

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

DOE's Tribal Energy Program



13th Annual Program Review

May 4, 2015

Lizana Pierce, Project Manager



Purpose

Promote Tribal energy sufficiency, and foster economic development and employment on Tribal lands through the use of renewable energy and energy efficiency technologies.



As authorized in Title V of the Energy Policy Act (EPAAct) and in cooperation with DOE's Office of Indian Energy Policy and Programs, the Tribal Energy Program provides financial and technical assistance to Tribes to develop their renewable energy resources and reduce their energy consumption.



Mission

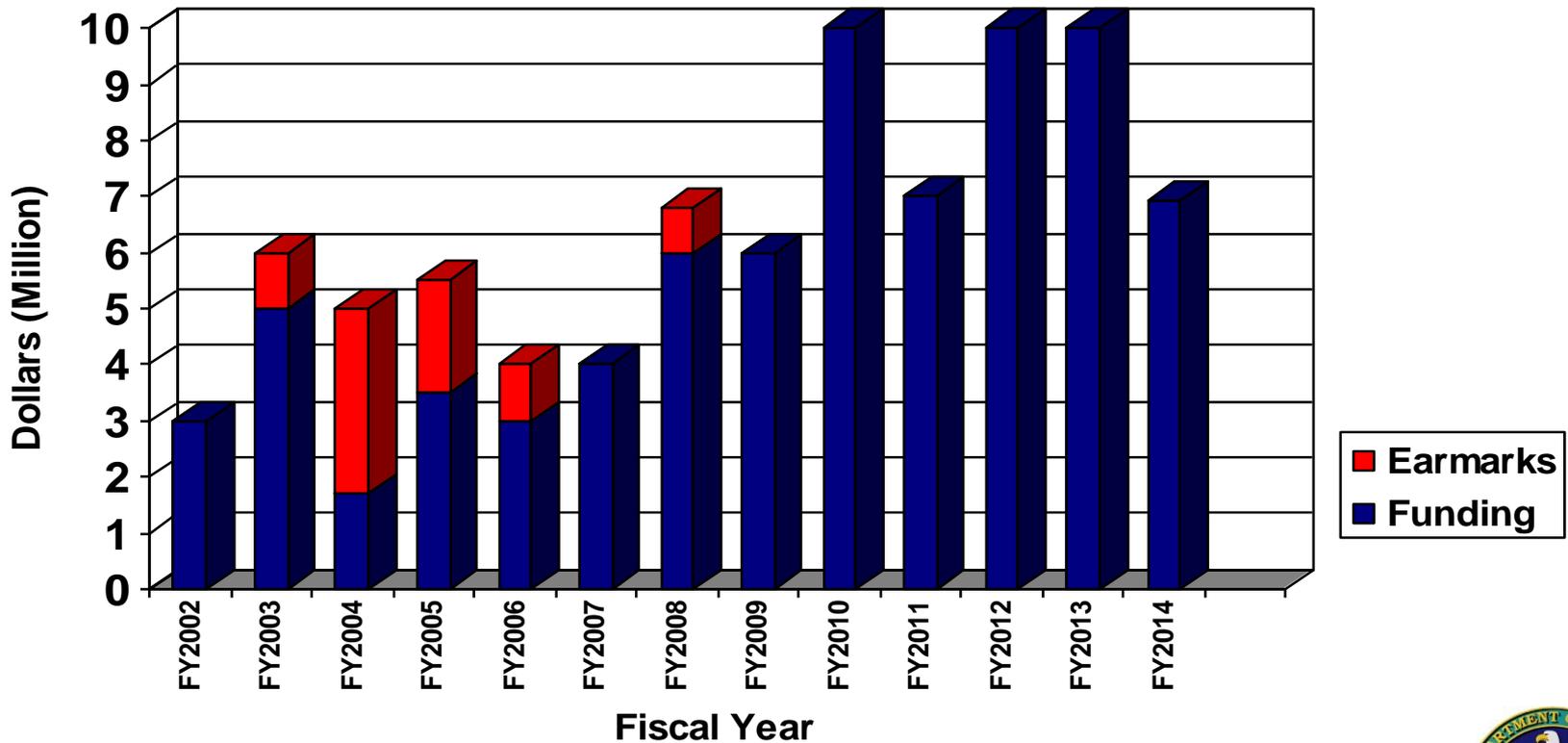


Offering financial and technical assistance to Tribes through government-to-government partnerships that:

- 1) Enable Tribal leaders to make informed decisions about energy choices;***
- 2) Bring renewable energy and energy efficiency options to Indian Country;***
- 3) Enhance human capacity through education and training;***
- 4) Improve local Tribal economies and the environment; and***
- 5) Make a difference in the quality of life of American Indians and Alaska Natives.***



Program Funding History



Averaged ~\$6.0 million per year





Tribal Energy Program Funding*

	FY2011	FY2012	FY2013	FY2014	FY2015
DOE Request	\$10.0	\$10.0	\$10.0	\$7.0	\$0.0
Appropriated Funds	\$7.0	\$10.0	\$9.42	\$6.9	\$0.0

Per the President's FY2015 Budget Request, \$0 million requested for Tribal Energy Program

Per the Request, "The Tribal Energy Program and its activities..... is proposed for consolidation into the Office of Indian Energy Policy and Programs."

* Amounts in Millions

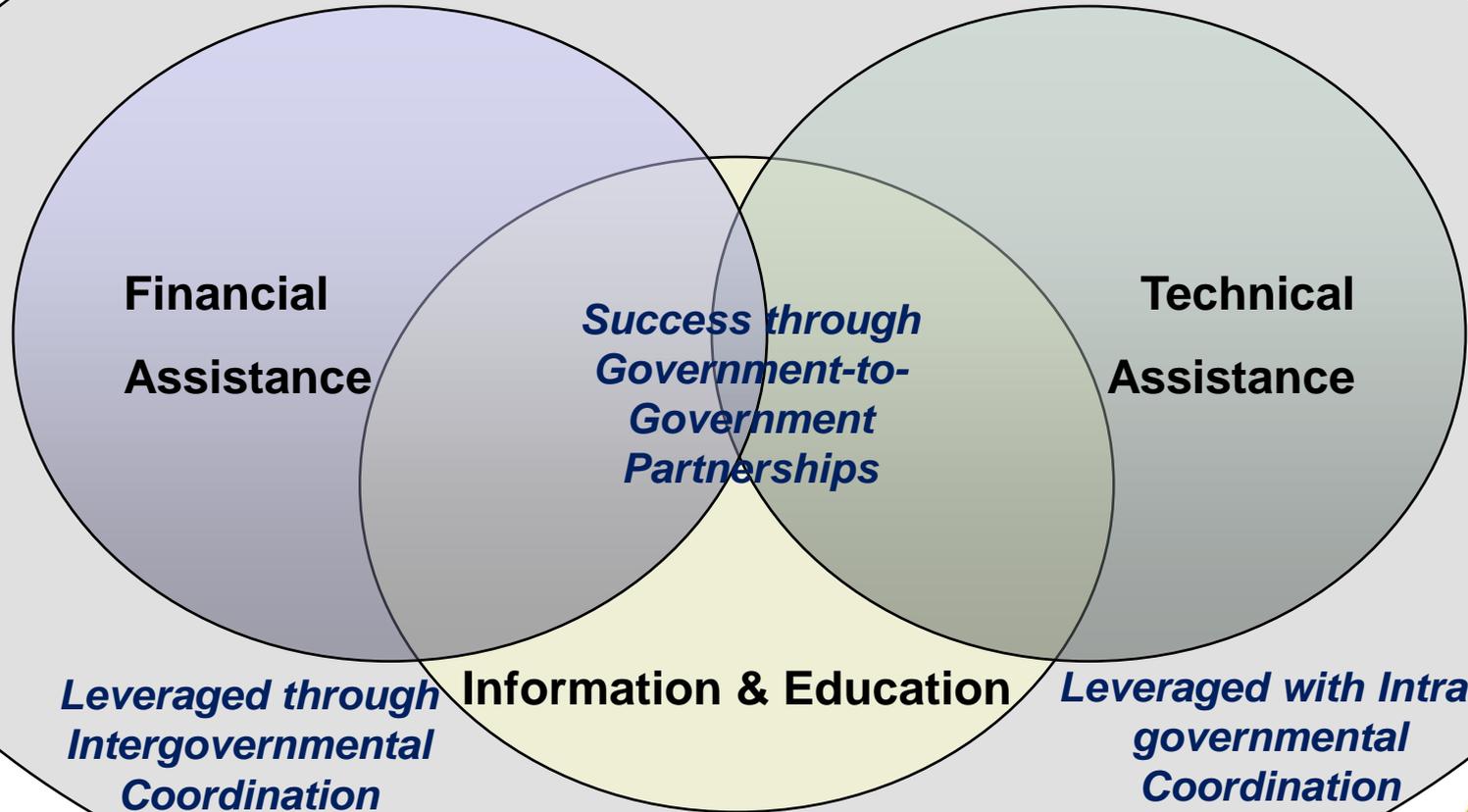


Transition

- Per the EPACT 2005, the Office of Indian Energy Policy and Programs (or Office of Indian Energy) was established with funding authorization through FY2016; and identified specific activities that are similar to those currently being conducted by the EERE Tribal Energy Program.
- The intent of the consolidation of Indian programs under one Office, is to provide Tribes with a one-stop shop for developing and managing their energy resources in an “all of the above” energy strategy.
- The President’s FY2015 budget requested, and the appropriation bill approved, that the Tribal Energy Program and activities be consolidated into the Office of Indian Energy in Fiscal Year 2015.
- Activities associated with the Tribal Energy Program are being transferred now. Shortly, all tribal specific funding and technical assistance will be exclusively through the Office of Indian Energy.
- Both offices are working collaboratively for a smooth transition.



Three Pronged Approach



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

Eligibility Applicants:

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

“**Tribal Organizations**” or “**Inter-tribal Organizations**” may apply on behalf of an Indian Tribe, provided evidence of authority from the eligible Indian Tribe is provided.

All Funds Awarded through a Competitive Process



Providing Financial Assistance

“**Tribal Organizations**” or “**Inter-tribal Organizations**” may apply on behalf of an Indian Tribe, provided evidence of authority from the eligible Indian Tribe is provided.

“**Tribal Organization**,” means any legally established organization of an Indian Tribe, which is controlled, sanctioned, or chartered by the recognized governing body of that Indian Tribe.

A “**Tribal Organization**” may include, but is not limited to, a subsidiary, subdivision, or instrumentality of an Indian Tribe, established under Congressional, State or Tribal law to act on behalf of an Indian Tribe.

Applications may be submitted by an authorized “**Tribal Organization**”, provided evidence of the authority to submit an Application, relative to the proposed project, is supplied as part of the Application. Evidence may include, but is not limited to, a constitution, resolution, ordinance, executive order, charter or other legal documentation. EERE will determine the sufficiency of the authorization based on the evidence submitted as part of an Application for funding.

All Funds Awarded through a Competitive Process



Providing Financial Assistance

“**Tribal Organizations**” or “**Inter-tribal Organizations**” may apply on behalf of an Indian Tribe, provided evidence of authority from the eligible Indian Tribe is provided.

“**Inter-Tribal Organization**,” for purposes of this announcement, means any organization comprised of *two or more* Indian Tribes, established under Congressional, State, or Tribal law to act on behalf of the participating Indian Tribes.

“**Inter-Tribal Organizations**” may include, but are not limited to, inter-tribal councils, regional tribal organizations or associations, and tribal federations.

Applications may be submitted by an authorized “**Inter-Tribal Organization**”, provided evidence of the authority to submit an Application, relative to the proposed project, is supplied as part of the Application. Evidence may include, but is not limited to, a resolution, ordinance, executive order, charter, P.L. 93-638 contract, self-governance compact, or other legal documentation. EERE will determine the sufficiency of the authorization based on the evidence submitted as part of an Application for funding.

All Funds Awarded through a Competitive Process



Providing Financial Assistance



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 (ANCSA) (43 U.S.C. 1601 et seq.); **Lands held in fee simple (owned), under a long-term (20 years) Federal land lease; and Land held under the provisions of ANSCA and subsequently conveyed to either a Native village or Tribal government or held, invested and managed for and on behalf of a Native village or Tribal governmental entity.**

All Funds Awarded through a Competitive Process



Competitive Process (2002-2015)

Accomplishments *

- **18 Funding Opportunities Announcements issued**
- **Total of 658 applications accepted** (valued at \$364 million)
- **86% of all meritorious applications funded** (Total of 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)

* Including the 11 pending awards.



FY2014 Financial Assistance

Financial Assistance to Spur Deployment in Indian Country

Deployment of Clean Energy and Energy Efficiency Projects on Indian Lands (DE-FOA-0001021)

- **Topic Area 1: Install clean energy and energy efficiency retrofit projects for tribal buildings**
 - Facility-scale
 - 15% of single energy source displaced
 - 10 kW minimum for clean energy systems only
- **Topic Area 2: Deploy clean energy systems on a community-scale**
 - Community-scale
 - 20% of all energy sources
 - 50 kW minimum



Solar arrays on home on the Navajo Nation

See Tribal Energy Program website for copies of past Funding Opportunity Announcements and Join Email List for Future Notifications



DOE Announced March 18, 2015

Eleven Tribal Energy Projects Selected for Award

ENERGY.GOV

Office of Energy Efficiency & Renewable Energy

EERE News

MARCH 18, 2015

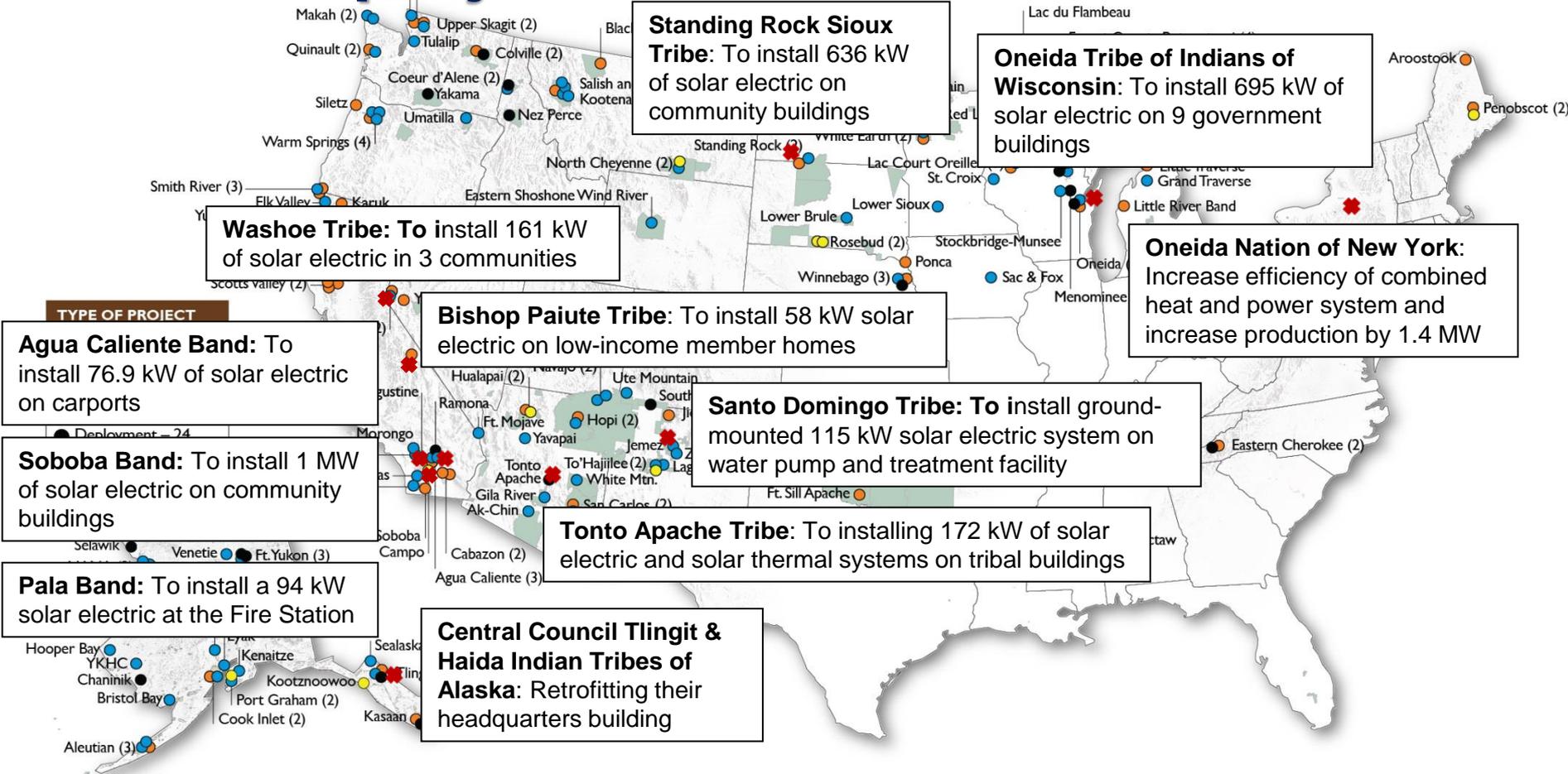
Energy Department Selects 11 Tribal Communities to Deploy Energy Efficiency and Renewable Energy Technologies

The U.S. Department of Energy announced today that 11 tribal communities will receive nearly \$6 million to accelerate the implementation of renewable energy and energy efficiency technologies on tribal lands.

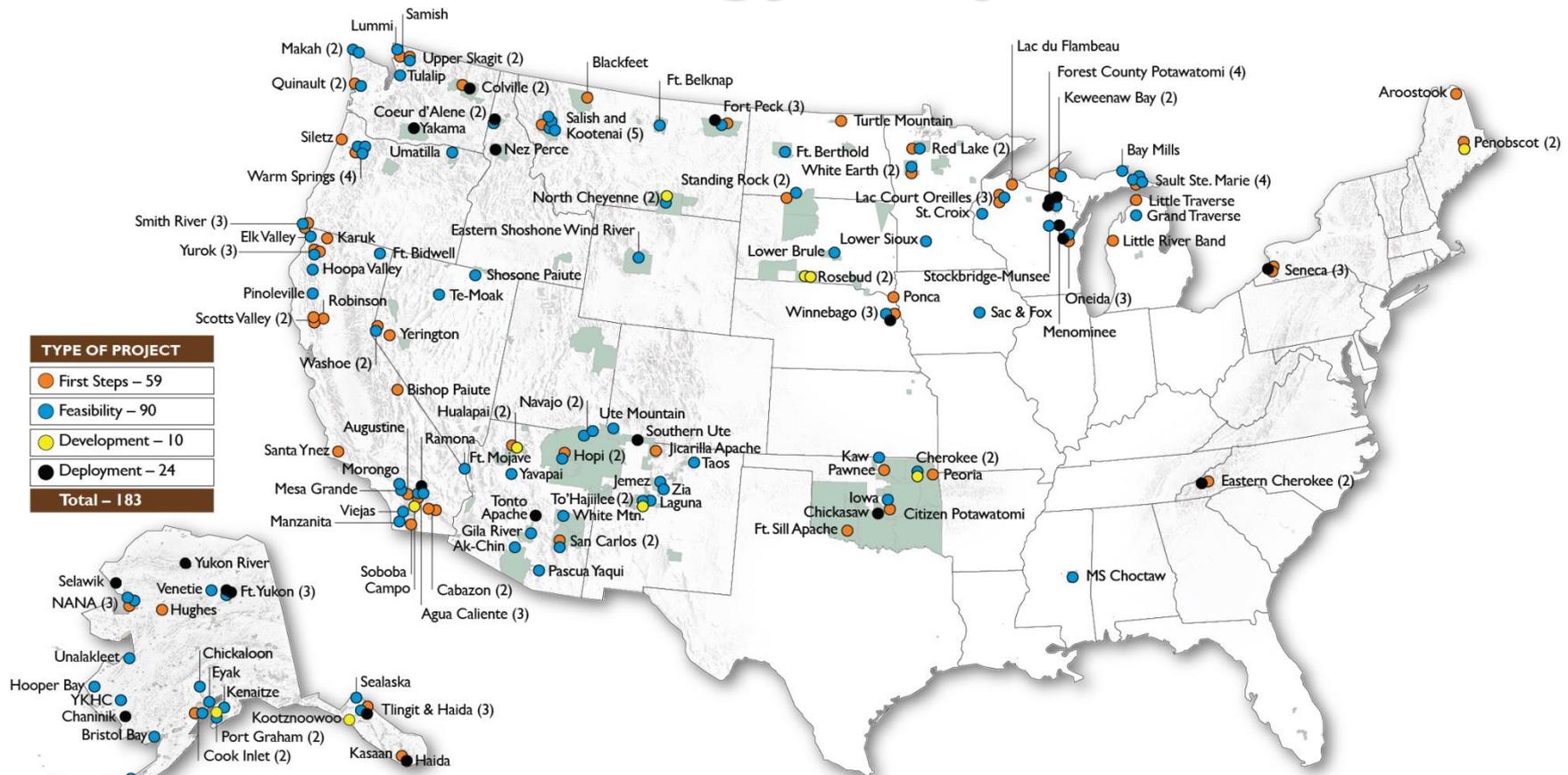
As part of the Obama Administration's commitment to partner with Tribal Nations, these projects provide Indian Tribes and Alaska Native villages clean energy options that will reduce fossil fuel use and save money. With tribal renewable energy resources comprising approximately five percent of all U.S. renewable energy resources, these facility- and community-scale projects support national energy goals to strengthen tribal energy self-sufficiency, create jobs and further economic development.

[Full story](#)

Awards pending for eleven tribal energy projects valued at \$6 million



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

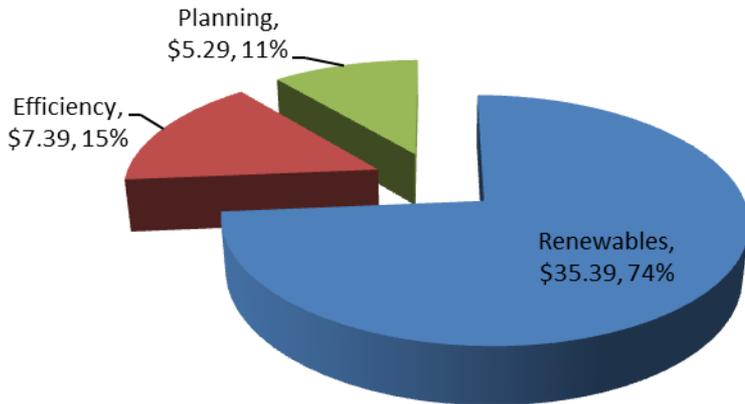


Leveraged by \$45.6 million in tribal cost share

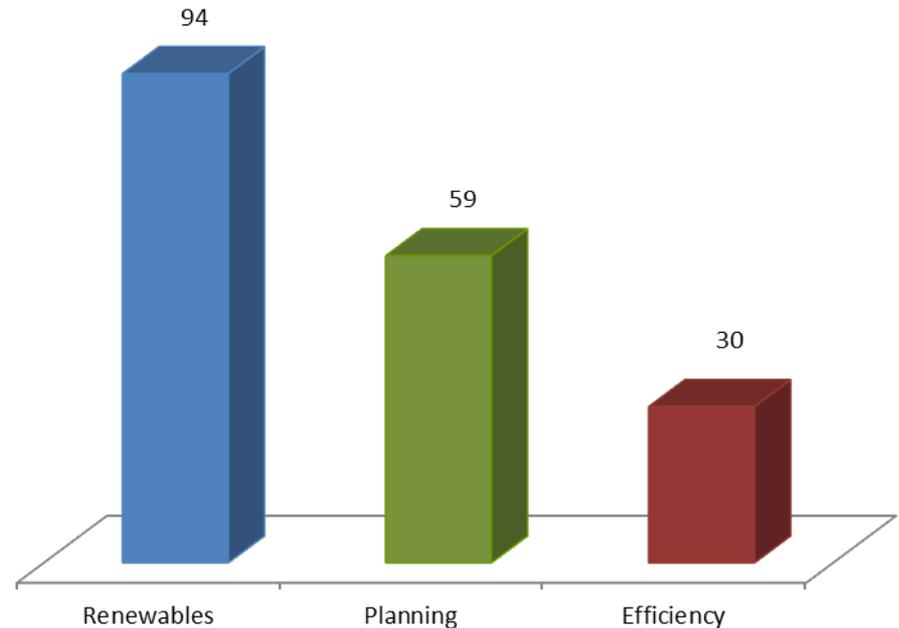
Tribal Energy Project Pipeline

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

AWARD FUNDING BY TYPE (\$M)



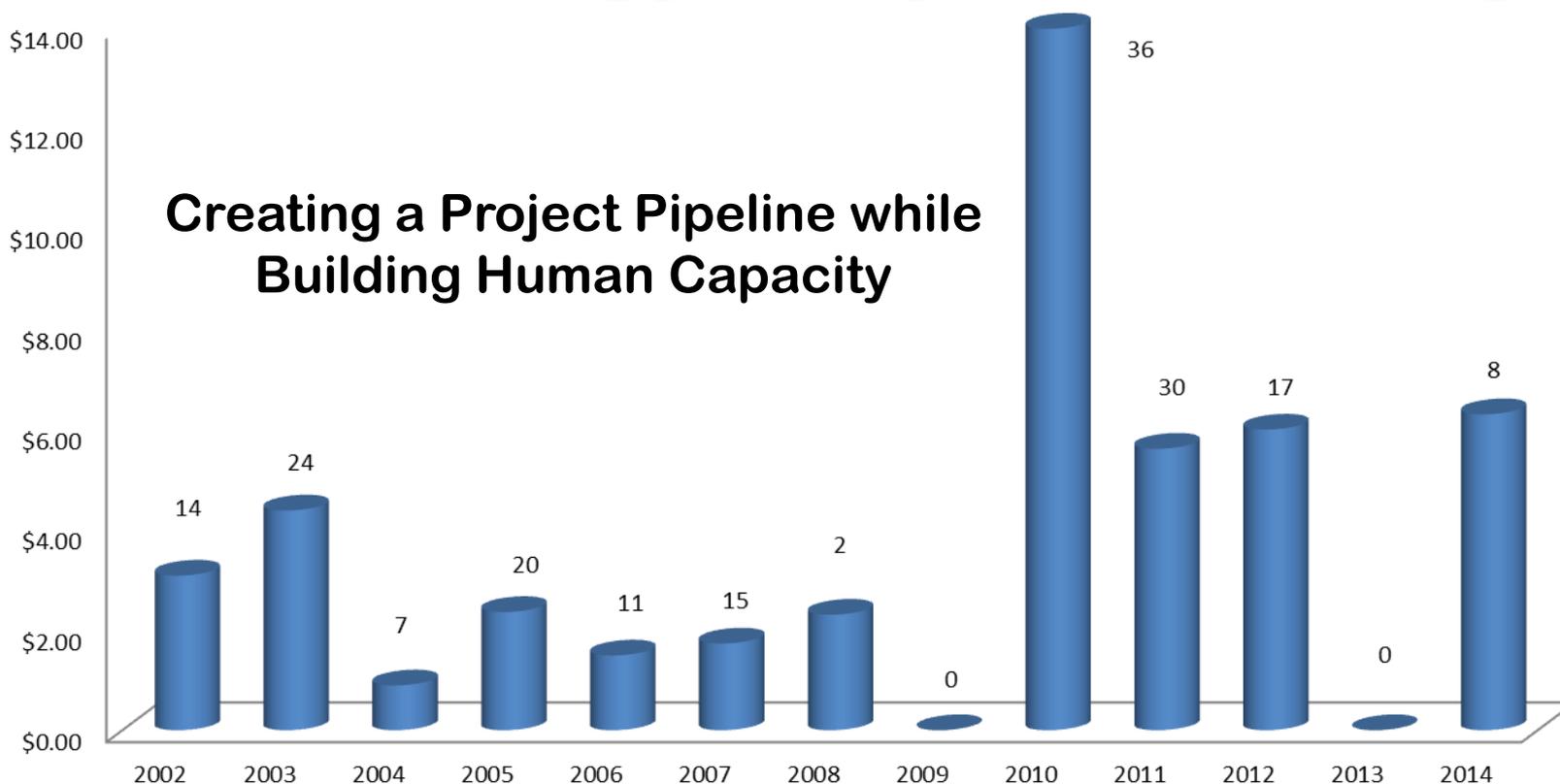
Investment in Tribal Clean Energy



Funded 22.8% of All Tribes (2002-2014)



Tribal Energy Project Funding



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

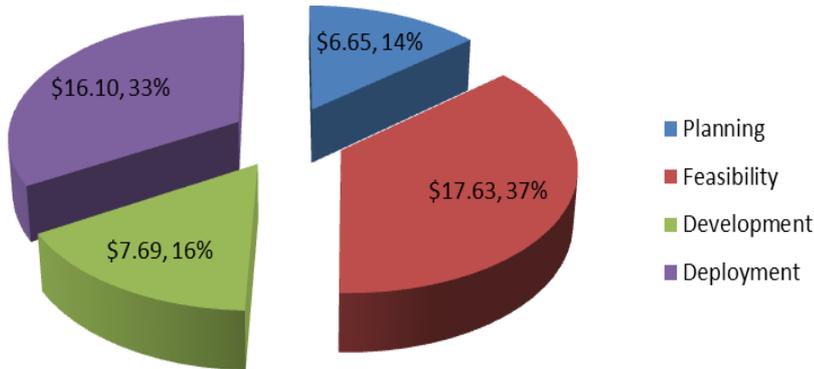
Investment in Tribal Energy Sufficiency



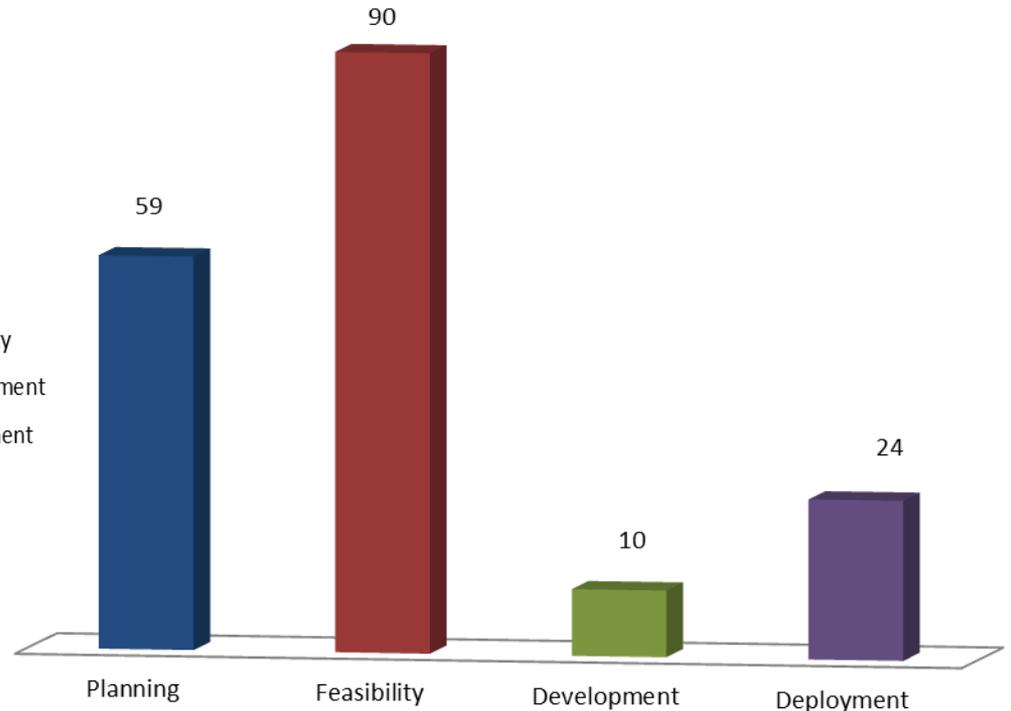
Tribal Energy Project Pipeline

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

DOE Investment (\$M) by Award Type



Clean Energy Projects in Various Stages of Development



Assisting Tribes Fulfill Their Energy Vision



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 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



Project Accomplishments

Renewable Energy Deployment in Indian Country



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

**Renewable Energy
Deployment Projects**

Ramona Band (CA)
Renewable Powered
Eco-tourism Project



Project Accomplishments

Renewable Energy Deployment in Indian Country

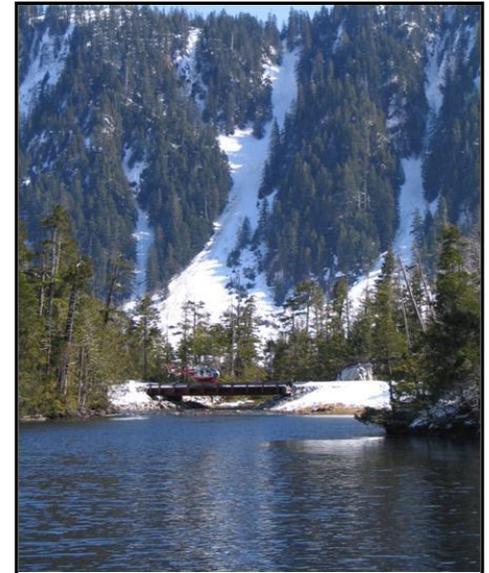
Renewable Energy Deployment Projects (Continued)



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



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



Haida Corp's Reynolds Creek Hydro Project in Angoon (AK)



Project Accomplishments

Renewable Energy Deployment in Indian Country

Renewable Energy Deployment Projects



Chaninik Wind Group's
Thermal Heating Project (AK)



Chaninik Wind Group (AK) reduced the consumption of fossil fuel by 30% at the power plant and reduced heating fuel use by 30% in tribal homes in three Lower Kuskokwim Alaska villages.

The project installed 78 electric thermal storage (ETS) units and controls in order to use excess wind energy to heat homes.

It was estimated that the average homeowner consumes 766 gallons of heating fuel at a cost of over \$6.24 per gallon (2013). At a 30% reduction, this means savings of \$111,850 per year.



Project Accomplishments

Deployment to Save Energy for the Future

Building Retrofit (Deployment) Projects



Lighting upgrades could save the **Chickasaw Nation** (OK) \$180,000 per year



Forest County Potawatomi Community retrofitted Wunder Hall, a historic building on Concordia Campus (WI)

Forest County Potawatomi Community installed 1,664 new LED lights for a 54% reduction in energy use (WI)



Project Accomplishments

Deployment to Save Energy for the Future

Building Retrofit (Deployment) Projects



Nez Perce Tribe (ID) installed windows, insulation, and efficient lighting in 5 tribal buildings (54,312 square feet total) including the Water Resources Office and PiNeeWaus Gym shown below.

Retrofits estimated to reduce energy use by 35% and save \$13,800 per year.

Project completed in alignment with the Tribe's Strategic Energy Plan which was developed with Technical Assistance from the Tribal Energy Program.



Project Accomplishments

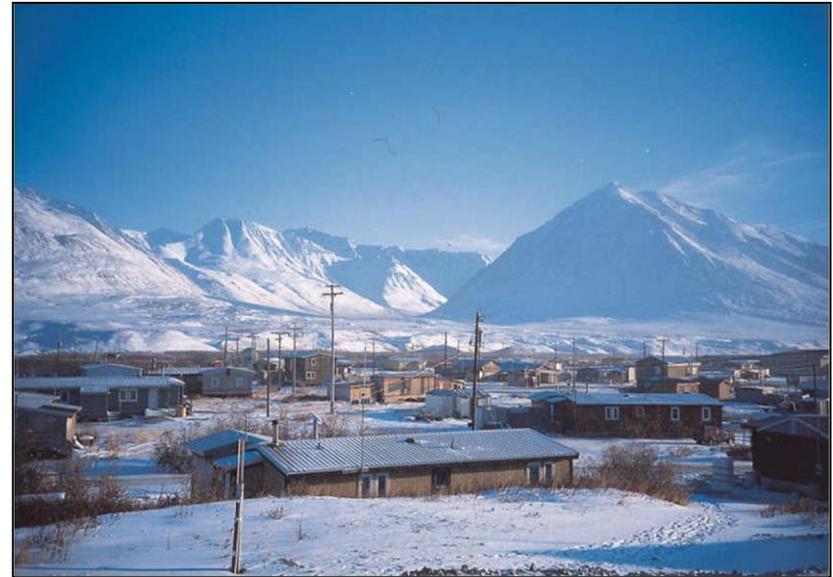
Deployment to Save Energy for the Future

Building Retrofit (Deployment) Projects (Continued)

Alaska Native Tribal
Health Consortium
(Selawik, AK) will
upgrade sanitation
facilities



Central Council Tlingit &
Haida Indian Tribes of Alaska
(CCTHITA) retrofitting four
buildings for projected annual
savings of \$52,271 (AK)



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



Project Accomplishments

Renewable Energy Development

Renewable Energy Development Projects

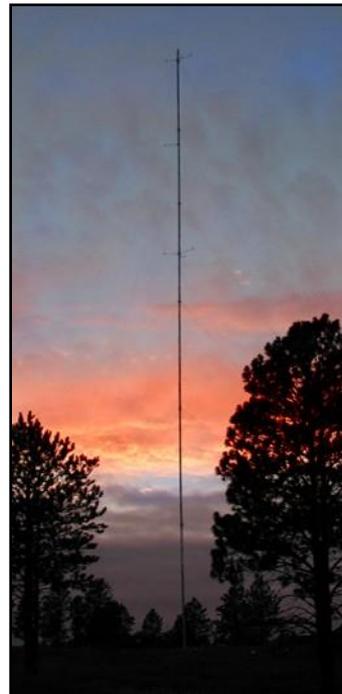


Campo Band's Wind Farm
DOE funding Phase II
(160 MW)

Hualapai (AZ) Exploring
"large-scale" solar and wind
development



Northern Cheyenne Tribe
completed wind feasibility
study and began pursuing
wind 30MW wind farm
(anemometer at sunset, MT)



Rosebud Sioux's (SD) Little Soldier
Turbine - Pursuing a 30 MW and 190
MW Wind Farm

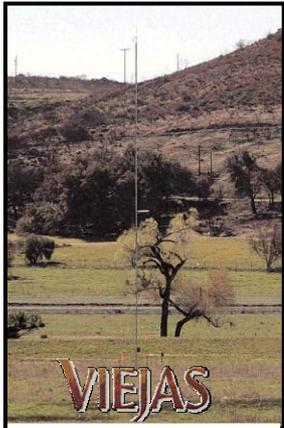


Project Accomplishments

Assessing Indigenous Resources

Renewable Energy Feasibility Study Projects

Kaw Nation
Wind Resource
Assessment (OK)



TRIBAL GOVERNMENT

Viejas Tribal
Government
Tribal Utility and
Wind Study (CA)

Pueblo of Jemez Geothermal
Feasibility Study (NM)



Three Affiliated Tribes Wind
Feasibility Study (ND)



**Makah
Indian
Nation**
Wind
Feasibility
Study (WA)



**St. Croix
Chippewa**
Biomass
Study (WI)



Project Accomplishments

Assessing Indigenous Resources

Energy Efficiency Feasibility Studies (Energy Audits)



Sault Ste Marie's Tribal Health Clinic and Community Center, one of 45 buildings which will have energy audits (MI)

Oneida Nation's Housing Authority will conduct energy audits on 44 buildings (WI)



Tlingit Haida Regional Housing Authority (THRHA) to conduct energy audits on over 50 buildings in Southeast Alaska (AK)



Project Accomplishments

Planning for the Energy Future

“First Steps” Grants

- Human capacity grants,
- Strategic Energy planning,
- Energy organization development, and
- Energy options (pre-feasibility)

Seneca Nation
conducted strategic
energy planning (NY)



**Cabazon Band of
Mission Indians**
Energy Plan (CA)



San Carlos Apache
conducting an energy options
analysis (AZ)

Ponca Tribe
conducting an energy
analysis and
conducting community
awareness under their
“Project Earth Lover”
Campaign (NE)



Building Local Skills and Knowledge

Over 170 Tribal Members Trained

Keweenaw Indian Community trained members in weatherization: 9 energy auditors; 8 envelop professionals; and 38 air sealing insulation installers. Logo contest winner shown above.



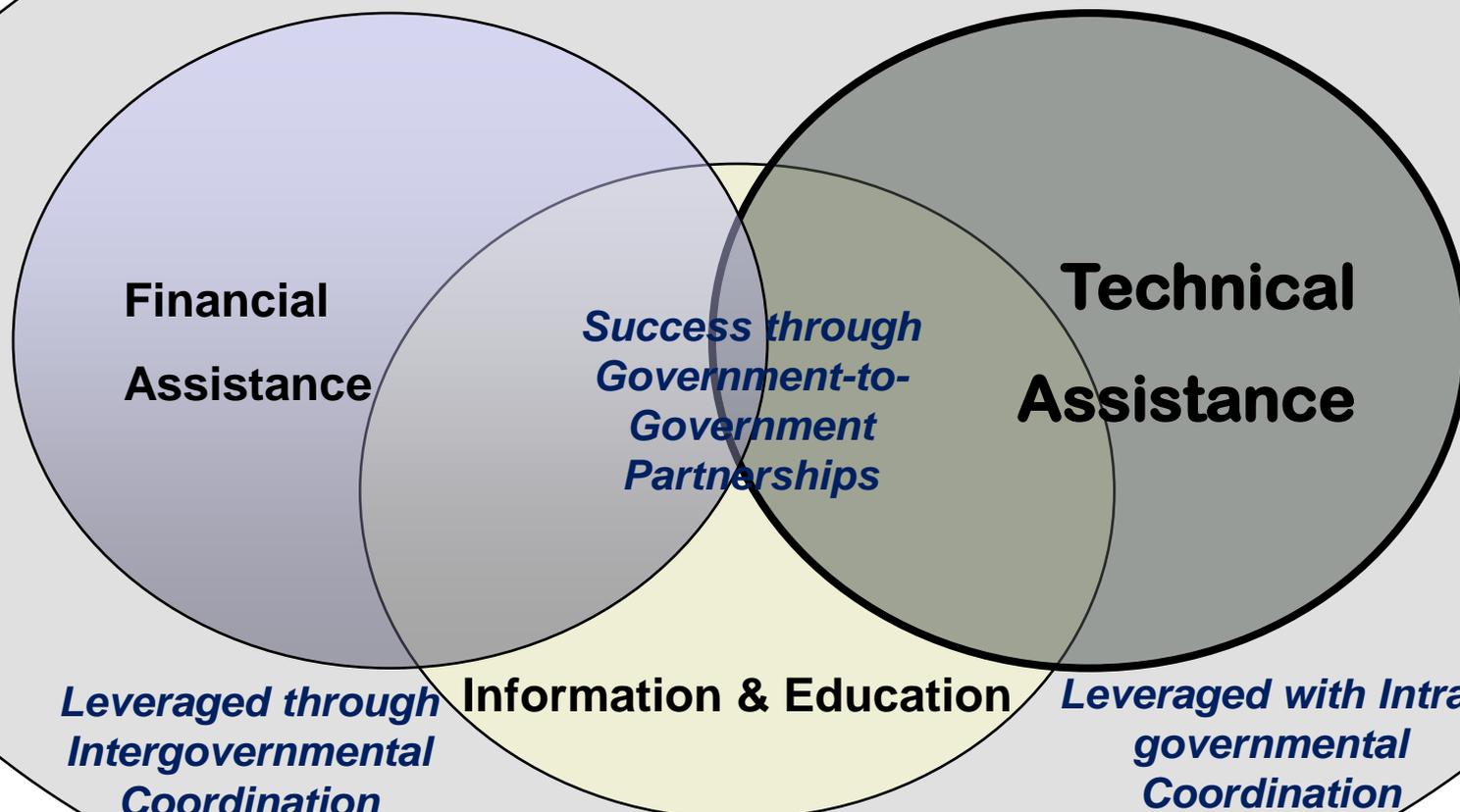
Cook Inlet Tribal Council training two apprentices in weatherization (4,000 hour program). Apprentices to graduate February 2012 and be hired to serve local communities.



Scotts Valley Band partnered with 12 Tribes in Lake and Mendocino Counties to build local capacity through education and training. Twenty-three members trained and 3 hired by the Tribes.



Three Pronged Approach



Providing Technical Assistance

Types of Technical Assistance

1) Strategic Energy Planning

Consists of an on-site workshop

2) Project Development Support

Consists of expert guidance and analysis that helps address specific barriers Tribes face while developing a clean energy project.



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



MARSHCREEK



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



Sandia National Laboratories

Technical Assistance Requests for Tribes

- 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 hours and may include, but is not limited to, renewable energy technology information, renewable resource information, energy efficiency techniques, project support, system performance modeling, policy information, design review, special studies, strategic energy planning, pre-feasibility transmission studies, and training.

U.S. Department of Energy
Energy Efficiency and Renewable Energy

DOE's Tribal Energy Program

REQUEST FOR TECHNICAL ASSISTANCE

CONTACT INFORMATION	
First & Last Name	
Tribe/Affiliation	
Title	
Address 1	
Address 2	State/Province
City	Zip Code
Phone	Fax
E-mail	

DESCRIPTION OF REQUESTED ASSISTANCE
(Typically limited to 40 hours)

Describe the technical scope of activities requested:

Identify the timeline of needed assistance, if applicable:

BACKGROUND INFORMATION

Provide background on your reservation (i.e., location and size), renewable energy resources, existing projects, and past efforts:

Return form to Lizana Pierce via e-mail at lizana.pierce@eo.doe.gov
or facsimile at (303) 275-4753

Complete Request Form On-line at the Tribal Energy Program Website



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) St. Regis Housing Authority (January 2015)
- 2) Bear River Rancheria (October 2014)
- 3) Yankton Sioux Tribe (February 2014)
- 4) Delaware Tribe (September 2013)
- 5) Menominee Tribe (August 2013)
- 6) Klamath Tribes (July 2013)
- 7) Crow Creek Housing Authority (March 2013)
- 8) 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:

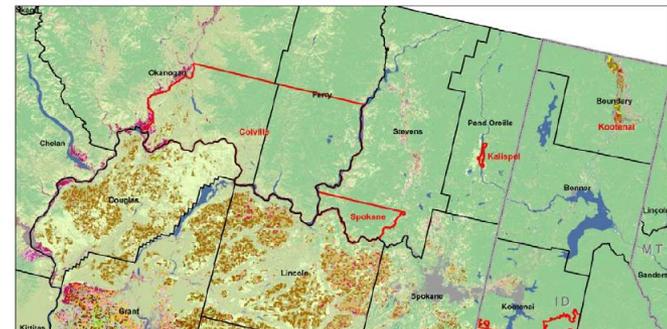
- Third-party independent reviews of transmission studies, financing structures, lease agreements, project reports, etc.
- Objective advice grounded in research and real-world experience on technologies
- Modeling and analysis (or assistance in using available modeling/analysis tools)
- Pre-feasibility 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) Navajo Hopi Land Commission (May 2010)
- 4) Hualapai Tribe (July 2010)
- 5) Ute Mountain Ute Tribe (Feb 2011)
- 6) Chemehuevi Tribe (May 2013)
- 7) San Carlos Apache (May 2013)
- 8) Ione Band (November 2013)
- 9) San Ildefonso Pueblo (November 2013)
- 10) Nez Perce Tribe (December 2013)
- 11) Oglala Sioux (June 2014)
- 12) Turtle Mountain Band (September 2014)
- 13) Mesa Grande Band (October 2014)
- 14) Saginaw Chippewa (November 2014)

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

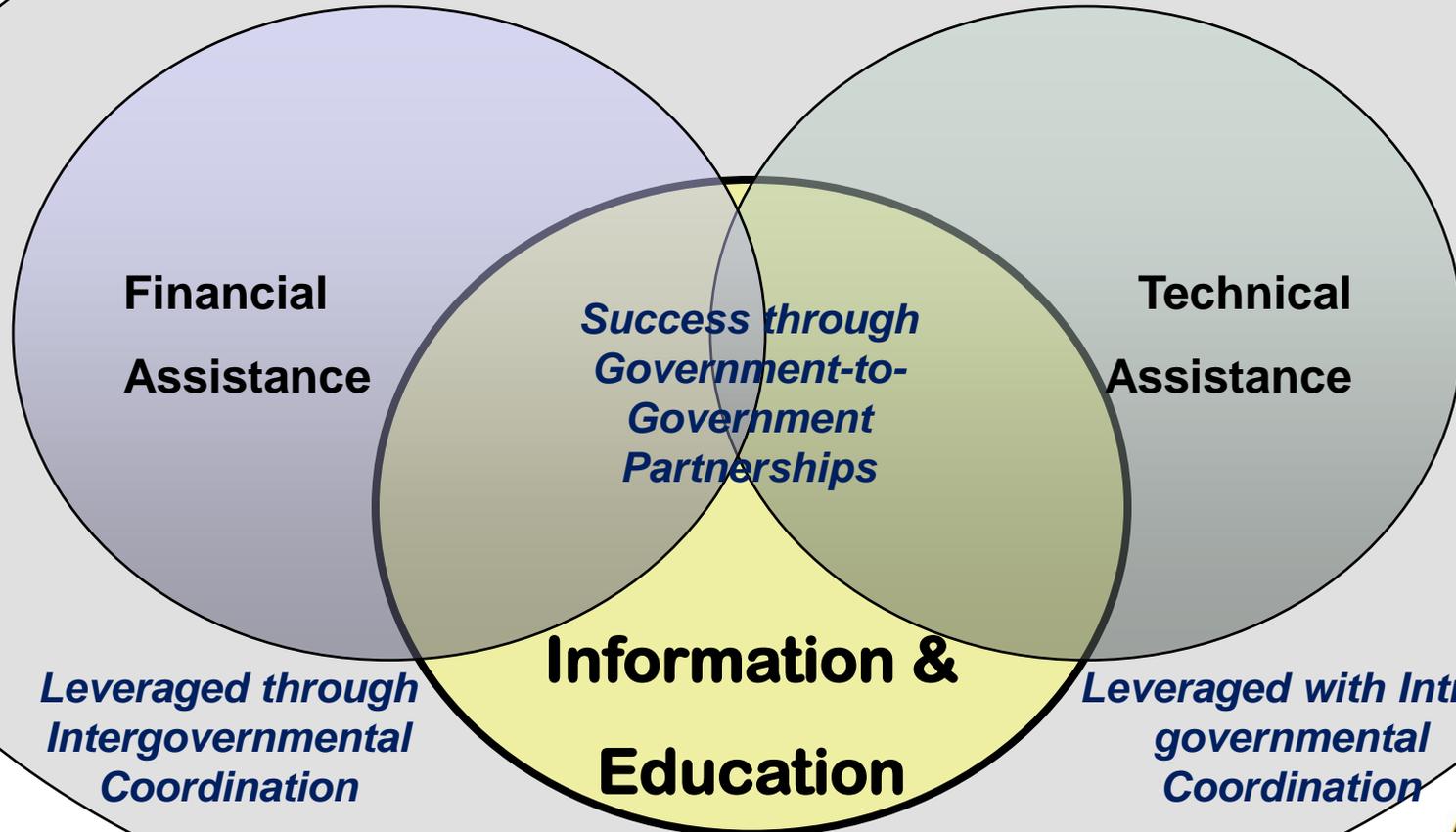
Pre-Feasibility Assessment of Renewable Generation
Applications,
For the Canoncito Band of Navajos (Tóhajiilee)

SAN ILDEFONSO PUEBLO



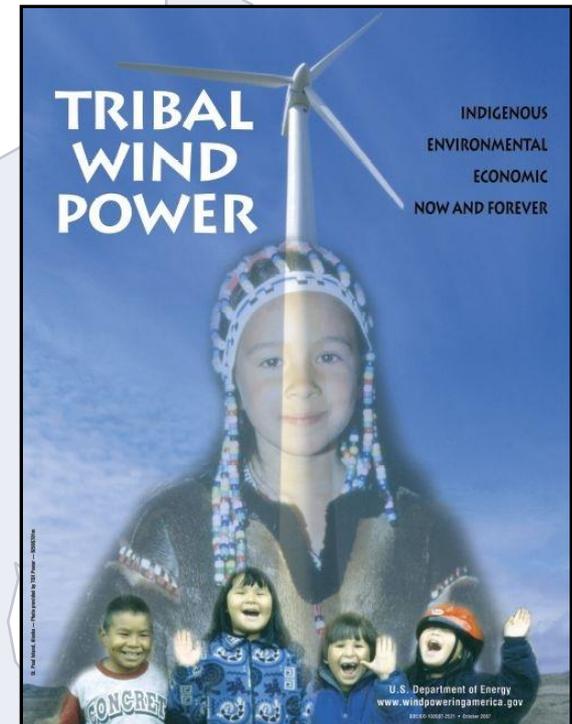
PRE-FEASIBILITY TRIBAL UTILITY REPORT
NOVEMBER 22, 2013

Three Pronged Approach



Education & Training

- Annual Program Review
- National Workshops
- Tribe Specific or Regional Trainings
 - Upon Request and within available resources
- Student Internships
- On-line “Guide to Tribal Energy Development”
- On-line Short Courses (workshop material)
- Informational Resources (handbooks & guides)
- Webinars (real-time and archived)



Building Human Capacity in Indian Country



Annual Program Review

Unique Tribal Forum for Sharing and Learning

- Forum for Tribes to meet and learn from other each other and to share their successes
- Networking & learning opportunity
- Forty to fifty (40-50) Tribal energy projects presented
- Typically ~200 participants



Student Summer Internships

Applications

- Applications due each February
- 12 week internship at Sandia National Laboratories (NM)
- See TEP website for application form or “Join email list”

Immersion into Renewable Energy

- Interns gain hands-on experience on renewable energy systems
- Required to produce a research paper as part of the internship

Interns

- Twenty-nine (29) interns sponsored by EERE since 2002

Contact

- Sandra Begay-Campbell at (505) 844-5418 or skbegay@sandia.gov

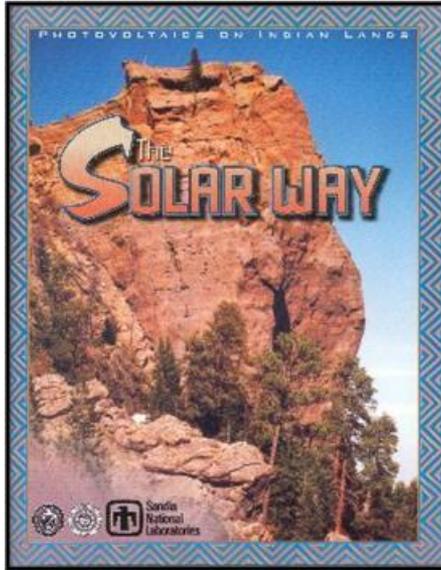
**Student Papers & Testimonials
Posted on TEP Website**



Deborah Tewa (certified electrician & solar installer) at Sandia's PV Laboratory (2002)

2008 Interns' participated in PV installation & training workshop (AZ-Hopi)





Information Resources

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

EEERE Home | Programs & Offices | Consumer Information

Tribal Energy Program

SEARCH

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

EEERE > Tribal Energy Program > Home

The U.S. Department of Energy's Tribal Energy Program provides financial and technical assistance that enables tribes to evaluate and develop their renewable energy resources and reduce their energy consumption through efficiency and weatherization. The program also offers education and training opportunities designed to foster clean energy technology adoption, promote green jobs and growth, and strengthen native communities. Learn more about the [Tribal Energy Program](#).

POPULAR LINKS

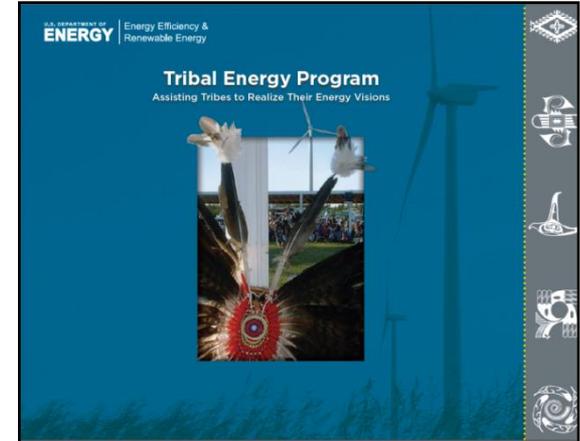
I want to...

- Learn about [funding opportunities](#)
- Get information on existing [tribal energy contracts](#)
- Learn how to [develop and implement a clean energy project](#)
- Register for [upcoming trainings](#)
- Request [technical assistance](#)
- Contact the program's [help desk](#)

FEATURES

- 2015 Tribal Energy Program Review
- 2015 Projects Selected for Funding

Subscribe to email updates



Subcontract Report
NREL/SR-744-48078
June 2010

Renewable Energy Development in Indian Country: A Handbook for Tribes

By Douglas C. MacCourt
Chair, Indian Law Practice
Ater Wynne LLP

A Project for the National Renewable Energy Laboratory (NREL)
and the Alliance for Sustainable Energy, LLC.

June 2010 Edition

aterwynne.com

ATER WYNNE LLP
ATTORNEYS AT LAW

PORTLAND SEATTLE MENLO PARK SALT LAKE CITY

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Tribal Energy Program

SEARCH

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

EEERE > Tribal Energy Program > Guide to Tribal Energy Development

Project Development

With a strategic plan in hand, knowing your tribe's viable energy options, and having chosen your preferred institutional arrangements, it is then possible to formulate an action plan, raise funding, and move forward with specific projects that contribute to your tribal energy sufficiency goals.

Before actually committing to construction, most energy projects benefit from a more detailed [feasibility assessment](#). The initial screening that takes place during strategic plan development should identify a number of interesting options while generating lots of unanswered questions. For the preferred options, conducting a good feasibility assessment will reduce the list of interesting options down to the possible options, which can be further ranked by criteria important to the tribe. The winners can then move into the project development process.

As part of the feasibility assessment, the tribe should begin discussions with the local electric utility about an interconnection agreement. The [interconnection process](#) should proceed in parallel with the project development process, which is mapped out below. Each step will provide you with much, if not all, of the information and documentation needed to move your individual projects forward. To continue, select a step in the process or [visit the complete process](#).

```

    graph TD
      A[The Management Decision] --> B[Contract Out]
      A --> C[Total Development]
      C --> D[Engineering Design]
      C --> E[Power Agreements]
      D --> F[Permitting and Licensing]
      E --> F
      F --> G[Project Financing]
      G --> H[Hardware Development]
      H --> I[Construction & Training]
      I --> J[Commissioning]
      J --> K[Operations & Maintenance]
    
```

Contents

- Project Implementation Issues
- Case Studies
- Glossary

TRIBAL AUTHORITY PROCESS

Case Studies:
The Conversion of On-reservation Electric Utilities to Tribal Ownership and Operation

Prepared for:
U.S. Department of Energy
Tribal Energy Program

Prepared by:
Western Area Power Administration
Renewable Resources Program
Updated and revised September 2010

U.S. Department of Energy
Energy Efficiency and Renewable Energy
Tribal Energy Program

Western Area Power Administration



Informational Materials

Short Courses

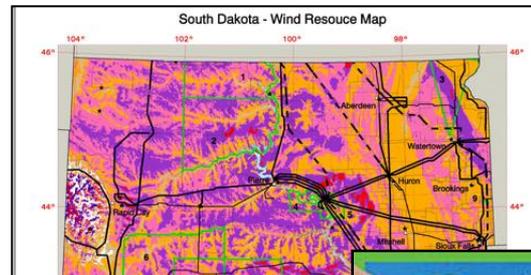
- Analysis & Economics
- Business & Financing
- Community Development
- Demand-side Options
- Renewable Technologies

Handbooks & Guides

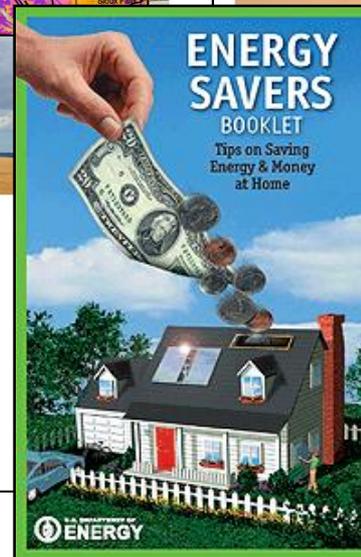
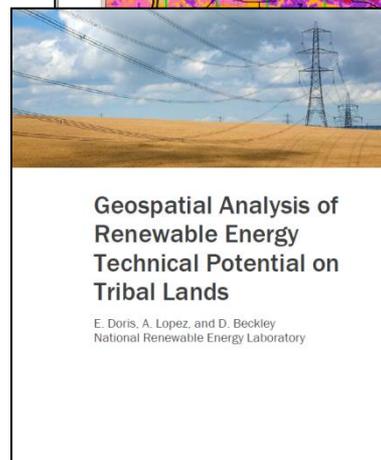
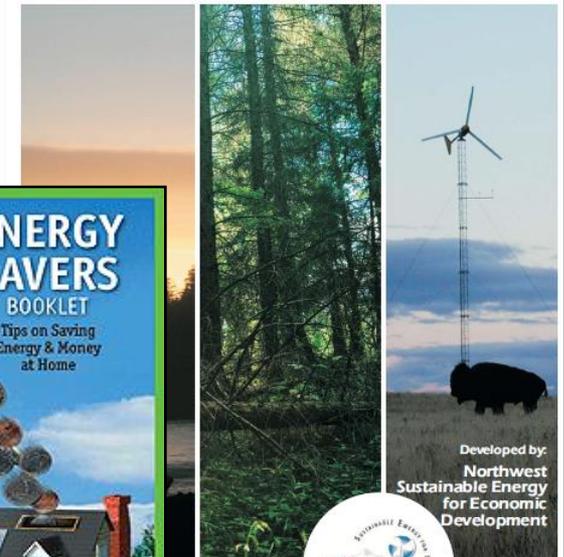
- A Guide: Energy Planning
- Energy Consumption and Renewable Energy Development on Indian Lands
- A Handbook: Renewable Energy in Indian Country

Tools & Models

- Resource Potential Maps
- Reservation Specific Wind Maps



Energy Planning: A Guide for Northwest Indian Tribes



All Material Posted on Program Website



Program Website

- Features
- Program Brochure
- Upcoming Events
- Short Courses
- Education & Training
- Funding Opportunities
- Projects on Tribal Lands
- Link to “Guide”
- Information Resources
- Join Email List
- Contacts

The screenshot shows the homepage of the Tribal Energy Program website. At the top, it features the U.S. Department of Energy logo and the text 'Energy Efficiency & Renewable Energy'. Below this is a green navigation bar with the title 'Tribal Energy Program' and a search bar. The main content area is divided into several sections: 'POPULAR LINKS' with a list of links for funding, projects, clean energy, and training; 'FEATURES' with three featured articles including a 2015 program review, project funding, and current opportunities; 'EVENTS' with a list of upcoming conferences and webinars; and 'FEATURED PUBLICATIONS' with links to a tribal authority process guide and an Indian energy legal handbook. A 'Subscribe to email updates' button is located at the bottom left of the main content area.

Providing a Clearinghouse of Information

www.eere.energy.gov/tribalenergy



Program Website

Projects on Tribal Lands

- **Project Lists Sorted by**
 - Tribe
 - Award Year
 - Award Type
 - Technology

- **Project Map (List by State)**

- **Project Summaries**
 - Overview
 - Scope
 - Location
 - Status
 - Presentations
 - Final Reports
 - Tribal Contacts

The screenshot displays the website's navigation menu with tabs for HOME, ABOUT, PROJECTS, EDUCATION & TRAINING, ENERGY DEVELOPMENT GUIDE, TECHNICAL ASSISTANCE, FINANCIAL OPPORTUNITIES, INFORMATION RESOURCES, and EVENTS. The main content area is titled "Projects on Tribal Lands" and includes a list of filters (By State, By Tribe, By Technology, By Award Year, By Award Type, Funding History) and a "Quick Links" section for Funding Opportunities, Upcoming Trainings, Email Updates, and Help Desk. A map of the United States shows project locations across various states. A detailed project summary is provided for the "Agua Caliente Band of Cahuilla Indians - 2005", including a project description, a project overview table, project status, and contact information.

Project Overview	
Tribe/Awardee:	Agua Caliente Band of Cahuilla Indians
Location:	Palm Springs, CA
Project Title:	Development of a Strategic Energy Plan
Type of Application:	First Steps
DOE Grant Number:	DE-PS36-05G015173
Project Amounts:	DOE: \$89,312 Awardee: \$15,393 Total: \$104,705
Project Status:	Completed More
Project Period of Performance:	Start: September 2005 End: August 2006

Assuring Visibility of Tribal Projects



Program Website

The screenshot displays the Tribal Energy Program website interface. At the top, it features the U.S. Department of Energy logo and the text 'Energy Efficiency & Renewable Energy'. A navigation bar includes links for 'HOME', 'ABOUT', 'PROJECTS', 'EDUCATION & TRAINING', 'CLEAN ENERGY DEVELOPMENT GUIDE', 'TECHNICAL ASSISTANCE', 'FINANCIAL OPPORTUNITIES', 'INFORMATION RESOURCES', and 'EVENTS'. A search bar is located on the right side of the navigation bar. Below the navigation bar, the main content area is titled 'Tribal Energy Program' and includes a search bar and a 'SEARCH' button. The main content area is divided into several sections: 'Management & Implementation', 'Success Stories', and 'Contacts'. The 'Success Stories' section is highlighted and contains three articles: 'Tribal Energy Program Success Stories', 'Nez Perce Tribe Energy-Efficient Facilities Upgrade', and 'Clean Energy Projects Helping Wisconsin Tribe Achieve Sustainability Goals'. Each article includes a small image and a brief description. A 'Quick Links' section is located on the left side of the main content area, listing links for 'Funding Opportunities', 'Upcoming Trainings', 'Success Stories', 'Email Updates', and 'Help Desk'. The footer of the website includes the text 'EERE Home | Programs & Offices | Consumer Information' and 'Printable Version' and 'Share' buttons.

Celebrating Tribal Successes



“Guide to Tribal Energy Development”

Development Process

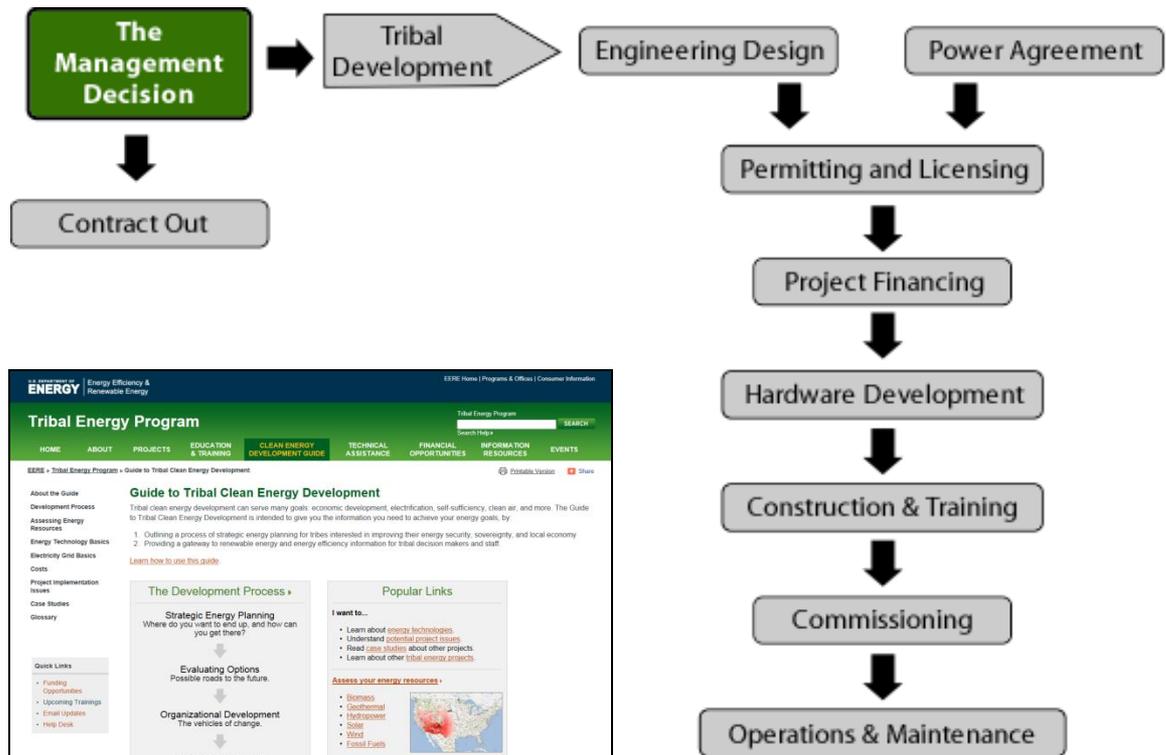
- Strategic Planning
- Options Analysis
- Organizational Development
- Project Development

Business & Financing

- Short Courses
- Handbooks

Resource Library

- Energy Resources
- Technologies
- Costs
- Risk Factors
- Legal Issues
- Financing Options
- Contacts



Providing a Clearinghouse of Information

www.eere.energy.gov/tribalenergy/guide



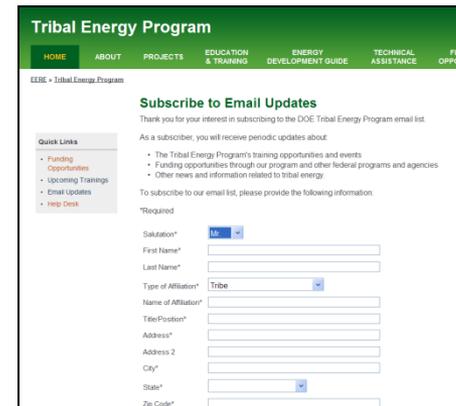
Email Notices

As subscribers, Tribes receive email newsletters on:

- Training opportunities and upcoming events
- Funding opportunities through our program and other federal programs and agencies
- Other news and information related to Tribal energy.

Simple On-line Subscription

- Over 4,000 subscribers
- 100's of email notices sent each year
- Distributed through other Tribal and Agency listservs – Expanding distribution
- On-line inquiries available



The screenshot shows the 'Tribal Energy Program' website with a green header. The main content area is titled 'Subscribe to Email Updates' and includes a 'Thank you' message and a list of topics covered by the newsletter. Below this is a form with the following fields: 'Required' (checkbox), 'Salutation*' (dropdown menu), 'First Name*', 'Last Name*', 'Type of Affiliation*' (dropdown menu with 'Tribal' selected), 'Name of Affiliation*', 'Title/Position*', 'Address*', 'Address 2', 'City*', 'State*' (dropdown menu), and 'Zip Code*'. A 'Quick Links' sidebar on the left contains links for 'Funding Opportunities', 'Upcoming Trainings', 'Email Updates', and 'Help Desk'.

Join Our Email List
www.eere.energy.gov/tribalenergy



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?

Lizana Pierce, Project Manager

Tribal Energy Program

U. S. Department of Energy

Office of Energy Efficiency and
Renewable Energy (EERE)

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

