

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY**

DOE's Tribal Energy Program



**Alaska Native Village Energy
Development Workshop**

April 30, 2014

**Lizana Pierce, Project Manager
U.S. DOE, Tribal Energy Program**



Three Pronged Approach

**Financial
Assistance**

*Success through
Government-to-
Government
Partnerships*

**Technical
Assistance**

*Leveraged through
Intergovernmental
Coordination*

Information & Education

*Leveraged with Intra-
governmental
Coordination*



Providing Financial Assistance

Providing financial and technical assistance to Tribes for the evaluation, development, and deployment of renewable energy resources and energy efficiency on Tribal lands

Eligibility:

Federally-recognized Tribes including Alaska Native villages or regional or village corporations, Tribal Energy Resource Development Organizations, and Tribal Consortia (two or more entities, at least one of which is an Indian Tribe and the application is submitted by the Tribe).



Tribal Lands include Indian reservations; Public domain Indian allotments; Former Indian reservations in Oklahoma; Land held by under the provisions of the Alaska Native Claims Settlement Act (43 U.S.C. 1601 et seq.); and Lands held in fee simple or under a long-term Federal land lease.

All Funds Awarded through a Competitive Process



FY2014 Financial Assistance

Financial Assistance to Spur Deployment in Indian Country

- To foster a more holistic engagement by the Department with Tribes, the **Tribal Energy Program** is coordinating with DOE's **Office of Indian Energy Policy and Programs** to develop funding opportunities and provide technical assistance to Tribes.
- The 2014 Funding Opportunity Announcements (FOA), will continue DOE Tribal Energy Programs' efforts to promote tribal energy sufficiency and to spur increased clean energy deployment on Indian lands.
- The 2014 FOA's will focus on the **deployment** of clean energy and energy efficiency technologies to provide power or heat or reduce energy consumption in tribal homes or buildings, and for community or commercial-scale clean energy deployment

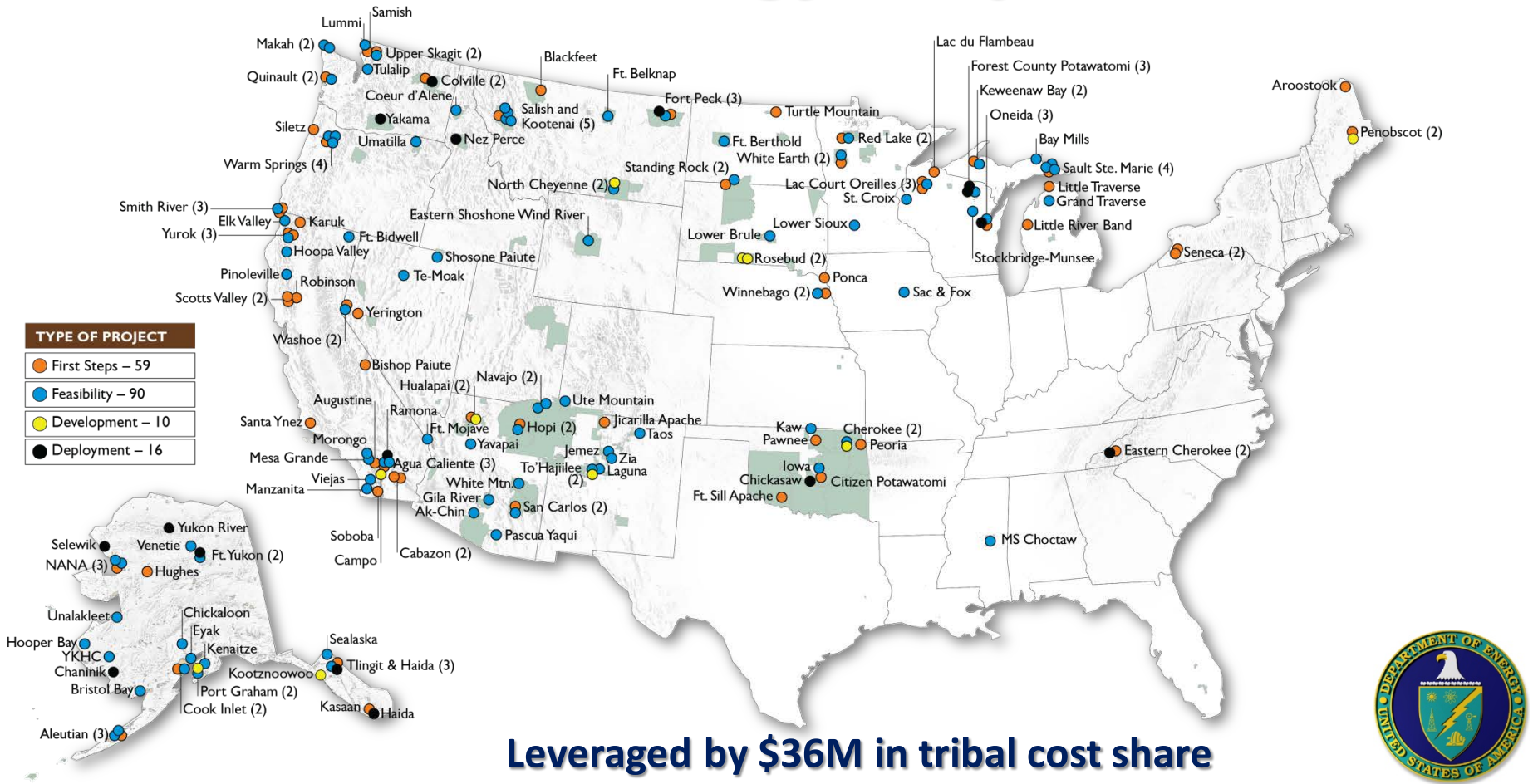


Solar arrays on home on the Navajo Nation

Coming Soon
To be notified, once issued, sign up for our emails



DOE has Invested \$41.8 Million in 175 Tribal Energy Projects (2002-2012)



Leveraged by \$36M in tribal cost share



Other Funding Opportunities



Funding Opportunities for Tribes ▶

- New feature on the website that highlights hundreds of millions of dollars in funding opportunities available at a glance.
- Be sure to check frequently for the most complete and up-to-date listing of funding opportunities available to state, local, and tribal governments.

DOC Coastal Resilience Network

The Department of Commerce is supporting coastal communities to natural hazards to this announcement shall provide the natural environment, infrastructure a human or technical network in which communication, cooperation, coordination and local governments, small business and institutions of higher education.

ANA FY14 Funding Opportunities

The Administration for Children and Families (ACYF) 2014 funding opportunities. Areas: Environmental Remediation, Language Preservation and Maintenance, Employment, and Economic Development and 60 months. All ANA community provides [training and technical assistance](#) implementation and reporting. For Children and Families [website](#).

EPA Pollution Prevention Information

The U.S. Environmental Protection Agency (EPA) provides regional and national pollution prevention information needs. Grantees determine audience needs and then supply quality information and training on source reduction and related pollution prevention practices. Grantees provide assistance and training to businesses whose lack of information may be an impediment to implementing source reduction, preventing pollution or adopting sustainable practices. Eligible entities include state governments, federally recognized tribes, the District of Columbia, the U.S. Virgin Islands, the Commonwealth of Puerto Rico, any territory or possession of the United States, any agency or instrumentality of a state, and state colleges and universities.

EPA FY2014 Brownfields Training, Research, and Technical Assistance Grants

The U.S. Environmental Protection Agency (EPA) announces the availability of funds and solicits proposals from eligible entities, including nonprofit organizations, to conduct research, or provide technical assistance to communities facing Brownfields cleanup and revitalization challenges.

- Focus areas of this announcement include:
- Technical assistance to environmental workforce development and job training grantees
- Technical assistance on the integration of environmental justice and equitable development for brownfields-

The screenshot shows the Tribal Energy Program website interface. At the top, it features the U.S. Department of Energy logo and navigation links for Home, About, Projects, Education & Training, Clean Energy Development Guide, Technical Assistance, Financial Opportunities, Information Resources, and Events. A search bar is located in the top right corner. Below the navigation, there are sections for 'Past Opportunities', 'Related Opportunities', and 'Quick Links'. The main content area is titled 'Related Funding Opportunities' and includes a sub-section for 'Current Funding Opportunities for Tribes'. A table lists funding opportunities with columns for 'Funding Opportunity' and 'Close Date'. One entry is highlighted: 'FY14 Alaska Rural Business Enterprise Grants' with a close date of 04/10/14. The description for this grant mentions that the USDA Rural Development Office is accepting applications for the Rural Business Enterprise Grant (RBE) Program for Fiscal Year 2014, with a deadline of April 10, 2014.

See Funding Opportunities on the Tribal Energy Program Website or Receive Email Notifications



Providing Technical Assistance



Types of Technical Assistance

1) Strategic Energy Planning

Consists of a facilitated on-site session

2) Project Development Support

Consists of expert guidance and/or analysis to help address a specific need or barrier to a tribal clean energy project.



MARSHCREEK



National Renewable
Energy Laboratory (NREL)
Science & Technology
Facility and Solar Energy
Research Facility (SERF)



Assisting Tribes with expertise from DOE's
National Laboratories and Other Providers



Sandia
National
Laboratories

Technical Assistance Requests

- Eligibility: Federally recognized Indian tribes, bands, nations, tribal energy resource development organizations, and other organized groups and communities—including Alaska Native villages or regional and village corporations
- Offered within available resources
- The application process is a quick and easy on-line process
- The value of technical assistance for Tribes is typically limited to 40

U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy

EERE Home | Programs & Offices | Consumer Information

Tribal Energy Program

HOME ABOUT PROJECTS EDUCATION & TRAINING CLEAN ENERGY DEVELOPMENT GUIDE **TECHNICAL ASSISTANCE** FINANCIAL OPPORTUNITIES INFORMATION RESOURCES EVENTS

EERE » Tribal Energy Program » Technical Assistance

Technical Assistance

The Tribal Energy Program provides federally recognized Indian tribes, bands, nations, tribal energy resource development organizations, and other organized groups and communities—including Alaska Native villages or regional and village corporations—with technical assistance designed to advance renewable energy and energy efficiency projects.

Technical assistance is typically limited to 40 hours and may include, but is not limited to, the following priority areas:

- Strategic energy planning
- Grantee support
- Transmission interconnection

Apply for Technical Assistance

Use this online form to request technical assistance from the Tribal Energy Program for planning and implementing renewable energy efficiency projects.

To help us determine whether your request fits within the program's scope and can be addressed with available resources, please provide the information below and then click on "Submit Request."

Only requests from federally recognized Indian tribes, bands, nations, tribal energy resource development organizations, and other groups and communities—including Alaska Native villages or regional and village corporations—will be considered.

***Required**

Salutation*

First Name*

Last Name*

Title/Position*

Type of Affiliation*

Name of Affiliation*

Reservation Name or Location*

Address*

Address 2

Complete Request Form On-line at
www.eere.energy.gov/tribalenergy/tech_assistance.cfm



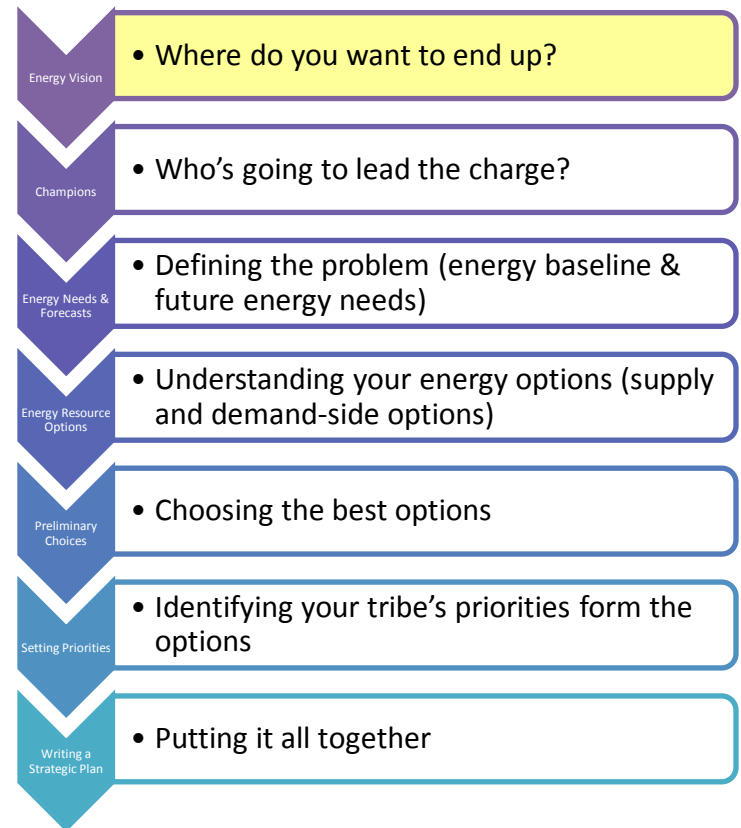
Technical Assistance

On-site workshop designed to assist tribal leaders and tribal staff in understanding their resources, identifying their options, and developing a viable road map to successful completion of the project.

- 1) Yankton Sioux Tribe (February 2014)
- 2) Delaware Tribe (September 2013)
- 3) Menominee Tribe (August 2013)
- 4) Klamath Tribes (July 2013)
- 5) Crow Creek Housing Authority (March 2013)
- 6) Fort Belknap Indian Community (June 2012)

**Additional Thirty-five (35) Strategic Energy Planning Sessions
2006-2011**

Strategic Energy Planning



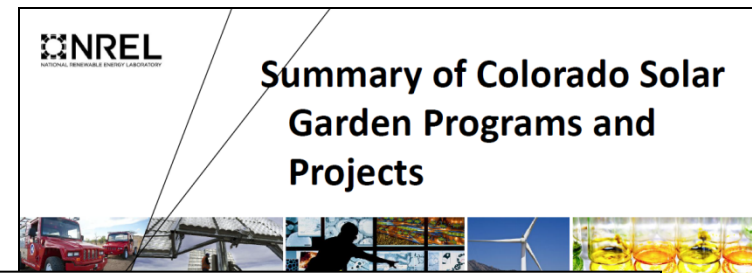
Technical Assistance

Project Development Support

Project development support consists of expert guidance and analysis that helps address specific barriers tribes face while developing a clean energy project.

Examples of project development technical assistance include:

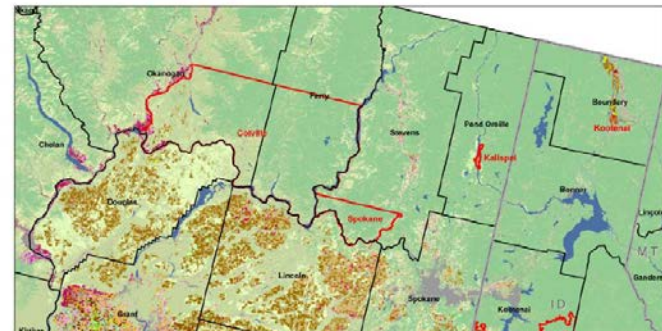
- Third-party independent reviews of transmission studies, financing structures, lease agreements, project reports, etc.
- Objective advice grounded in research and real-world experience on technologies
- Modeling and analysis (or assistance in using available modeling/analysis tools)
- Pre-feasibility transmission studies
- Interconnection agreement facilitation
- Economic evaluations
- System design reviews
- Other specific studies or analysis, upon request



Oilseed Crop Inventory for the Spokane Indian Tribe

Report prepared by Anelia Milbrandt, NREL
October 15, 2012

The Spokane Indian Tribe is located in eastern Washington State. The majority of the tribe's land is covered by evergreen forest with some pasture and shrubland (Figure 1). Cropland areas are located south and west of the tribe, illustrated by the mosaic pattern on the map. Various grains, legumes and orchards are grown in the area, as well as oilseeds.





Technical Assistance

Pre-feasibility Transmission Studies

- 1) Moapa Band of Paiutes (June 2009)
- 2) Utu Utu Gwaitu Paiute Tribe (Sept 2009)
- 3) Canoncito Band of Navajos, To'Hajiilee Chapter (March 2010)
- 4) Navajo Hopi Land Commission (May 2010)
- 5) Hualapai Tribe (July 2010)
- 6) Ute Mountain Ute Tribe (Feb 2011)
- 7) Chemehuevi Tribe (May 2013)
- 8) San Carlos Apache (May 2013)
- 9) Ione Band (November 2013)

Pre-feasibility Utility Formation Studies

- 1) San Ildefonso Pueblo (November 2013)
- 2) Nez Perce Tribe (December 2013)

Assessment of Electric Power Service Options, Including Solar Applications, for the Moapa Travel Center

Pre-Feasibility Assessment of Renewable Generation Applications, for NHLCO Paragon Ranch Solar

Pre-Feasibility Assessment of Renewable Generation Applications, For the Canoncito Band of Navajos (Tóhajiilee)

SAN ILDEFONSO PUEBLO



PRE-FEASIBILITY TRIBAL UTILITY REPORT
NOVEMBER 22, 2013

Questions?

Lizana Pierce, Project Manager

Tribal Energy Program

U. S. Department of Energy

Office of Energy Efficiency and
Renewable Energy

Telephone: (720) 356-1749

Email: lizana.pierce@go.doe.gov

To receive periodic email information
“**Join Our Email List**” on-line at
www.eere.energy.gov/tribalenergy

