



SunZia Southwest
Transmission Project



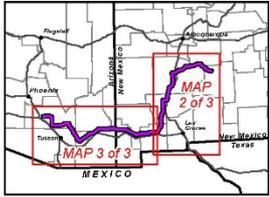
Science, Technology and Telecommunications Committee
John Ryan, Executive Director
SunZia Southwest Transmission Project

Project Summary

- ⚡ 520 mile independent transmission project in New Mexico and Arizona
- ⚡ Two 500kV AC lines providing 3,000 MW of transfer capacity from NM to AZ and CA
- ⚡ Brings high-quality renewable energy to western utilities and power markets
- ⚡ Pattern Energy was selected in August 2016 as the anchor customer for the first 500 kV transmission line
- ⚡ Commercial operation on the first 500kV line in 2020-2021

Exhibit B
Right-of-Way Grant
NM - 114438
SunZia Southwest
Transmission Project

Map 1 of 3



SunZia Southwest Transmission Project Features

500 kV Transmission Line Right-of-Way

- Route Group 1
- Route Group 3
- Route Group 4

- Proposed SunZia 500 kV Substation Site
- Other 500 kV Substation
- Mitigation Proposal Segment (buried transmission line)

General Reference Features

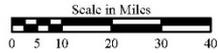
- City
- State Highway
- U.S. Highway
- Interstate
- Lake/Reservoir

Land Ownership

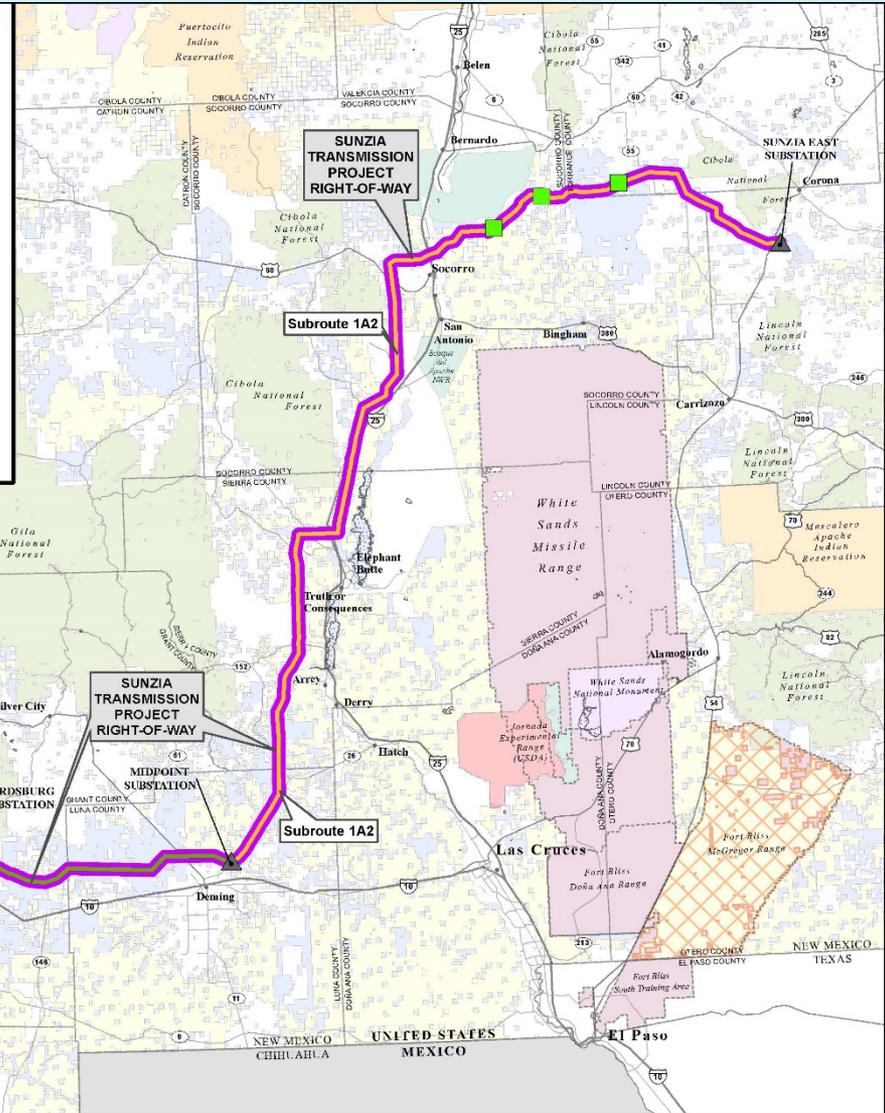
- Bureau of Land Management
- U.S. Department of Defense
- McGregor Range Withdrawal
- National Park Service
- U.S. Forest Service
- U.S. Fish and Wildlife Service
- U.S. Bureau of Reclamation
- Federal (Other)
- Indian Reservation
- State
- Private/Other

Sources

Arizona Bureau of Land Management 2010
 Arizona State Land Department and ALRIS 2010
 New Mexico Bureau of Land Management 2013
 Esri StreetMap 2010
 Environmental Planning Group I.J.C. 2014



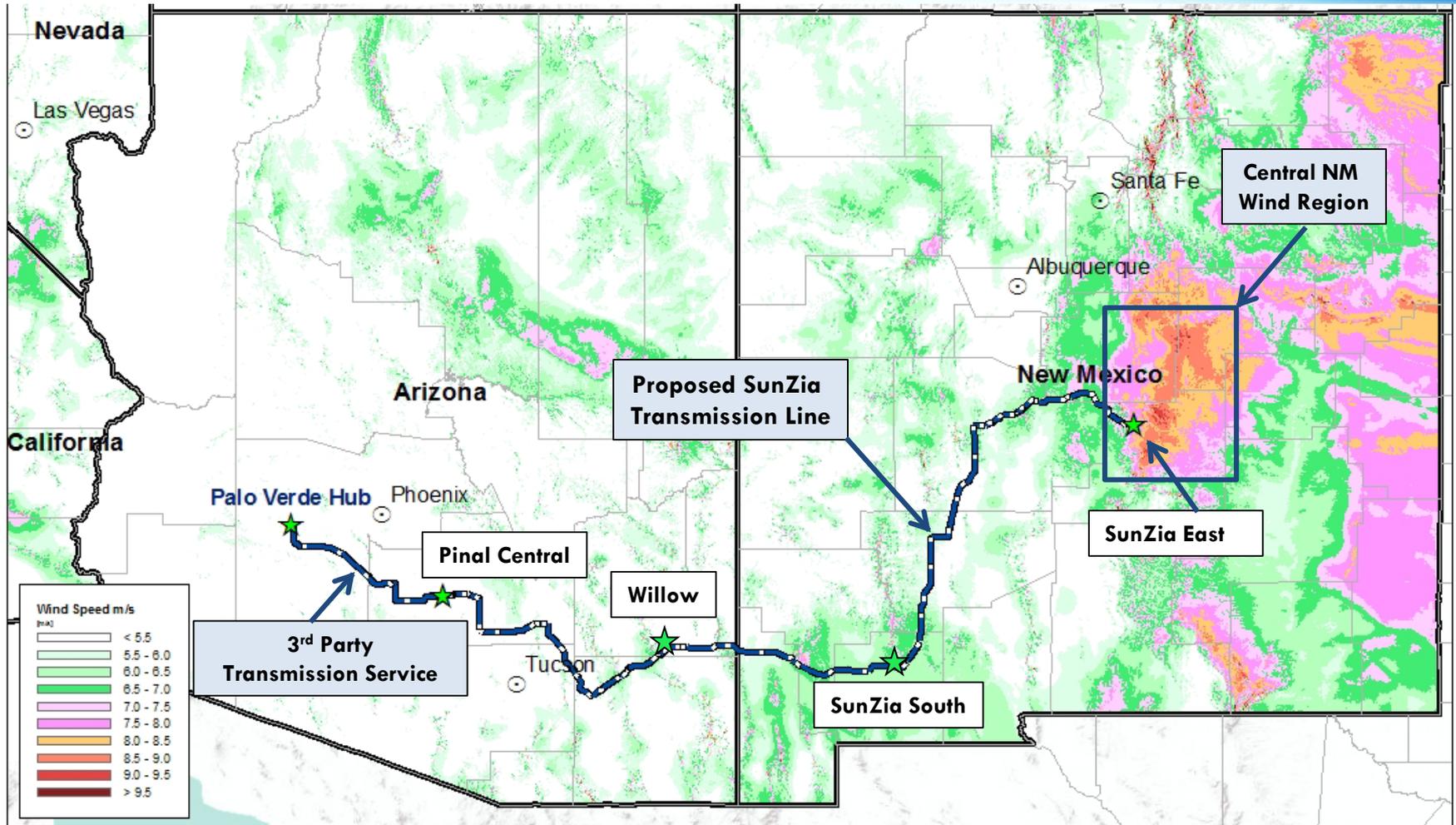
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List of Cooperating Agencies

1. U.S . Army Corps of Engineers
2. Department of the Army, Fort Bliss
3. Department of the Army, White Sands Missile Range(WSMR)
4. U.S. Air Force Holloman Air Force Base (AFB)
5. U.S. Fish and Wildlife Service
6. U.S. National Park Service
7. Department of Defense (DOD) Siting Clean House, Office of the Deputy Under Secretary (Installations and Environment)
8. New Mexico State Land Office (NMSLO)
9. New Mexico Spaceport Authority
10. Arizona State Land Department (ASLD)
11. Arizona Game and Fish Department
12. Arizona Department of Transportation
13. Department of the Army, For Huachuca
14. Bureau of Indian Affairs (BIA)

SunZia: 500kV Project delivering NM Wind to the Palo Verde Hub



Economic Benefits in New Mexico

During Construction	Jobs ¹	Labor Income	State Taxes	County Taxes ²
First 500 kV AC Line	2,900	\$214 M	\$22.5 M	\$10.9 M
Both 500 kV AC Lines	5,721	\$425 M	\$44.9 M	\$21.8 M

During Operation	Jobs	Labor Income	State Taxes	County Taxes
First 500 kV AC Line	33	\$1.9 M	\$.385 M	\$4.32 M
Both 500 kV AC Lines	64	\$3.7 M	\$.759 M	\$8.64 M

Source: New Mexico State University, Arrowhead Center

- 1 Construction jobs are measured in man years. For example, 6,200 jobs over 4 years is equivalent to an average of 1,550 jobs for each of the four years.
- 2 SunZia currently working with Association of Counties on Industrial Revenue Bond legislation to return revenue directly to the impacted counties.

SunZia Timeline

**\$100 Million
Spent
To-Date**

2006-2019

Over Ten Years of Project Development:

- Joint Participation Agreement Executed
- Environmental Studies Completed (7 year process)
- Federal Permitting Completed and BLM Right-of-Way Acquired
- Arizona State Siting Permit Issued
- Numerous Electrical Studies Completed with WECC
- Selected Pattern Energy as Anchor Customer for 1500 MW of capacity based on wind energy projects it will develop in New Mexico

Current Activities:

- Acquire ROW on State & Private Lands in AZ and NM
- Continue Marketing Efforts with Pattern Energy for Line 1
- Obtain Location Permit in New Mexico
- Complete Engineering Design of Line 1
- Negotiate Construction Contracts and Purchase Orders on Major Equipment: Cable, Towers, Concrete, Substation Equipment, etc.
- Select EPC Contractor

Commercial Operation by 2020-2021:

- Line 1 enables delivery of up to 1500 MW of electric generation

**Estimated
\$850 Million
to Construct
First Line**

2020/2021



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