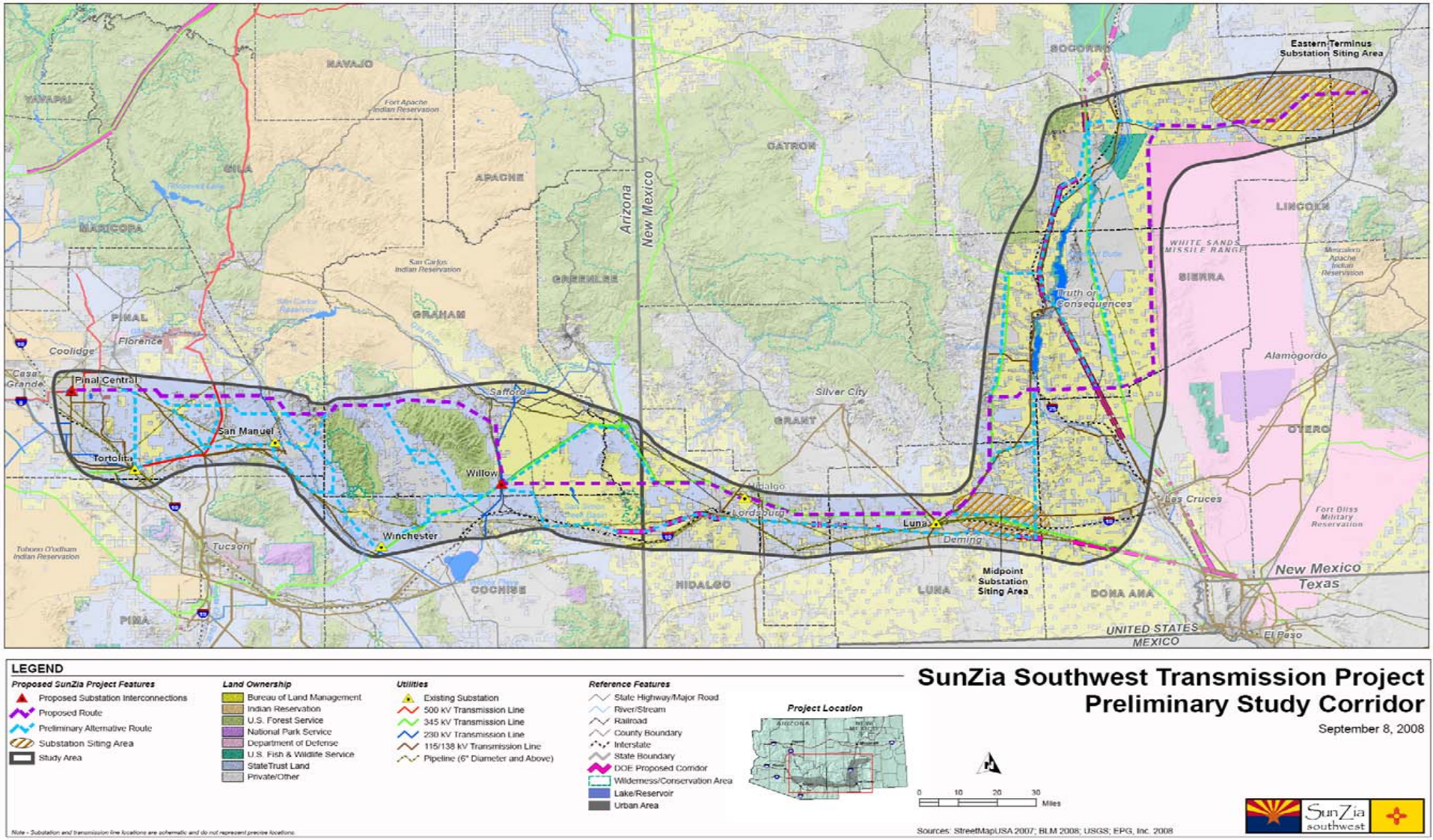
Federal Energy Regulatory Commission
Technical Conference on Transmission Barriers to Entry

October 14, 2008

SunZia Transmission Project

Tom Wray, Project Manager

Preliminary Study Corridor



LEGEND

Proposed SunZia Project Features
- Proposed Substation Interconnections
- Proposed Route
- Preliminary Alternative Route
- Substation Siting Area
- Study Area

Land Ownership
- Bureau of Land Management
- Indian Reservation
- U.S. Forest Service
- National Park Service
- Department of Defense
- U.S. Fish & Wildlife Service
- StateTrust Land
- Private/Other

Utilities
- Existing Substation
- 500 kV Transmission Line
- 345 kV Transmission Line
- 230 kV Transmission Line
- 115/138 kV Transmission Line
- Pipeline (6" Diameter and Above)

Reference Features
- State Highway/Major Road
- River/Stream
- Railroad
- County Boundary
- Interstate
- State Boundary
- DOE Proposed Corridor
- Wilderness/Conservation Area
- Lake/Reservoir
- Urban Area

Project Location

0 10 20 30 Miles

SunZia Southwest Transmission Project
Preliminary Study Corridor

September 8, 2008

Note - Substation and transmission line locations are schematic and do not represent precise locations.

Sources: StreetMapUSA 2007; BLM 2008; USGS; EPG, Inc. 2008

SunZia southwest

SunZia Project Summary

- Merchant project consists of up to two 500 kV AC transmission lines with key interconnections with the underlying EHV grid in NM and AZ
- Studies underway for including one 500 kV line as a bipolar DC facility
- Interconnections will allow export of renewable generation resources in NM and AZ to western power markets
- Product of Southwest Area Transmission Study Group (SWAT) regional planning efforts
- Proposed transmission route of 460+ miles
- Federal (BLM), state trust and private lands involved
- Expected power transfer capacity of over 3,000 megawatts (higher capacity expected with DC option being studied)

Project Benefits

- Provides delivery of renewable resources (particularly wind) to markets in the Western Interconnect
- Increases reliability of the existing NM and AZ underlying EHV transmission system
- Promotes interconnections of planned transmission facilities in the project area in both states
- Increases the transmission system transfer capability across the Western Interconnect

Project Schedule

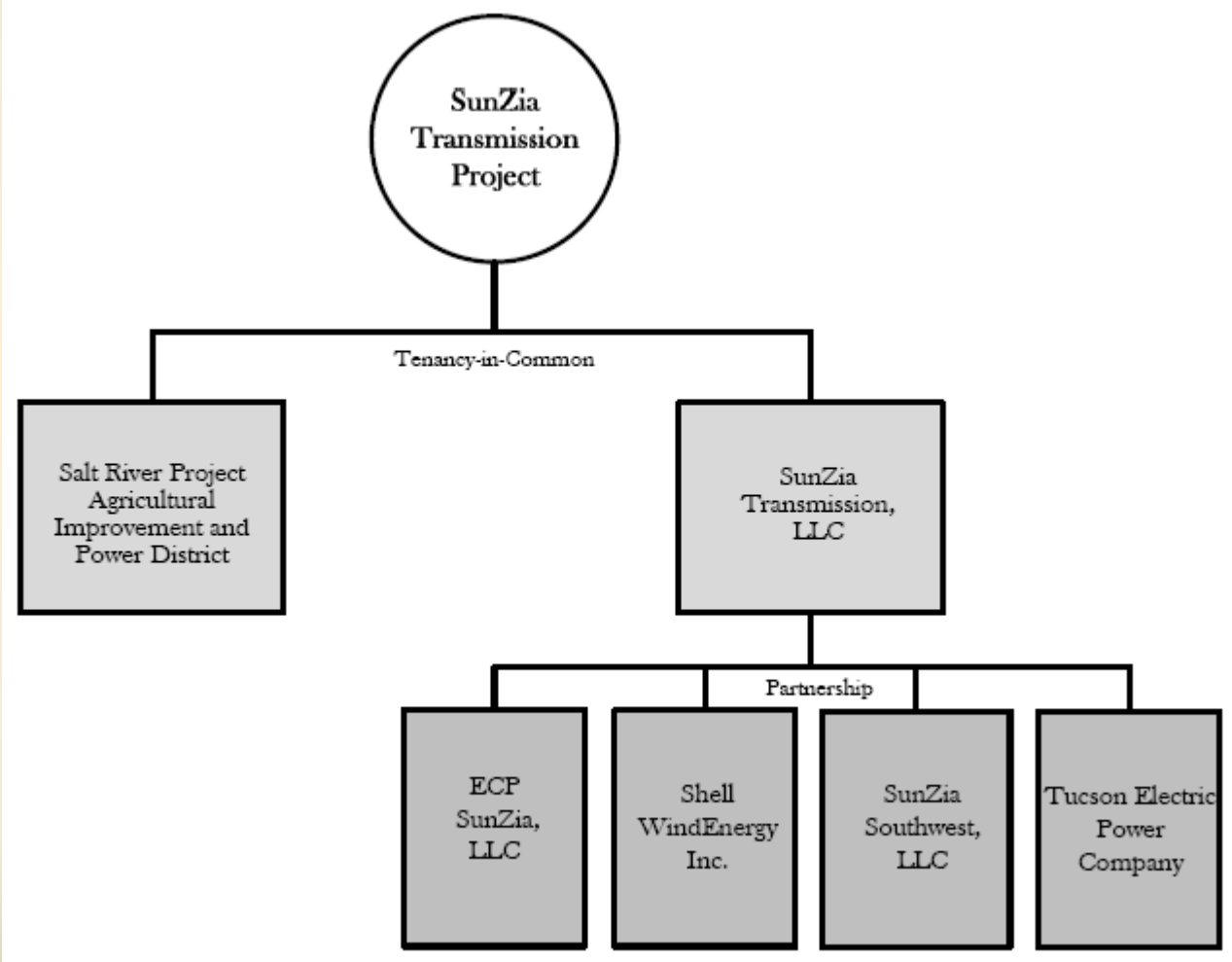
- Project Phases and Target Completion Dates:
  - Phase 0 – Project Feasibility and Execute MOA
    - **Completed April 2008**
  - Phase 1 – Project Development/Permitting
    - **Initiate Q2 2008**
    - **Complete Q4 2011**
  - Phase 2 – Design and Construction
    - **Initiate Q3 2009**
    - **Complete Q4 2013**
  - Phase 3 – Operation
    - **Late 2013**

Project Sponsors
(Excerpt from Press Release June 2, 2008)

SunZia Southwest Transmission Project partners:

- *Southwestern Power Group (www.SouthWesternPower.com): develops, and through its affiliates, constructs, owns and operates power generation projects in the western U.S. SWPG is a subsidiary of the MMR Group, a privately-held construction services firm based in Baton Rouge, Louisiana. Media contact: Ian Calkins, 602.229.1010*
- *Energy Capital Partners (www.ecpartners.com): a private equity investment firm active in the development of energy infrastructure projects in North America. Media contact: Paul Parshley, 973.671.6106*
- *Salt River Project (www.srpnet.com): the third-largest public power utility in the nation, provides water and electric services in Arizona; electricity provided to over 935,000 customers in the greater Phoenix metropolitan area. Media contact: Scott Harelson, 602.236.3021*
- *Shell WindEnergy Inc. (www.shell.com/wind): "Shell WindEnergy Inc." refers to the companies of the Royal Dutch Shell plc that are engaged in the pursuit and development globally of business related to wind power generation. Each of the companies that make up the Royal Dutch Shell plc is an independent entity and has its own separate identity. Principle offices of Shell WindEnergy are located in Houston. Media contact: Tim O'Leary, 713.241.1478*
- *Tucson Electric Power (www.tep.com): since 1892, provides electric services in southern Arizona to over a million residents. Media contact: Ed Beck, 520.745.3197*

Project Structure



SunZia Project Website

For more information please visit:

www.sunzia.net

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