




# Increasing Energy Security for Native Communities

The Indian Tribal Energy Development and Self-Determination Act of 2005, under the Energy Policy Act of 2005, authorizes the U.S. Department of Energy (DOE) Office of Indian Energy to fund and carry out a variety of programs and projects that assist American Indian tribes and Alaska Native villages with:

- **PROMOTING** tribal energy development, efficiency, and use
- **REDUCING** and **STABILIZING** energy costs
- **ENHANCING** tribal energy natural resources
- **STRENGTHENING** economic infrastructure
- **ELECTRIFYING** Indian lands and homes.

To address these mission-driven priorities, we partner with American Indian tribes and Alaska Native villages to maximize the development and deployment of energy solutions through:

-  Technical assistance
-  Access to capital
-  Education and capacity building



**POWERING  
SOVEREIGN  
COMMUNITIES,  
SUSTAINING  
FUTURE  
GENERATIONS**

For more information on the Office of Indian Energy, visit [energy.gov/indianenergy](https://energy.gov/indianenergy) or contact [indianenergy@hq.doe.gov](mailto:indianenergy@hq.doe.gov).

Photo by Dennis Schroeder, NREL 51182

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St. Paul Harbor, Kodiak, Alaska



# Delivering Technical Assistance

The Office of Indian Energy provides no-cost technical assistance to advance fuel- and technology-neutral tribal energy projects and initiatives. Office of Indian Energy staff, DOE national laboratory experts, and other providers deliver this assistance.

## Types of On-Request Technical Assistance



### Technical analysis

Generally involves analysis and modeling, expert review, transmission and/or utility assessment, market access, and energy efficiency reviews; intended to address specific project needs and result in a tangible product or deliverable to move a specific project forward.



### Financial analysis

Intended for decision makers in the early stages of energy development, including economic or market analysis; may include modeling for payback periods, net present value, and levelized cost of energy.



### Strategic energy planning

May provide an initial resource assessment, energy options analyses, and development of a viable road map; typically includes an on-site workshop facilitated by tribal energy experts to assist tribal leaders, elders, and staff in developing an energy plan.

## What Technical Assistance Recipients Say

"This was so good for us! We are saving more money now so we can buy more gas to go hunting and fishing."

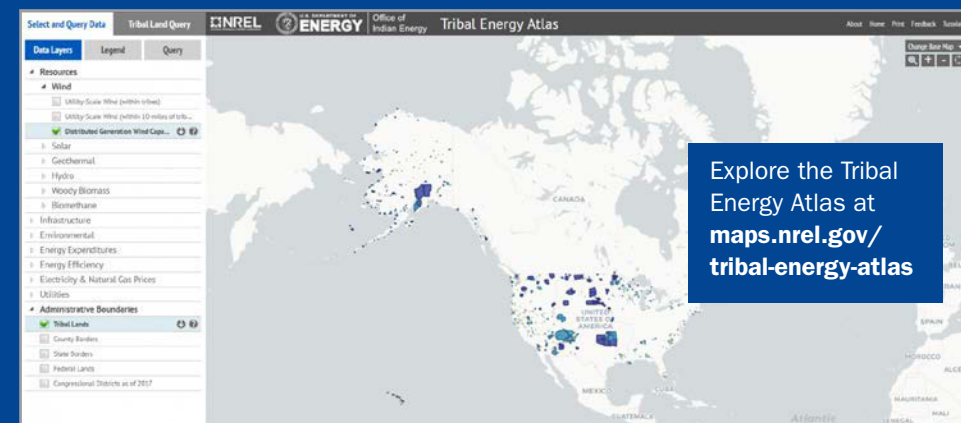
"Process was great - everyone who I worked with was really **fantastic, professional, available, and respectful.**"

"Information helped us determine feasibility, which allowed us to take the next step and look at requirements to **move the project ahead.**"

▶ Learn more and apply at [energy.gov/indianenergy/technical-assistance](http://energy.gov/indianenergy/technical-assistance).

## SUPPORTING INFORMED ENERGY DECISIONS

The Office of Indian Energy's Tribal Energy Atlas is a first-of-its-kind interactive geospatial tool that enables tribes to conduct their own analyses of installed energy projects and resource potential on tribal lands. The atlas contains up-to-date conventional and renewable energy resource data, along with other relevant information on infrastructure, environment, energy efficiency, electricity and natural gas prices, and more.



# Expanding Access to Capital

The Office of Indian Energy facilitates tribal access to capital for energy infrastructure deployment projects through competitively awarded grants.

## IMPACT OF OFFICE OF INDIAN ENERGY INVESTMENTS IN TRIBAL ENERGY PROJECTS, 2010-2018

- More than **170** funded tribal energy projects
- Over **\$70 million** in DOE investments
- Nearly **\$154 million** in total project value
- Over **32 megawatts** of new generation installed on tribal lands
- Aggregate tribal savings of more than **\$14 million** each year



For more information on funded projects, see [energy.gov/indianenergy/maps/tribal-energy-projects-database](http://energy.gov/indianenergy/maps/tribal-energy-projects-database).

## Tribal Energy Loan Guarantee Program

Implemented by the DOE Loan Programs Office, the Tribal Energy Loan Guarantee Program is a partial loan guarantee program that can guarantee up to \$2 billion in loans to support economic opportunities to eligible tribal entities through energy development projects and activities.

For more information, see [energy.gov/lpo/tribal-energy-loan-guarantee-program](http://energy.gov/lpo/tribal-energy-loan-guarantee-program).

# Building Tribal Capacity

Through in-person events and online resources, the Office of Indian Energy supports tribal efforts to build the internal capacity needed to implement successful strategic energy solutions that benefit tribal communities.

## Program Review

Annual Program Reviews feature project status updates from tribes across the nation that are leveraging Office of Indian Energy grant funding to deploy energy infrastructure. This multiday event provides a prime opportunity for tribes and Alaska Native villages to meet, learn from other communities pursuing energy self-sufficiency, and share in each other's successes.

## National Tribal Energy Summit

Hosted by the Office of Indian Energy in coordination with the National Conference of State Legislatures, this biennial event brings tribal leaders together with senior Administration officials and representatives from federal agencies, state governments, private industry, utilities, and academia to exchange ideas and explore solutions to energy development and security issues identified by tribes.

## Online Resources

The Office of Indian Energy provides a variety of online resources, including monthly webinars, an e-newsletter, renewable energy online learning courses, an extensive energy resource library, and more. Explore these resources at [energy.gov/indianenergy/resources/education-and-training](http://energy.gov/indianenergy/resources/education-and-training).



Clockwise from top left: Tanadgusix Corporation's wind-diesel hybrid plant in St. Paul, Alaska; the Confederated Tribes of the Umatilla Reservation's 97-kilowatt solar array in Oregon; energy-efficiency upgrades at the Coeur d'Alene Tribe's Benewah Market in Idaho; the Spokane Tribe's 650-kilowatt community solar project in Washington; the Chaninik Wind Group's wind-diesel power systems in southwest Alaska; and the Forest County Potawatomi Community biodigester in Wisconsin.

Photos (clockwise from top left) from the Tanadgusix Corporation; Confederated Tribes of the Umatilla Reservation; Jennifer Fletcher, Coeur d'Alene Tribe Council Fires Newspaper; Spokane Indian Housing Authority; Chaninik Wind Group; Forest County Potawatomi Community