

DOE OFFICE OF INDIAN ENERGY

Highlighting Successful Tribal Energy Projects

Tribal Energy Summit: Financing Roundtable

Lizana Pierce, Senior Engineer and Program Manager

DOE Office of Indian Energy

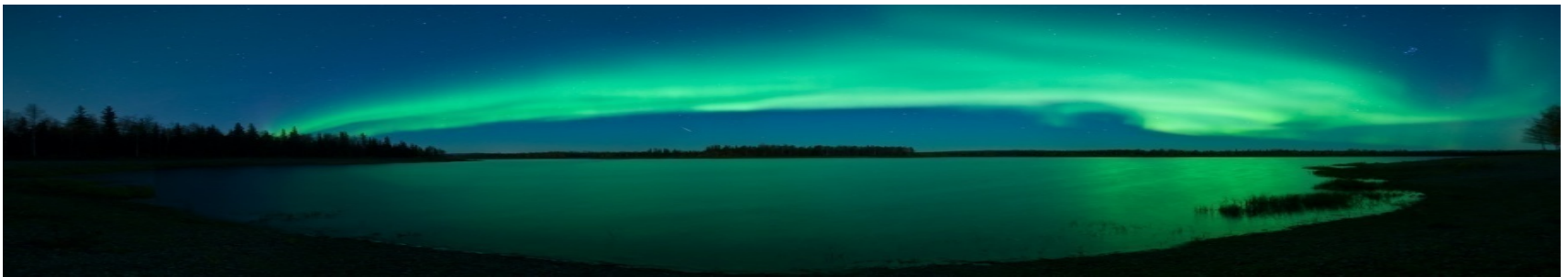


U.S. DEPARTMENT OF
ENERGY

Office of
Indian Energy

September 23, 2015

Strengthening Tribal Communities, Sustaining Future Generations



Authorized under Title V of the Energy Policy Act (EPAct) to provide, direct, foster, coordinate, and implement energy planning, education, management, conservation, and delivery programs of the Department that—

- (1) promote Indian tribal energy development, efficiency, and use;
- (2) reduce or stabilize energy costs;
- (3) enhance and strengthen Indian tribal energy and economic infrastructure relating to natural resource development and electrification; and
- (4) bring electrical power and service to Indian land and the homes of tribal members located on Indian lands or acquired, constructed, or improved (in whole or in part) with Federal funds.

OUR MISSION

To maximize the development and deployment of energy solutions for the benefit of American Indians and Alaska Natives.

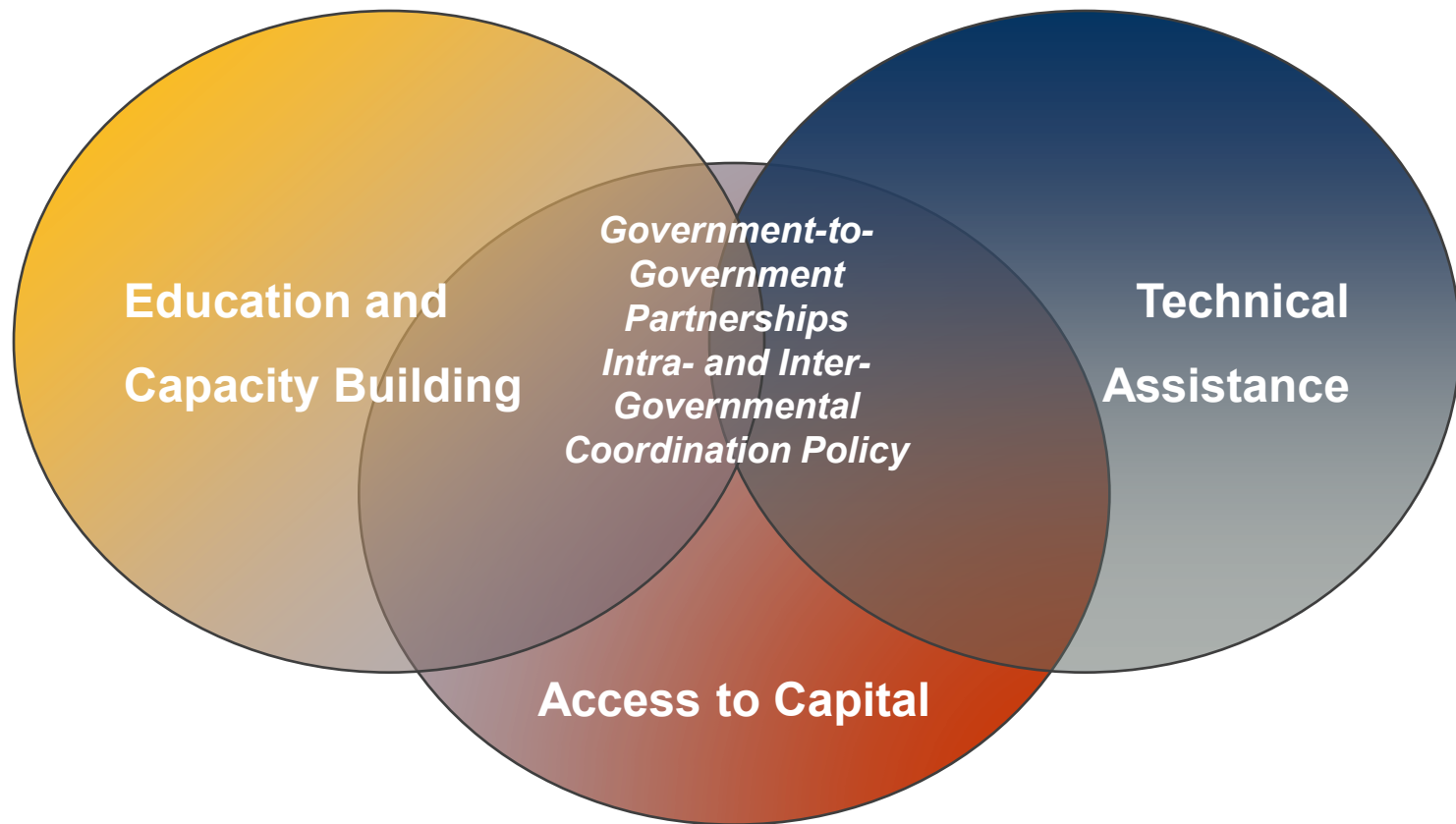
OUR VISION

To be the premier federal agency for providing tribal communities and Alaska Native villages with the knowledge, skills, and resources needed to implement successful strategic energy solutions.



**Rosebud Sioux's (SD) Little Soldier
Turbine (750 kW)**

Maximizing the Return through Government-to-Government Partnerships



FY2015 Financial Assistance

Facilitating Access to Capital to Spur Deployment in Indian Country

Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands 2015 (DE-FOA-0001390)

▪Topic Area 1: Tribal Building Clean Energy and Energy Efficiency Retrofits

- Facility-scale
- 10 kW minimum for clean energy systems and 15% displacement of energy source
- Multiple energy efficiency measures with 20% reduction of all energy

▪Topic Area 2: Deploy clean energy systems on a community-scale

- Community-scale
- 50 kW minimum



Solar arrays on home on the Navajo Nation

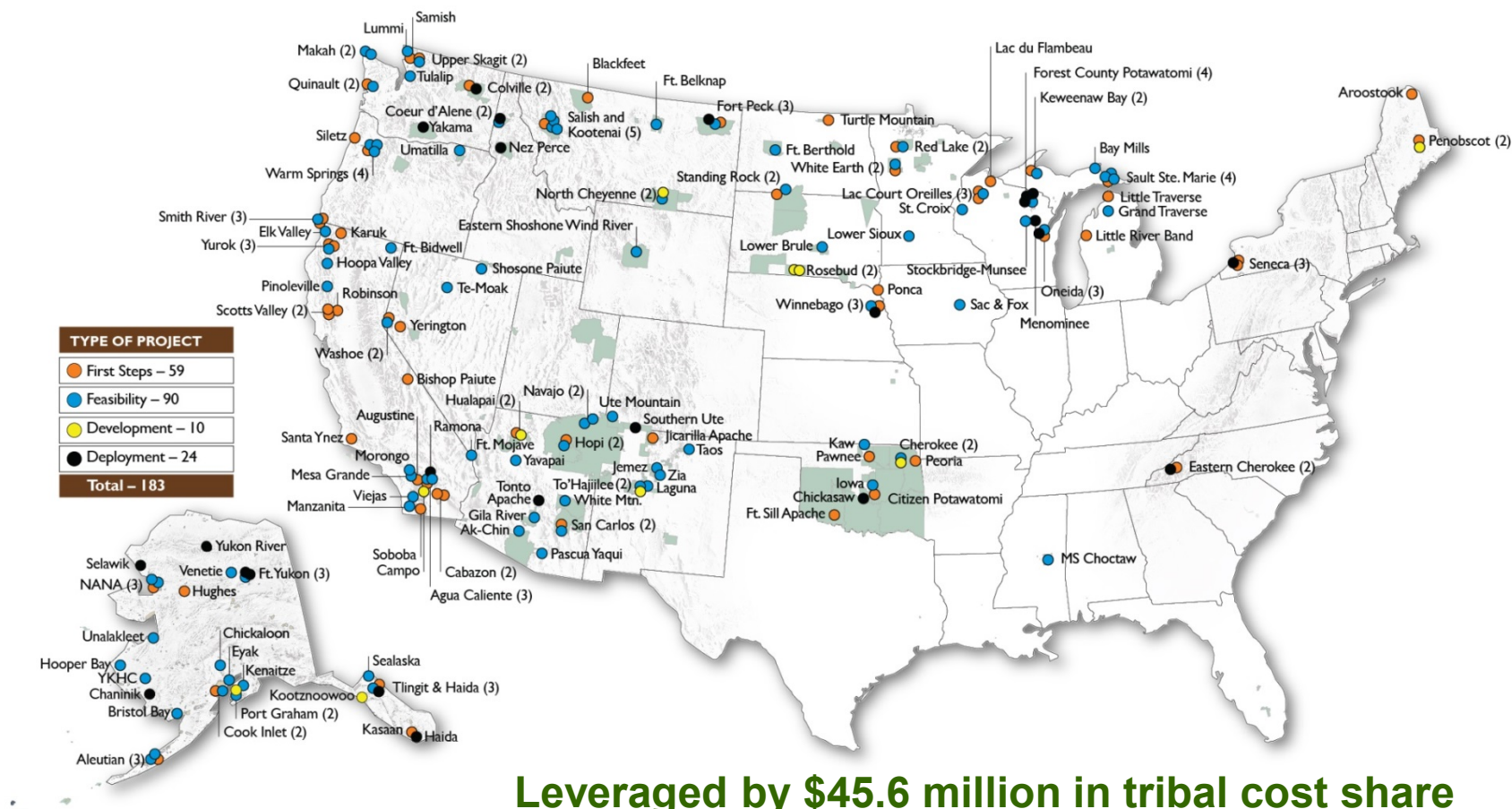
Closes December 10, 2015

Competitive Process (2002-2014)

Accomplishments

- **18 Funding Opportunities Announcements issued**
- **Total of 658 applications accepted** (valued at \$364 million)
- **86% of all meritorious applications funded** (195 of 228)
- **Funded 30% of all applications received** (DOE average is ~5 to 10%)
- **Funded 129 Different Tribes** (22.8% of all 566 Tribes)

DOE has Invested \$48 Million in 183 Tribal Energy Projects (2002-2014)



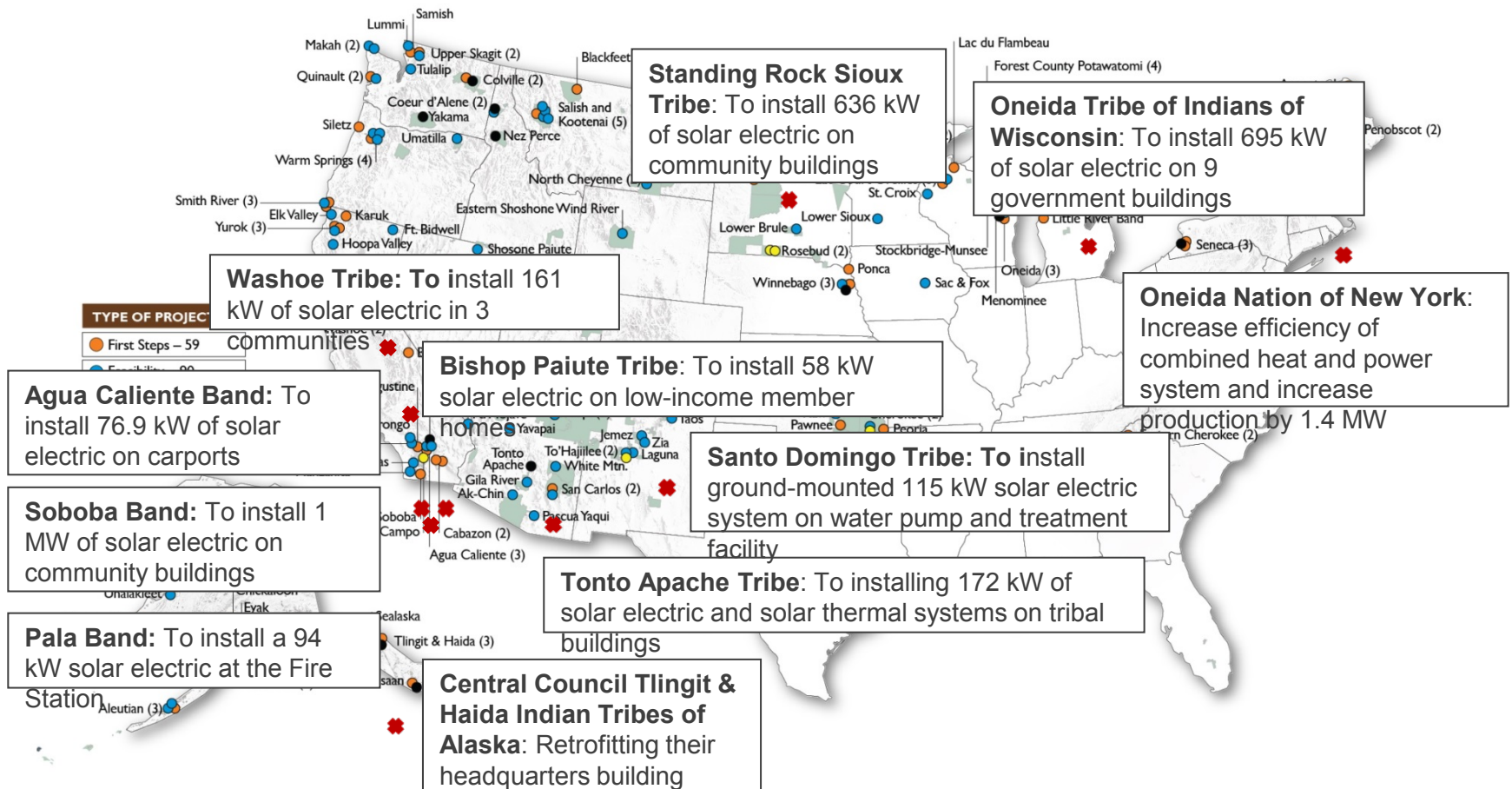
Leveraged by \$45.6 million in tribal cost share



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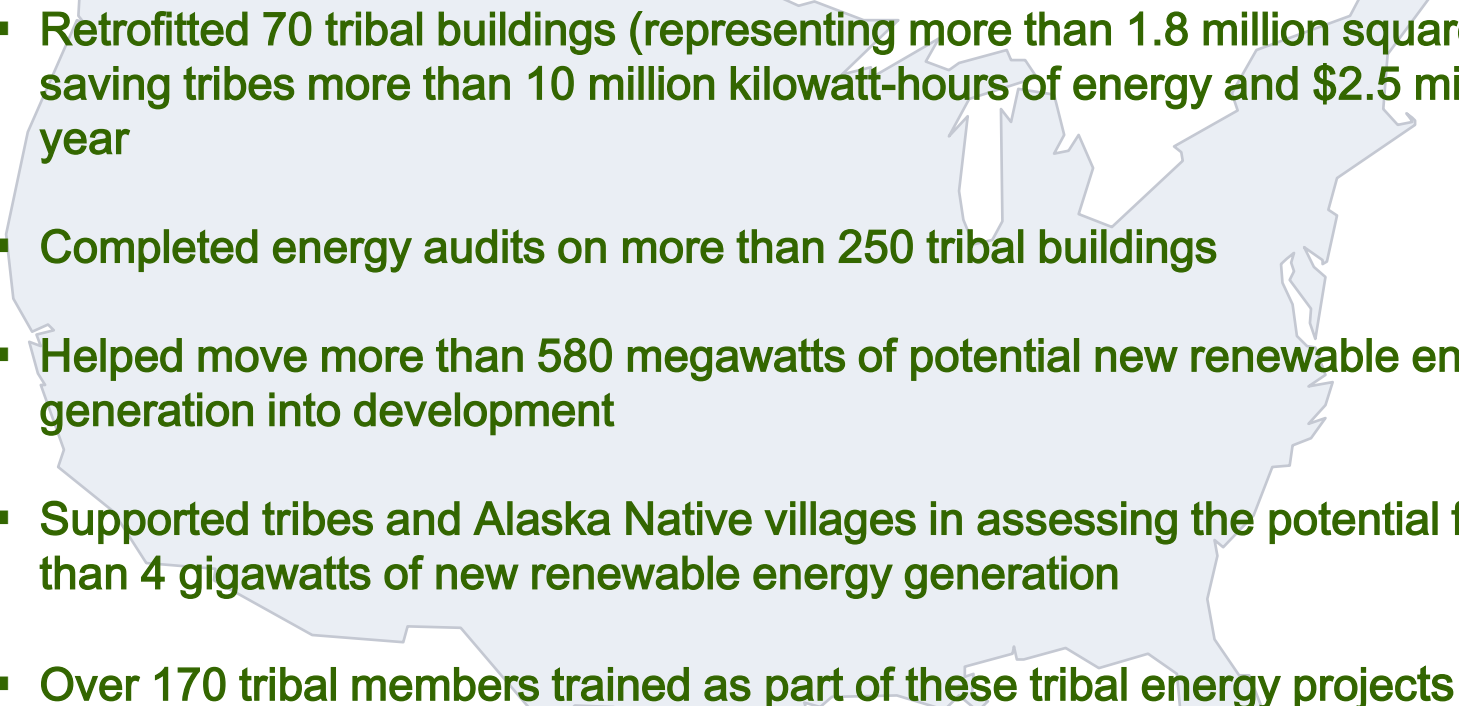
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Eleven Tribal Energy Projects Valued at Over \$12 Million Selected for Funding (2015)



Project Accomplishments

Return on DOE's \$48 Million Investment

- 
- Retrofitted 70 tribal buildings (representing more than 1.8 million square feet), saving tribes more than 10 million kilowatt-hours of energy and \$2.5 million per year
 - Completed energy audits on more than 250 tribal buildings
 - Helped move more than 580 megawatts of potential new renewable energy generation into development
 - Supported tribes and Alaska Native villages in assessing the potential for more than 4 gigawatts of new renewable energy generation
 - Over 170 tribal members trained as part of these tribal energy projects

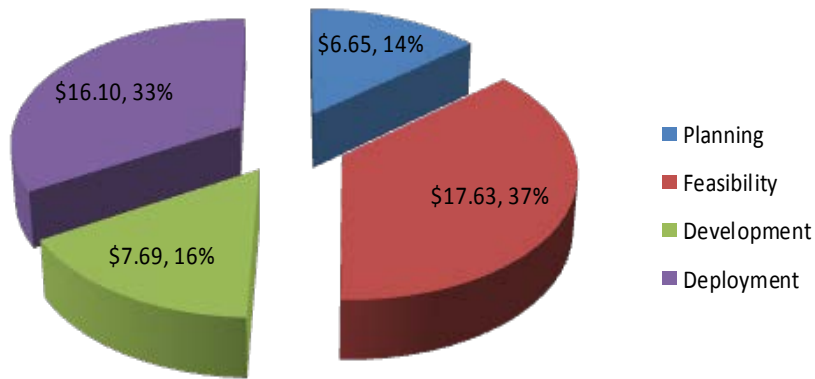
Leveraged by \$45.6 million in tribal cost share



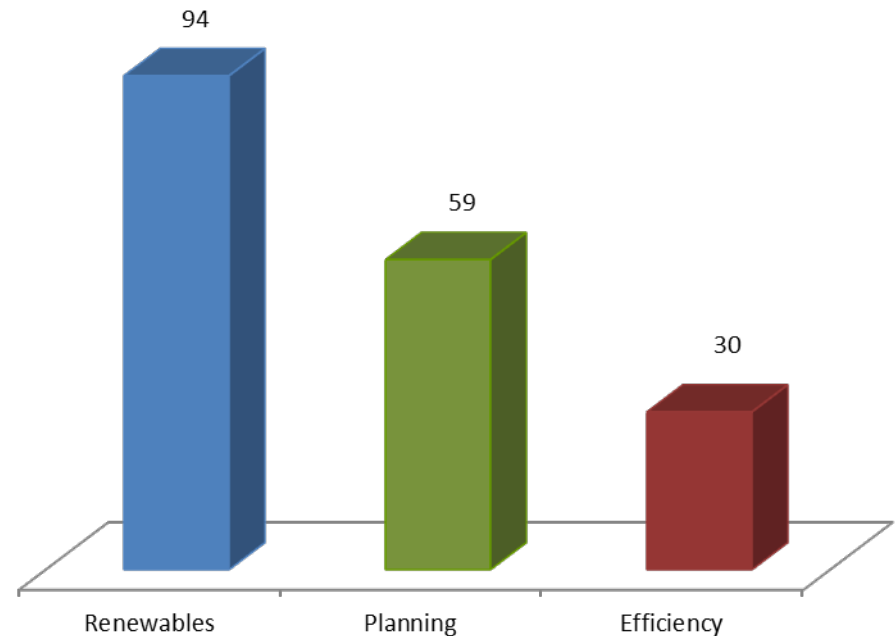
Tribal Energy Project Pipeline

DOE'S Investment of \$48 Million in 183 Tribal Energy Projects (2002-2014)

DOE Investment (\$M) by Award Type

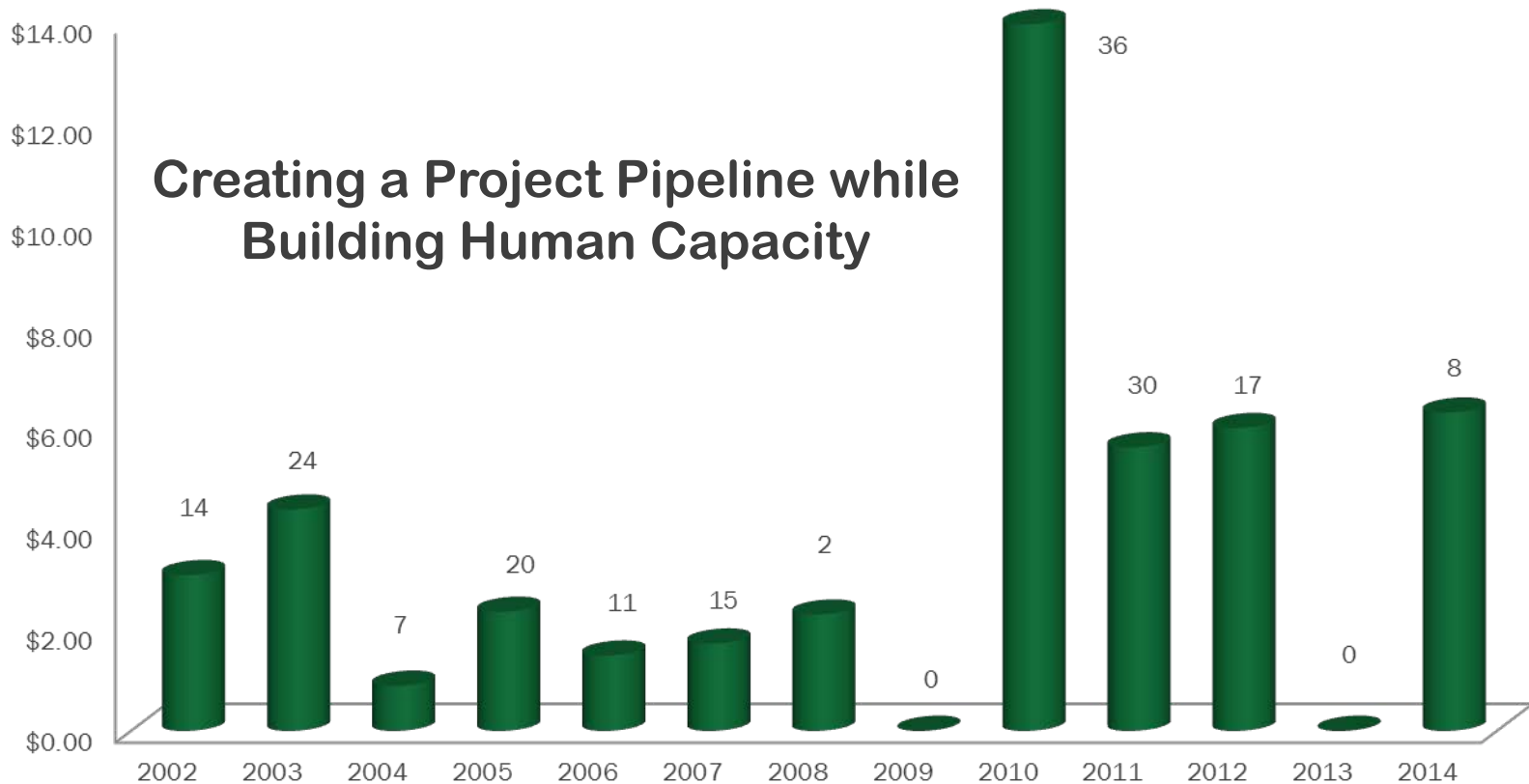


Investing in Tribal Clean Energy



Funded 22.8% of All Tribes (2002-2014)

Tribal Energy Project Pipeline



* FY2009 and FY2013 funds carried forward and used the next year to make awards.

Investing in Tribal Energy Sufficiency



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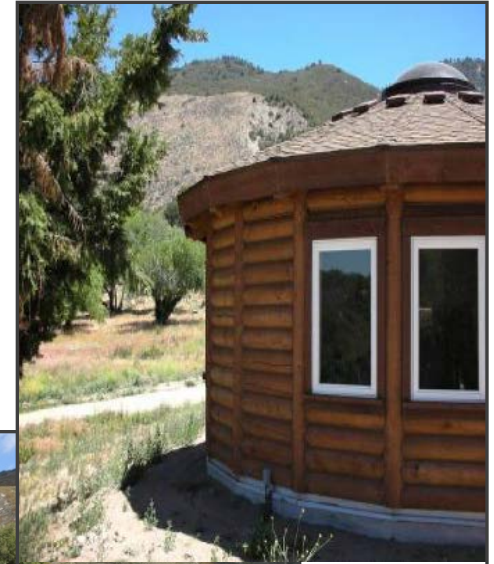
Project Accomplishments

Renewable Energy Deployment in Indian Country



Tonto Apache Tribe
Solar photovoltaic
systems installed on
their government
buildings (AZ)

Ramona Band (CA)
Renewable Powered
Eco-tourism Project



Project Accomplishments

Renewable Energy Deployment in Indian Country

Chaninik Wind Group's
Thermal Heating Project (AK)



Assiniboine & Sioux Tribes
installed two
50 kW wind
turbines on the
Fort Peck
Reservation
(MT)



**Council of Athabascan
Tribal Government (CATG)**
Biomass Heating Project in
Fort Yukon (AK)



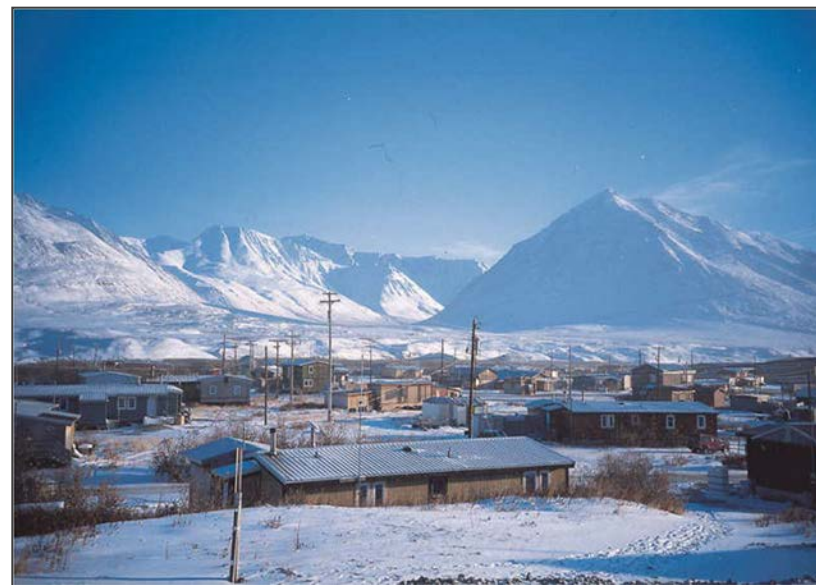
Project Accomplishments

Deployment to Save Energy for the Future

Alaska Native Tribal Health Consortium (Selawik, AK) upgraded sanitation facilities 45% energy savings and \$146,719 annually



Yukon River Inter-Tribal Watershed Council (YRITWC) installing energy efficiency measures for the Nunamiut people of Anaktuvuk Pass to reduce energy use by 34%



Forest County Potawatomi Community retrofitted Wunder Hall, a historic building on Concordia Campus (WI) for 55% reduction in electricity and 58% reduction natural gas



Program Website

Celebrating Tribal Successes

Tribal Energy Program

Tribal Energy Program

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Tribal Energy Program Success Stories

Indian tribes and Alaska Native villages have leveraged Tribal Energy Program funding and technical assistance to implement a variety of energy efficiency and renewable energy projects on tribal lands. Their success stories are highlighted below.

Nez Perce Tribe Energy-Efficient Facilities Upgrade



Utilizing \$67,000 of EERE's Tribal Energy Program funding, energy-efficiency upgrades were installed in five Nez Perce Reservation buildings that house a large portion of the Nez Perce Tribe's governing entities. [Read the full story.](#)

Clean Energy Projects Helping Wisconsin Tribe Achieve Sustainability Goals



Several clean energy projects are helping the Forest County Potawatomi Community in Milwaukee achieve its mission of preserving the environment for future generations. The projects feature multiple energy efficiency and renewable energy technologies and are part of the Forest County Potawatomi Community's project Greenfire, which ultimately aims to eliminate the tribe's carbon footprint and provide carbon-free energy to others in the region. [Read the full story.](#)

Learn More

Read about other tribal energy [projects](#).

View presentations from the annual [Tribal Energy Program Review](#), which features project status updates from Tribal Energy Program grantees.

Resources

Funding, Technical Assistance, and RFP

Tribal Energy Program

Tribal Energy Program

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Funding, Technical Assistance and Renewable Energy Credits

Here you'll find information on technical assistance, funding, and renewable energy credits for tribal energy projects from a variety of U.S. Department of Energy (DOE) and federal government programs. To explore current opportunities available to tribes, click on the titles of the solicitations in the table below.

Opportunity	Close Date
HUD Community Compass Technical Assistance and Capacity Building Program <p>The U.S. Department of Housing and Urban Development (HUD) is accepting applications for approximately \$44.9 million for Community Compass, HUD's integrated technical assistance and capacity building initiative. The goal of the initiative is to equip HUD's customers with tools, skills, and knowledge to ensure effective program delivery and efficient stewardship of federal funds. Eligible applicants include state, county, city, and tribal governments; nonprofits; higher education institutions; small businesses; and for profit organizations.</p>	09/25/15
Duke Energy Carolinas and Duke Energy Progress RFP <p>Duke Energy Carolinas and Duke Energy Progress are soliciting proposals for solar photovoltaic generation capacity located in and directly interconnected to their retail service areas in South Carolina. This request for proposals (RFP) is to procure solar PV renewable energy capacity and all associated renewable attributes and seeking approximately 40 MW AC and 13 MW AC of nameplate solar photovoltaic capacity.</p>	10/13/15
Community Development Block Grant Program <p>The U.S. Department of Housing and Urban Development (HUD) is accepting applications to develop of viable Indian and Alaska Native communities, including the creation of decent housing, suitable living environments, and economic opportunities primarily for persons with low- and moderate-incomes. Applicants can use these funds to develop head start facilities, Boys and Girls Clubs, recreation centers, and job training programs.</p>	10/14/15

www.eere.energy.gov/tribalenergy

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Resources

Federal Grant, Loan, and Technical Assistance Programs

FEDERAL GRANT, LOAN, AND TECHNICAL ASSISTANCE PROGRAMS FOR TRIBAL ENERGY DEVELOPMENT

The Federal Energy Development Assistance tool provides information for Tribes about federal grant, loan, and technical assistance programs available from more than 10 federal agencies to support energy development and deployment in Indian Country and Alaska Native villages.

Sort information by type of assistance, eligibility, agency or office, program name, or project phase—from [strategic energy planning](#) to any one of the five steps in the [project development and finance process](#)—or search by keyword. The tool was developed by the [White House Council on Native American Affairs Energy Subgroup](#). If you have questions, comments, or suggestions, [contact us](#).

For upcoming deadlines, see the [Funding Opportunities Calendar](#).

Search:

TYPE OF ASSISTANCE

- ☐ Education and capacity building
- ☐ Grants
- ☐ Information resources
- ☐ Loan and loan guarantee programs
- ☐ Tax credits
- ☐ Technical assistance

SEARCH RESULTS

Showing 1 to 10 of 63 entries

PROGRAM	AGENCY	DESCRIPTION	TYPE OF ASSISTANCE	ELIGIBILITY	PHASE
504 Loan Program	Small Business Administration	Provides growing businesses with long-term, fixed-rate financing for major fixed assets, such as land and buildings.	Loan and loan guarantee programs	Federally recognized Tribes and tribal governments; Alaska Native and tribal corporations; Alaska Native villages; Tribal universities, utilities, and other organized tribal groups; State-recognized-only Tribes; Tribal universities, utilities, and other organized tribal groups; Tribal nonprofit	Phase 1; Phase 4

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Assisting Tribes Achieve Their Energy Vision



Rosebud Sioux's (SD)
Little Soldier Turbine
First 750 kW Turbine on
Tribal Lands in the
Contiguous U.S.



Solar arrays on **Navajo** home (AZ)



Solar Installations at **Pueblo of Laguna's**
Majors Ranch (NM)

A 6kW PV System at **SIPI's** Science and
Technology Building (NM)



Jicarilla Apache Reservation PV
array on Dulce High School (NM)



Questions?

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Office of Indian Energy

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