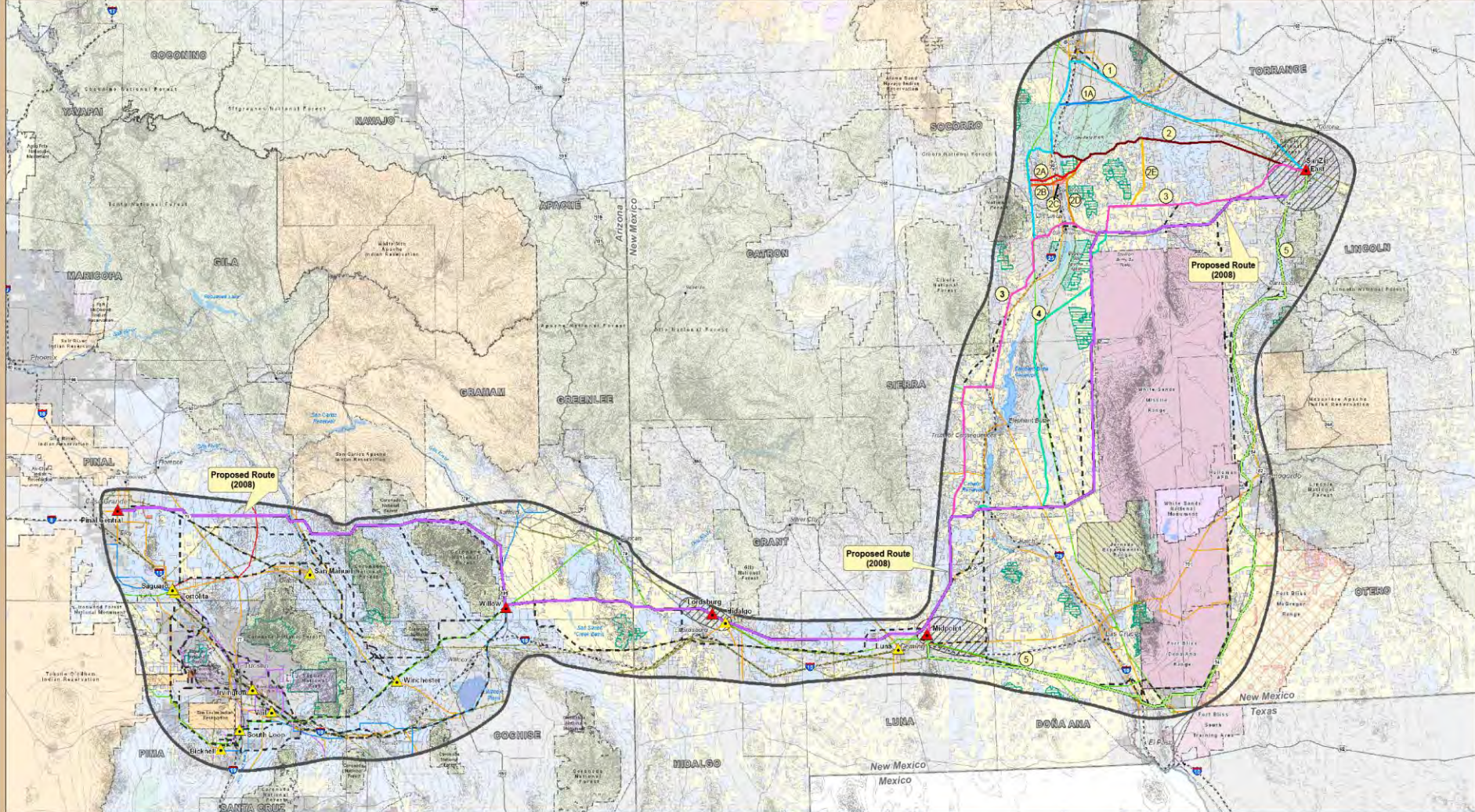
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HPX

High Plains Express

-  HPX Interconnection Concept
 -  Wyoming - Colorado Intertie
 -  Tristate Projects (CLRTP 2018)
 -  CCPG Projects
 -  PNM Wind Collector Concept
 -  SunZia Southwest Transmission Project
 -  Existing 345kV & 500kV Transmission
 -  HPX Stations for Technical Studies
 -  Other Stations
- Western Renewable Energy Zones/
Preliminary Qualified Resource Areas
-  Solar
 -  Wind





SunZia Southwest Transmission Project

Land Ownership and Jurisdiction



LEGEND

Land Ownership		U.S. Fish and Wildlife Service
Bureau of Land Management	U.S. Bureau of Reclamation	Indian Reservation
U.S. Dept. of Defense	State/Trust Land	Local or State Parks
McGregor Range Withdrawal	U.S.D.A. Forest Service	Private/Other
National Park Service	U.S.D.A. Other	

Base Features

SunZia Proposed Route - Sept. 8, 2008	Study Area - April 2010	
Alternative Route Segments	Substation Siting Area	
1	2B	3
1A	2C	4
2	2D	5
2A	2E	

Utilities

Proposed Substation	500kV Transmission Line
Existing Substation	345kV Transmission Line
Pipeline (Diameter 6")	230kV Transmission Line
	138kV/161kV Transmission Line
	116kV Transmission Line

Reference Features

City	State Highway	County Boundary
River/Stream	U.S. Highway	State Boundary
Lake/Reservoir	Interstate	Jurisdictional Boundary
Urban Area	Railroad	Wilderness Area
		Wilderness Study Area (WSA)

Sources:

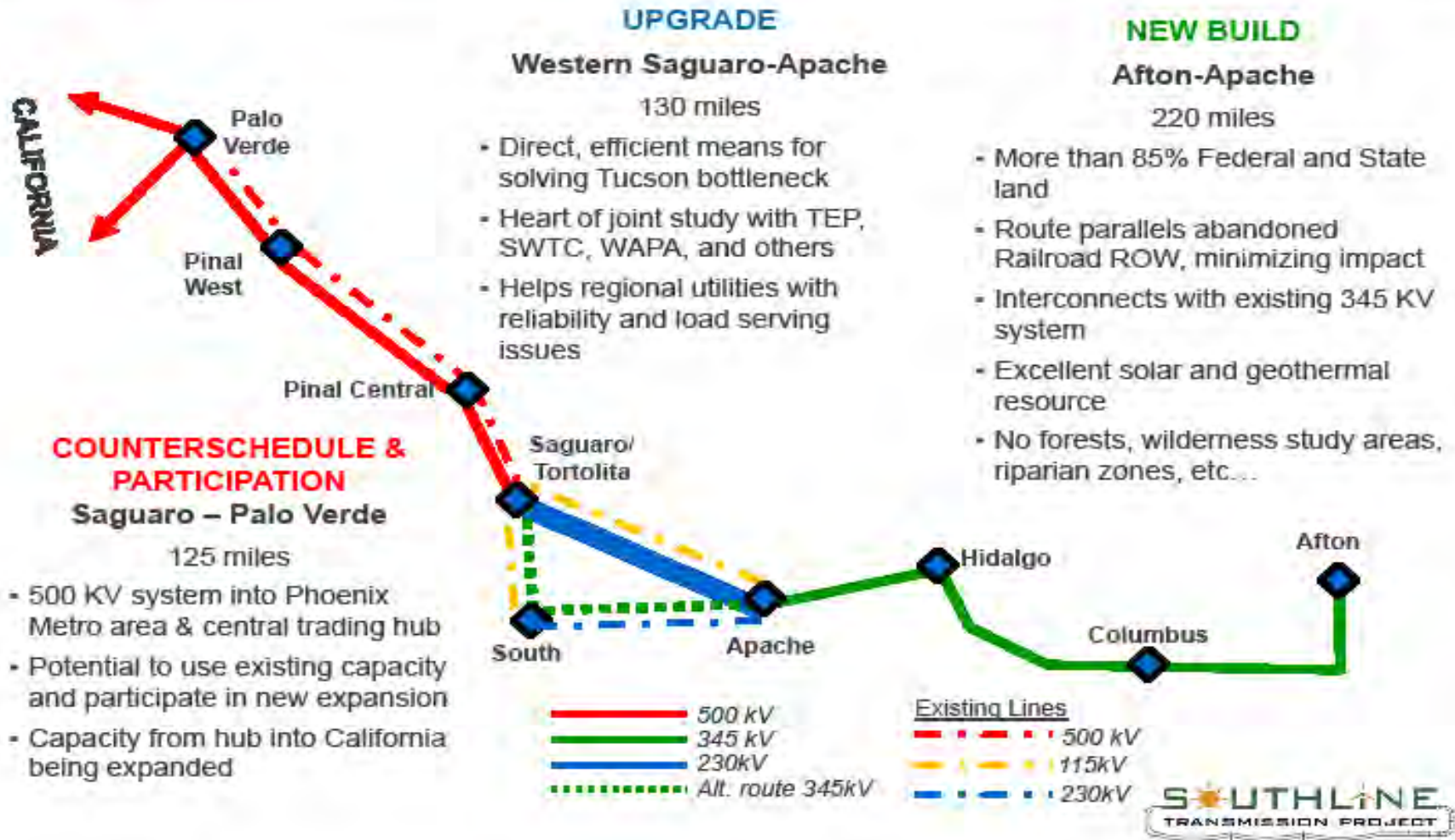
- AZ BLM 2009
- AZ State Land Department and ALRIS 2006
- ESRI StreetMap 2008, Minibres RMP 1989
- NM BLM 2009, Socorro FRMP 2009
- Tri-County RMP 2009
- POWERmap, powermap.platts.com
- ©2009 Platts, a Division of the McGraw-Hill Companies
- USGS, EPG, Inc. 2010



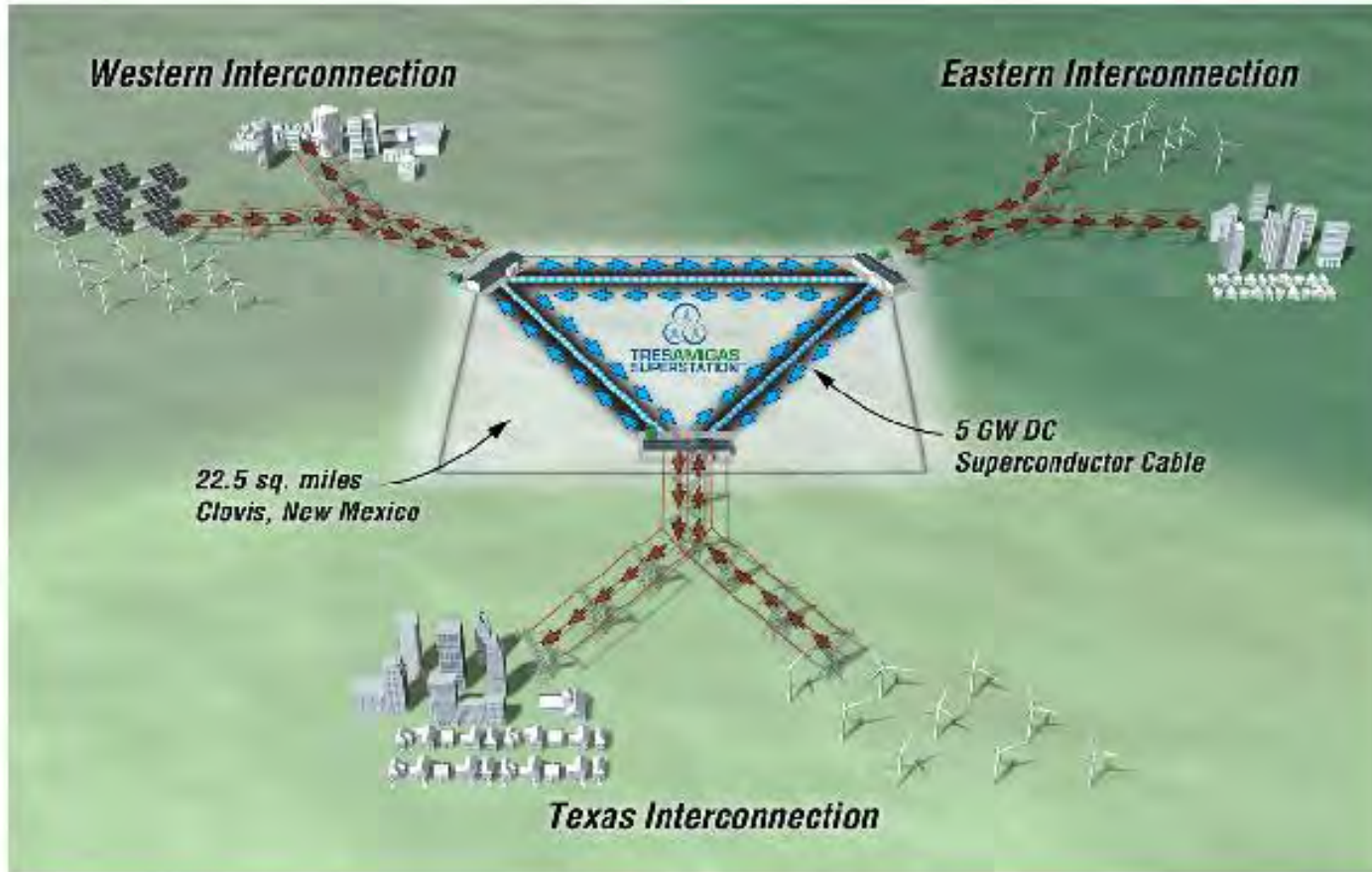
May 12, 2010



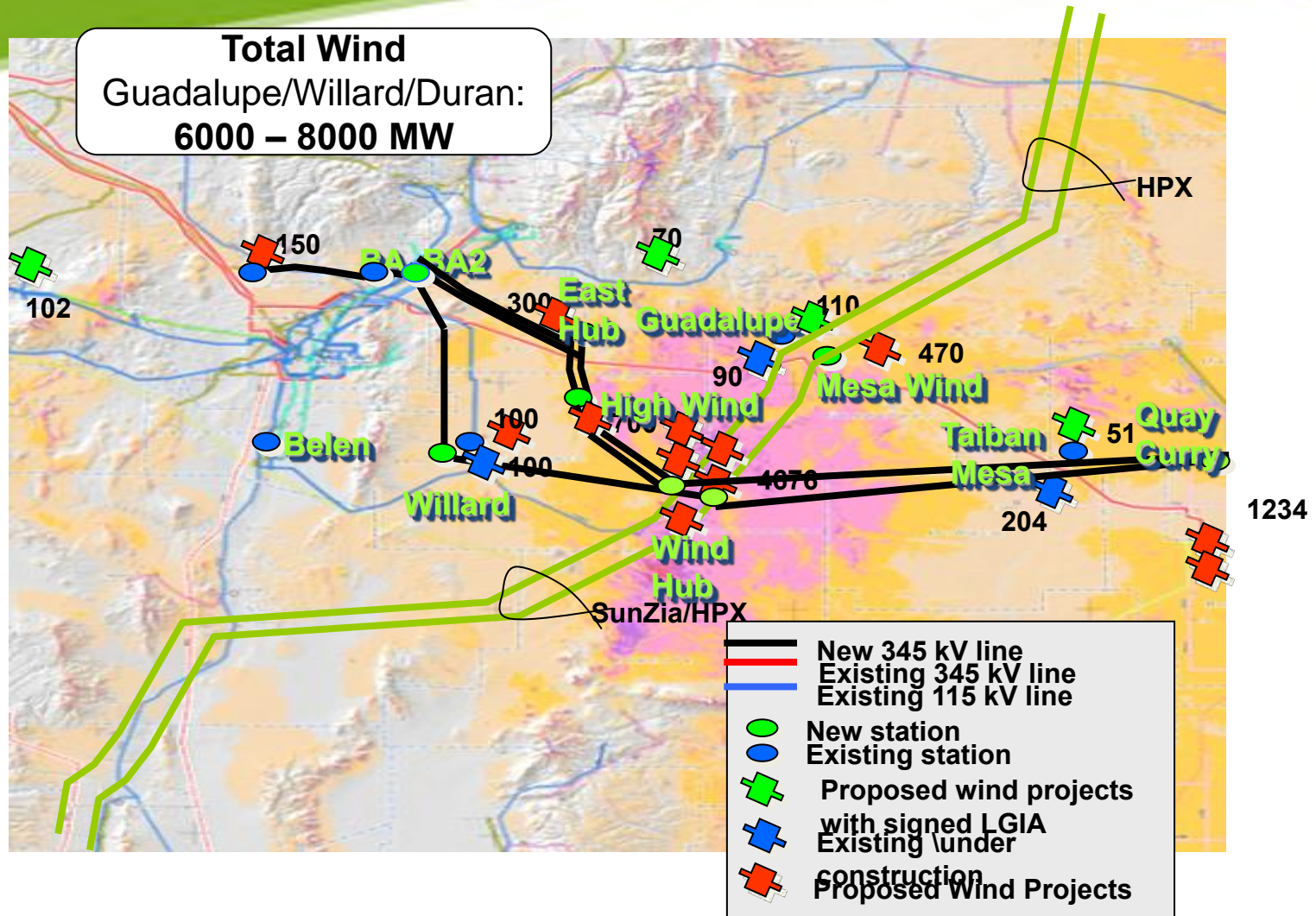
The Southline



The Tres Amigas SuperStation



PNM Collector System Integration with SunZia and HPX



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