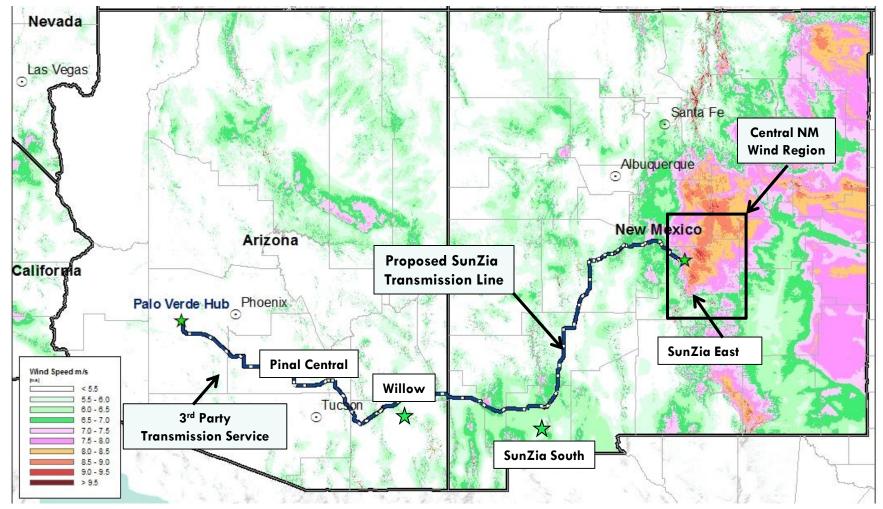
SunZia Project Update 2020 Western Transmission Summit

January 22-23, 2020 Costa Mesa, CA





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





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 Development was selected in August 2016 as the anchor customer for the first 500 kV transmission line and awarded 1,500 MW of transmission capacity
- Obtained Declaratory Orders from FERC in May 2011 for negotiated rate authority and Sept 2017 for allocating 100% of capacity to anchor customers
- WECC granted SunZia an Accepted Rating of 3,000 MW for two 500kV AC lines in March 2011; rating was re-confirmed in January 2015
- Construction start expected in 2020/2021; Target commercial operation of the first 500kV line is 2022/2023



Customers and PPAs

- SunZia selected Pattern Development in August 2016 as the anchor tenant (pursuant to May 2011 FERC Order)
- SunZia awarded Pattern 1,500 MW of capacity and FERC issued its decision in Sept 2017 approving selection
- Pattern's Corona Wind Project is SunZia's first 500 kV line customer under long-term transmission service agreements with SunZia
- Pattern will sell Corona Wind's energy to utilities and others under long-term power purchase agreements (PPAs) and is discussing PPAs with utilities in NM, AZ and CA
- Pattern has signed 400 MW of PPAs for Corona Wind with California load-serving entities



SunZia Timeline

\$100 Million
Spent
To-Date

Estimated \$900 Million to Construct First Line

Twelve 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 Development 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 for Line 1
- Obtain New Mexico State Location Permit
- Complete Engineering Design of Line 1
- •Negotiate EPC Construction Contract and Purchase Orders on Major Equipment
- Arrange Construction Financing

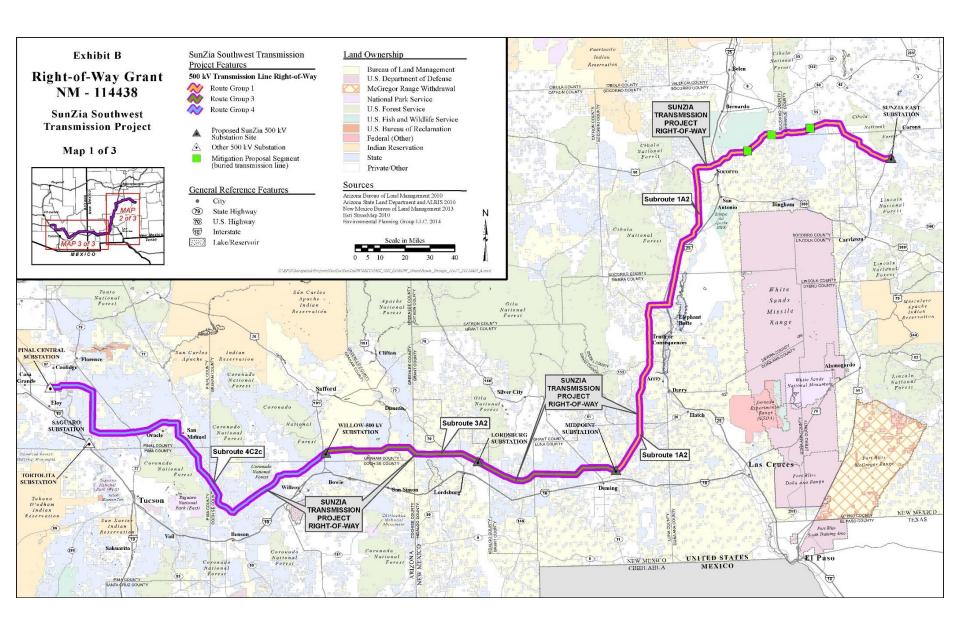
Construction of First 500 kV line:

- •Construction will likely be conducted on multiple segments of the project, simultaneously
- •Expected to start 2020/2021

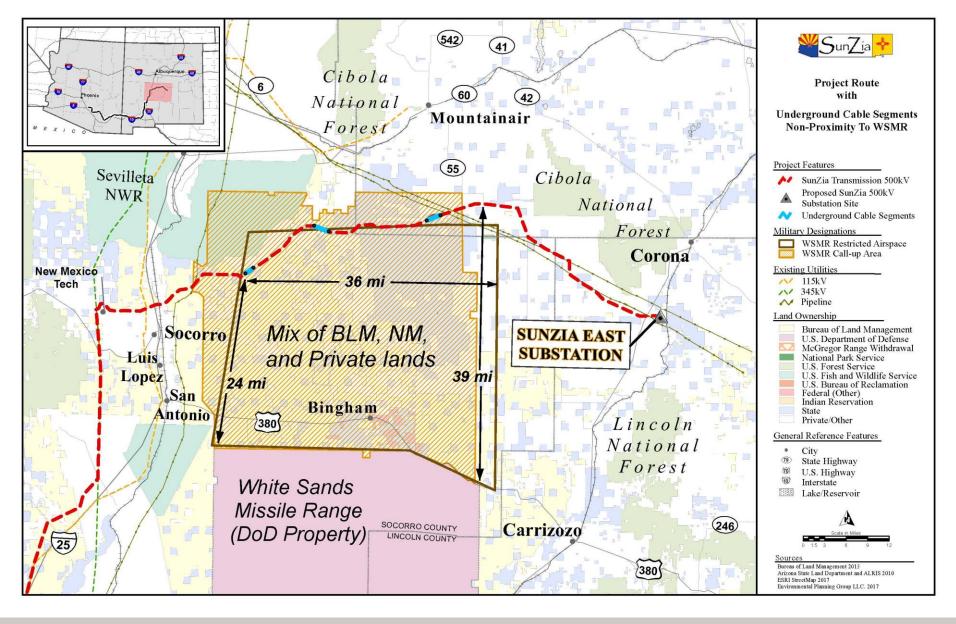
Commercial Operation by 2022/2023:

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











Environmental Permits

- September 2008: Started permitting activity
- January 2015: Completed NEPA with BLM (Record of Decision)
- September 2016: Executed ROW Grant Agreement with BLM
- February 2016: Received the AZ state permit (Certificate of Environmental Compatibility)
- March 2016: Executed agreement with Department of Defense and Department of Army to mitigate all impacts
- September 2018: The NM Public Regulation Commission approved SunZia's ROW width and denied without prejudice SunZia's location; we will re-file the location portion of the permit.



Engineering and Construction

- Engaged Burns & McDonnell in May 2016 for design & engineering of SunZia Line 1 for Final Plan of Development
- Engaged Power Engineers as Owners Engineer in May 2017
- Design is 60% complete (underground design is 90% complete);
 triple bundled 1590 ACSR (Lapwing), 70% series compensated line
- Selected EC Source as the preferred contractor in July 2018
- Have signed contracts with several suppliers for key items Towers, Underground Cable & Series Compensation
- Have fully tested the family of lattice towers
- SunZia and EC Source have finished a constructability review and all tower locations and access plans are being finalized



Rights of Way

Category	Entity	AZ	NM	Total Miles	Number	Status
Federal	BLM	50	134	184	1	ROW Grant signed, being amended
State	Arizona	134		134	1	ROW Application in-process
	New Mexico		96	96	1	ROW Application in-process
Private	Arizona	16		16	39	Nearly complete
	New Mexico		90	90	85	Nearly complete
Aerial Crossings	Various				89	In-progress
	Total	200	320	520		



Summary of Rights of Way

NM Private

ROW Grant with BLM signed September 2016; being amended pursuant to an EA

✓ AZ State Application in-process; Target completion in 2019

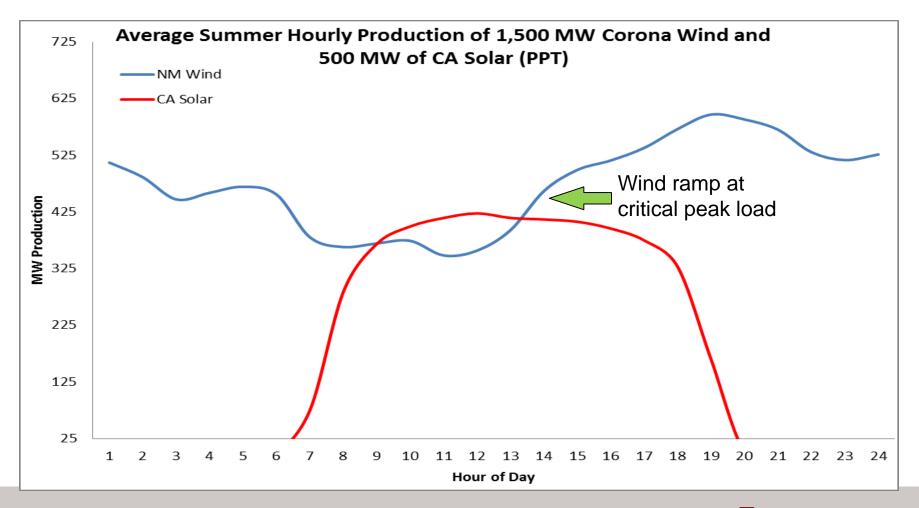
NM State Application in-process; Target completion in 2019

AZ Private
87% complete; 8% terms agreed + unsigned; 5% terms not agreed

88% complete; 12% terms agreed + unsigned



New Mexico Wind Compliments Solar





NM Wind + SunZia = Commercial Success

- Pattern has signed 400 MW of PPAs with loadserving entities using SunZia for delivery.
- In mid-2018, Pattern signed two 15-year power purchase agreements with CA load-serving entities:
 - Silicon Valley Clean Energy (SVCE) for 110 MW
 - Monterey Bay Community Power (MBCP) for 90 MW
- In late-2018, Pattern Development signed a 3rd PPA for 20 years for 200 MW with a CA muni in Northern California.



Contact Page

Tom Wray
Project Manager
SouthWestern Power Group
twray@southwesternpower.com

Project Website:

www.sunzia.net



