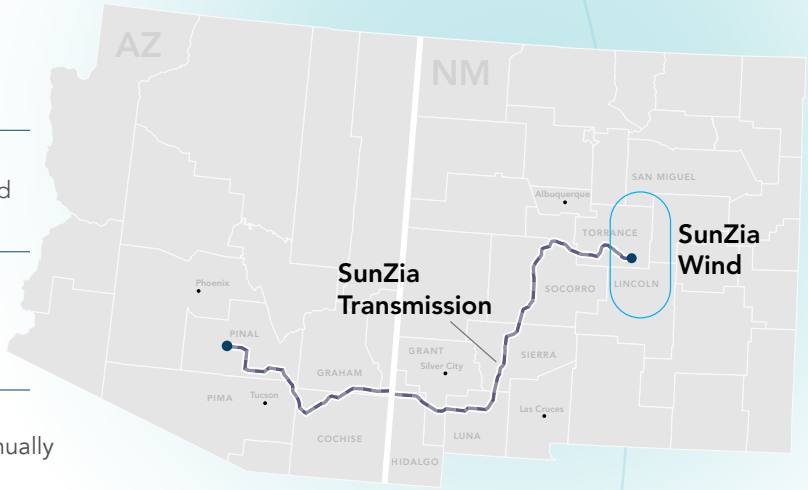
Pattern | SunZia

SunZia Wind and SunZia Transmission combine to create the largest clean energy infrastructure project in United States history, harnessing over 3,500 MW of renewable energy. Privately developed by Pattern Energy, the projects are expected to generate $20.5 billion in total economic benefit, including more than $16 billion in direct economic investment, $3 billion in indirect and induced economic benefits across New Mexico and Arizona, and $1.3 billion in direct payments to local governments, communities, and schools.

3,500+ MW
New wind energy generation

~550 miles
±525 kV High-Voltage Direct Current (HVDC) transmission line
— Opening New Mexico and its vast wind resource to export opportunities



100+ **Permanent jobs**
For 30+ years operating period

2,000+ **Construction jobs**
Over approximately 2.5 years

3 million **Americans**
Supplied with clean power annually

SunZia Wind and Transmission Economic Impacts

TOTAL : **$20.5 billion**

$16.2 billion
Direct Economic Impact

Capital expenditure and operational expenditure, including payments to private landowners

$1.9 billion
Indirect Economic Impact

Purchases of goods and services resulting from the expenditures, such as food, lodging, and supplies

$1.1 billion
Induced Economic Impact

Subsequent impact of direct and indirect benefits to public services, including police, fire, schools, and households

$1.3 billion
Fiscal Impact

Payments directly to public entities, including taxes, PILOT payments, community sponsorships, federal agency payments, and state land payments

Figures represented are the results of an independent study conducted by research firm Energy, Economic & Environment Consultants LLC.

SunZia.com

SunZia Transmission

New Mexico

SunZia Transmission originates in east-central New Mexico. The new transmission line enables the development of the state's high-quality wind resource for benefit across the western market. Torrance County is the eastern terminus of SunZia, which then traverses 353 miles southwest into Valencia, Socorro, Sierra, Grant, Luna, and Hidalgo counties before continuing its path through Arizona.

The New Mexico portion of the line is being developed in partnership with the New Mexico Renewable Energy Transmission Authority (RETA), which facilitates the development of electric transmission and storage projects.

353 Transmission miles

HVDC Converter Station
Torrance County, New Mexico



Arizona

SunZia Transmission traverses over 199 miles in five Arizona counties, including Greenlee, Graham, Cochise, Pima, and Pinal before interconnecting with the Western Interconnection southeast of Phoenix. Access will enable development of new renewable resources to serve expanding renewable electricity demands.

199 Transmission miles

HVDC Converter Station
Pinal County, Arizona

Economic Impacts

MILLIONS

	Total	New Mexico	Arizona
Direct	$3,649	$564	$452
Fiscal Impacts	$304	$117	$187
Indirect Benefits	$266	$120	$147
Induced Benefits	$324	$157	$168
Total Impact	**$4,544**	**$958**	**$953**

Out of State Direct Economic Impact: $2,633 million

SunZia Wind

SunZia Wind represents the largest wind energy facility in the United States. The 3,515 MW facility will be located in Lincoln, Torrance, and San Miguel counties in New Mexico.

100+ **Permanent jobs**
For 30+ years operating period

1,000+ **Construction jobs**
Over approximately 2.5 years

Economic Impacts

MILLIONS

	Total	New Mexico
Direct	$12,511	$2,982
Fiscal Impacts	$1,037	$1,037
Indirect Benefits	$1,616	$1,616
Induced Benefits	$789	$789
Total Impact	**$15,953**	**$6,424**

Out of State Direct Economic Impact: $9,529 million

> Wind energy is great for the rural community. Pattern putting these wind turbines up and adding to the income of the ranchers is really keeping a lot of the ranches in their families. They're not having to sell their cattle; they're not having to sell their ranch. They've got enough supplemental income to get them through the rough years.



Tom Spindle
New Mexico

Environmental Benefits

SunZia is the most significant clean energy infrastructure project in the history of the Western Hemisphere.

3 million Americans
Supplied with clean power, annually

7+ billion gallons of water saved*

13+ million metric tons of CO_2 avoided*
Equivalent to:
removing **~3 million cars from the road** or
taking **3 GW worth of coal plants offline**

**as compared to coal-fired generation*

Filling in the Energy Gap

SunZia wind generation is complementary to solar generation in the Southwest, producing power in the late afternoons and evenings when solar ramps down. This period is the grid's most critical time of day, and SunZia's power will reduce the overall need for fossil fuel resources.

Low-conflict Environmental Site

Identified by the conservation community as one of roughly 20 areas in the western U.S. that could provide environmentally low-conflict renewable energy generation to meet California's zero-carbon electricity goals.

Public Health & Environmental Justice

Fossil fuel generation is often sited near low-income, historically underserved communities. SunZia is part of a larger movement to relieve the burden that a coal-fired electric grid inflicted on these communities.

Partnering for Education

Renewable energy will help support the next generation in more ways than one—our land agreements with the Arizona State Land Department and New Mexico State Land Office will help each agency meet its mission goals of funding public education.

Commitment to Local Communities and Environmental Stewardship

Community Engagement and Giving

Pattern's involvement in the community started early and will continue throughout the life of the projects. Community engagement has been quintessential for SunZia, and Pattern has sought and incorporated feedback from local, regional, and national organizations ranging from local groups like the Save our Bosque Task Force, to regional groups like Western Resource Advocates and national organizations such as Audubon National. This feedback led to better, more environmentally compatible projects.

When the community speaks, we listen. That's why we've invested millions to support dark sky initiatives, minimizing FAA lighting on transmission towers and installing radar systems to keep our wind farm FAA lights off until planes fly through.

Being a good neighbor benefits the communities where we develop and the long-term success of our facilities. Pattern's Community Benefits Programs support local economies and ensure regional benefits and lasting impact. We aim to be partners, from providing sustaining donations to community-based organizations to sponsoring valued local events like the Junior Livestock Pavilion at the New Mexico State Fair. Our contributions are also funding conservation organizations working in the Middle Rio Grande Valley to build staff capacity for the first 10 years of operations where the SunZia Transmission Project crosses the Rio Grande.

Local Job Creation

Pattern Energy strives to find ways to expand benefits for the communities where we operate. We are committed to using qualified local and regional vendors and contractors when possible. These efforts will create more jobs and help the community derive additional economic benefits from the project.

Environmental Stewardship

The SunZia Wind and Transmission Projects have been developed with a deep commitment to environmental stewardship, following through on an extended engagement with local, regional, and national conservation stakeholders. SunZia Transmission is setting a precedent with a gold standard in environmental mitigation projects developed hand-in-hand with the environmental community. SunZia Wind has established robust best practices to reduce project impacts and study effective habitat restoration strategies in partnership with local and state experts. This work is varied in scale and subject and includes:

— Working with the conservation community to purchase a 1,000-acre property along the Rio Grande with significant water rights that is expected to be donated to the **Sevilleta National Wildlife Refuge;**

— Partnering with the Arizona Department of Game and Fish on **several thousand acres of habitat restoration**, expected to include earthen tank rehabilitation, invasive species removal, revegetation with native species, wildcat road restoration, and erosion control;

— Installing, testing, and studying an **innovative technology illuminating the transmission line** with UV light to increase the visibility for large-bodied waterfowl, which began in 2021 in funding to ongoing research in the Audubon Rowe Sanctuary;

— Ongoing **research into sandhill crane flight behavior** in partnership with the U.S. Fish & Wildlife Service (USFWS), which resulted in the publication of peer-reviewed science that can inform future transmission line design; and

— **Funding scientific research to USFWS and New Mexico State University** to understand upland bird population declines in the desert southwest.