

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

*DOE's Tribal Energy Program*



*2013 Program Review*

March 24, 2013  
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.**



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

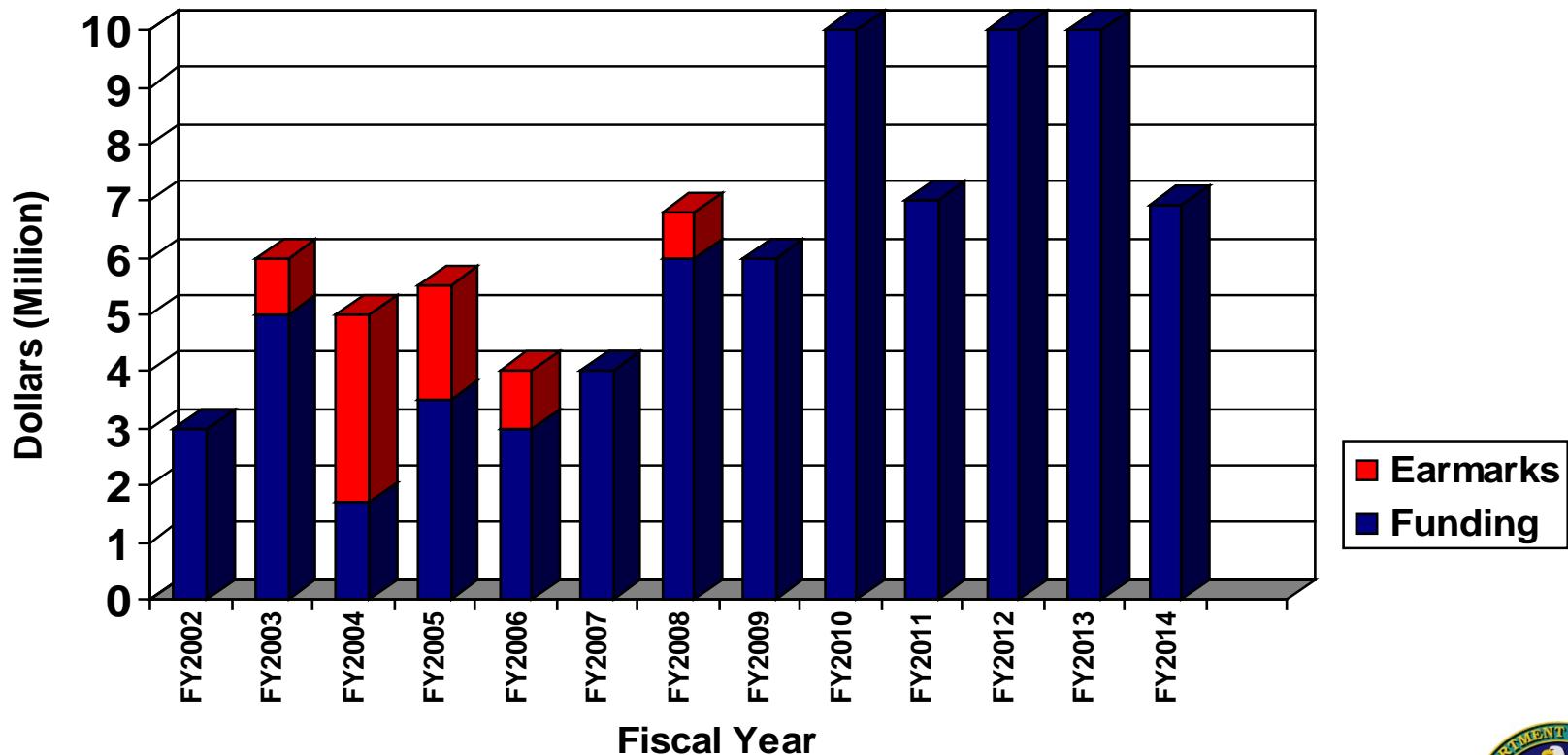


***Offering financial and technical assistance to Tribes through government-to-government partnerships that:***

- 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



**Averages ~\$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	TBD

**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



# 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***



# Competitive Process (2002-2013)

## Accomplishments \*

- **17 Funding Opportunities Announcements issued**
- **Total of 610 applications accepted** (valued at \$316 million)
- **84.8% of meritorious applications funded** (Total of 184 of 217)
- **Funded 30.2% of all applications received** (using multi-year funds)  
DOE average is ~5 to 10%.
- **Funded 126 Different Tribes** (22.2% of the 566 Tribes)

\* Including 9 pending awards.



# FY2013 Financial Assistance

## Financial Assistance to Spur Deployment in Indian Country

- **Tribal Renewable Energy and Energy Efficiency Deployment Assistance (DE-FOA-0000853)**
  - Deployment of renewable energy and energy efficiency improvements
  - 30% reduction in total fuel use and minimum 10 kW
- **Community-Scale Clean Energy Projects in Indian Country (DE-FOA-0000852)**
  - Deployment of clean energy systems (renewable energy, energy efficiency, or renewable or natural gas fueled combined heat & power systems)
  - 15% reduction in total fuel use and minimum 50 kW



Solar arrays on home on the Navajo Nation

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



**Tribal Energy Program**

# Highlighted during the 2013 White House Tribal Nations Conference

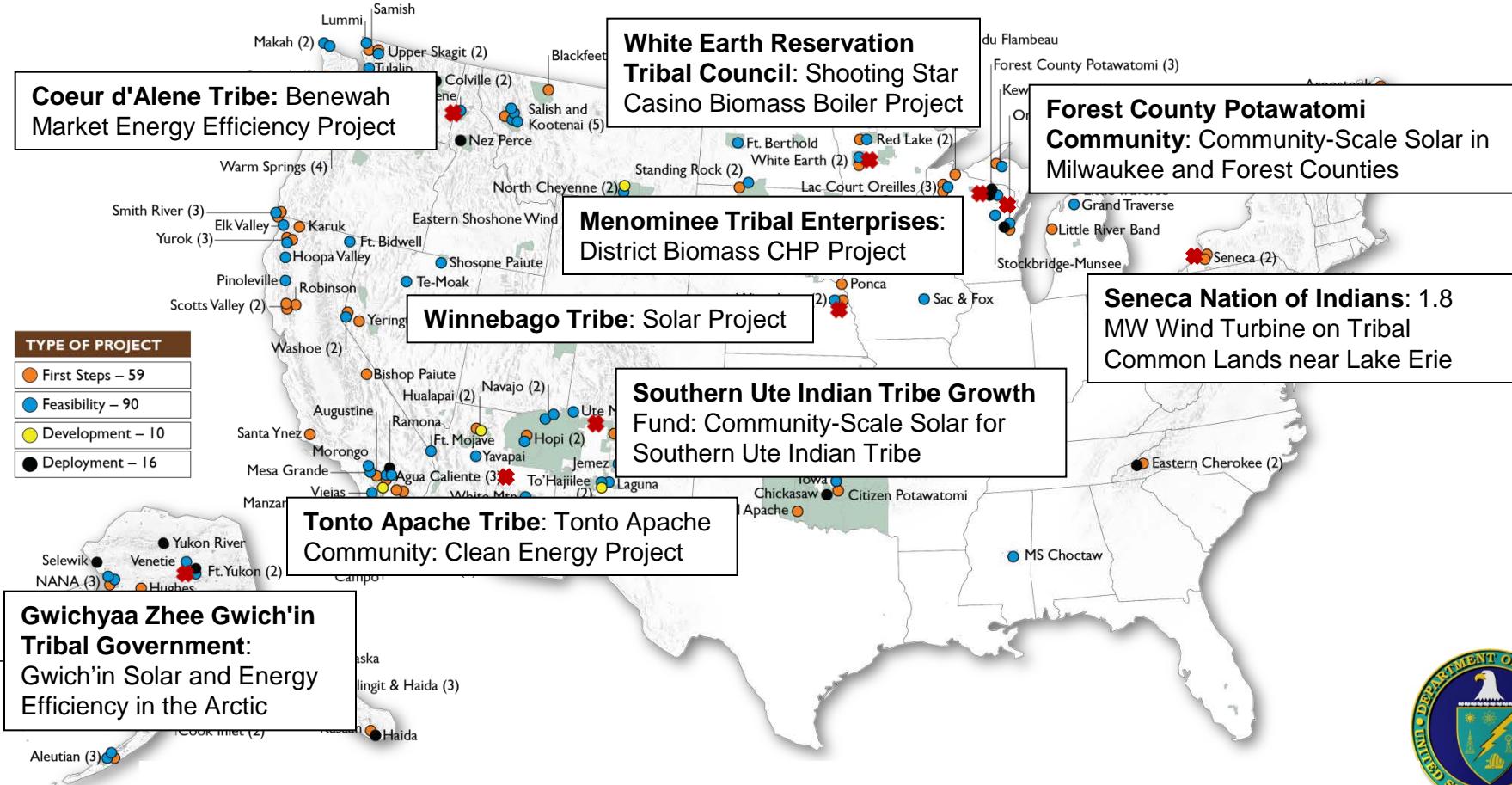
Awards Pending for Nine Tribal Energy Projects Valued at more than \$7 Million

*“As part of the Obama Administrations commitment to strengthening partnerships with Tribal nations and building stronger, more resilient Communities that are better prepared for a changing climate, the Energy Department announced nine tribal clean energy projects to receive more than \$7 million.”*



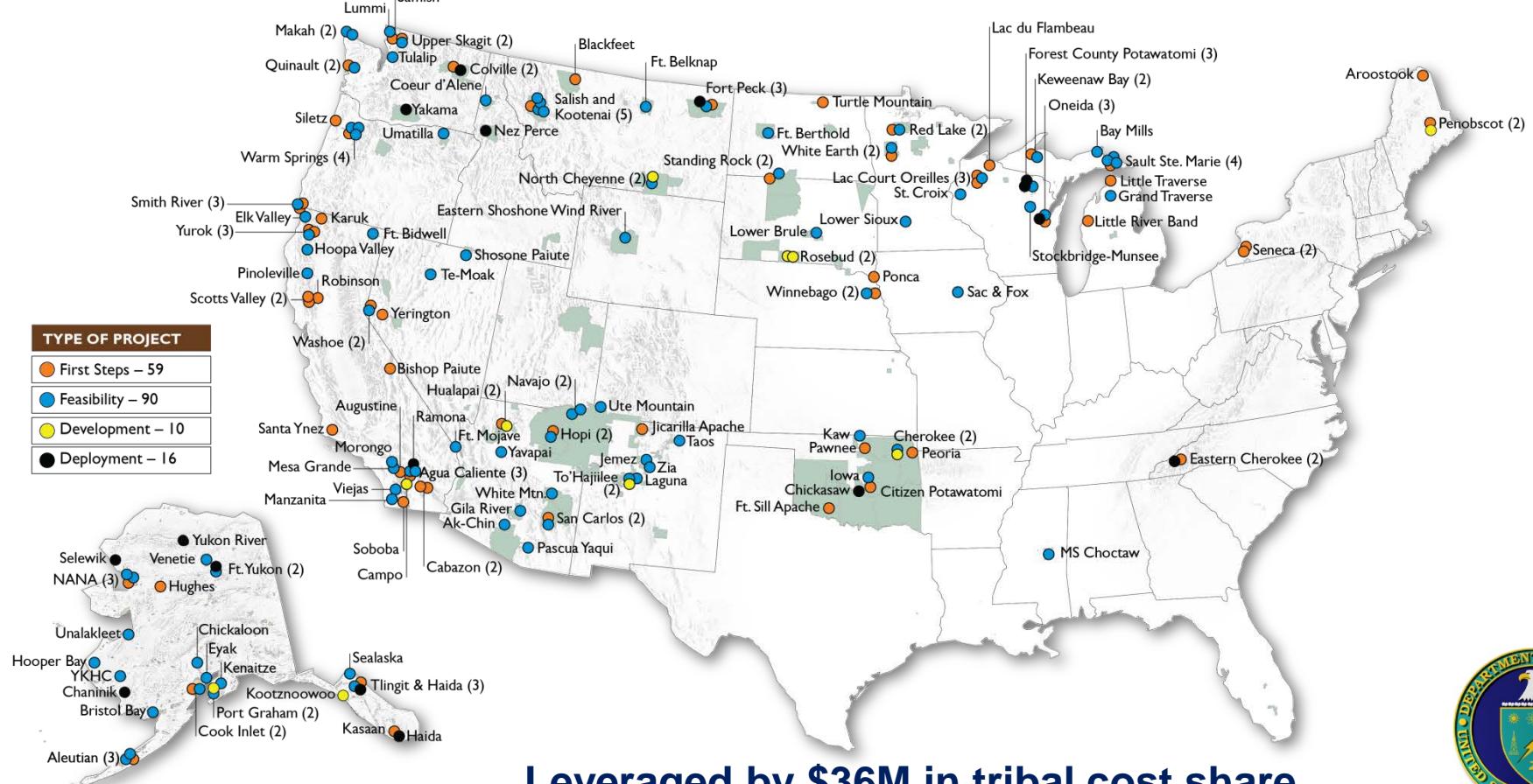
**Tribal Energy Program**

# Awards pending for nine Tribal energy projects\* valued at more than \$7 million



**Tribal Energy Program**

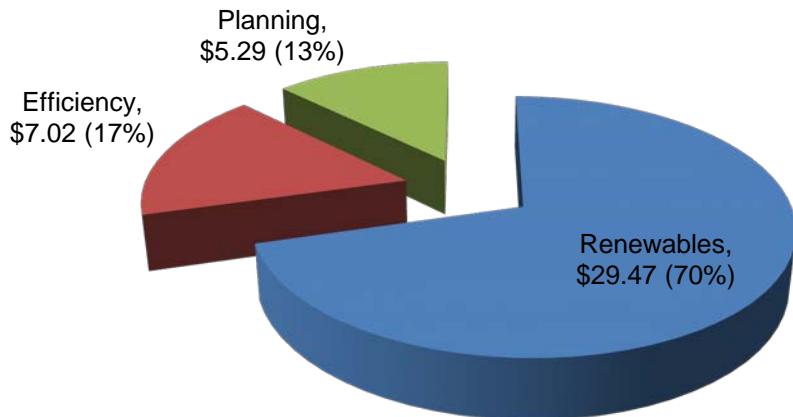
# DOE has Invested \$41.8 Million in 175 Tribal Energy Projects (2002-2012)



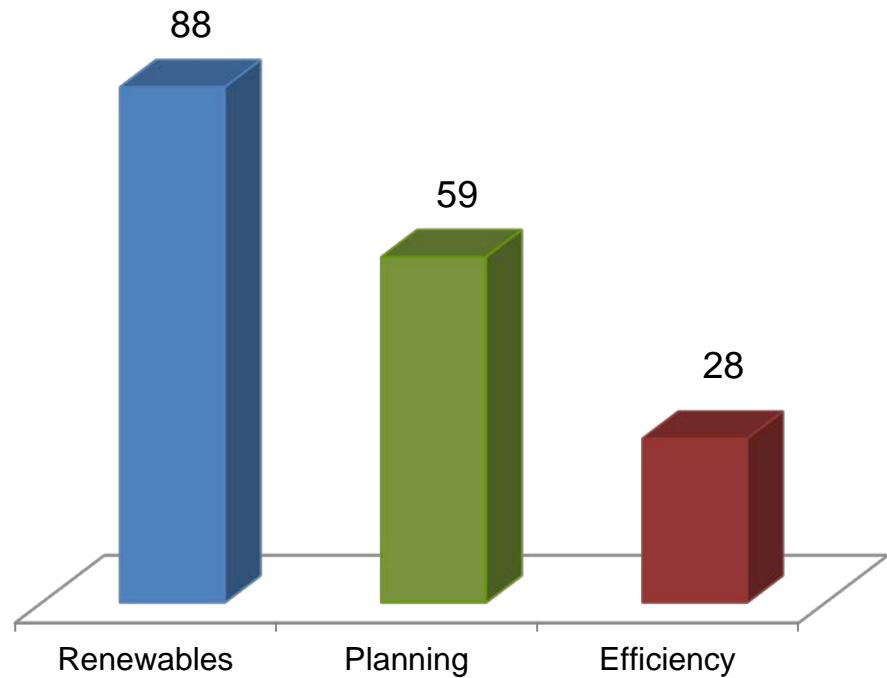
# Tribal Energy Project Pipeline

**DOE'S Investment of \$41.8 Million in 175 Tribal Energy Projects (2002-2012)**

**DOE Investment by Type (\$M)**



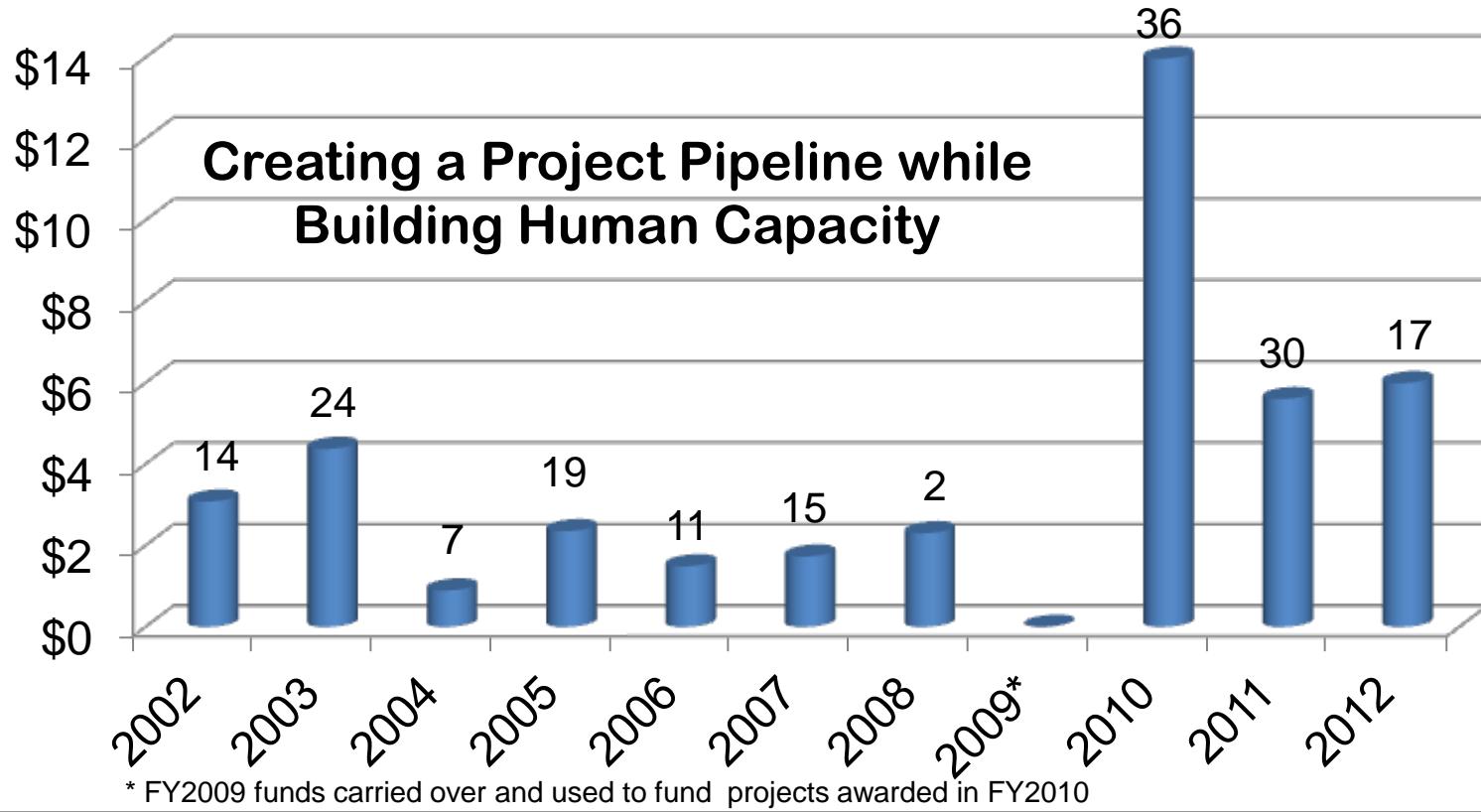
***Investment in Tribal Clean Energy***



***Funded 21.6% of All Tribes (2002-2012)***



## Project Funding History



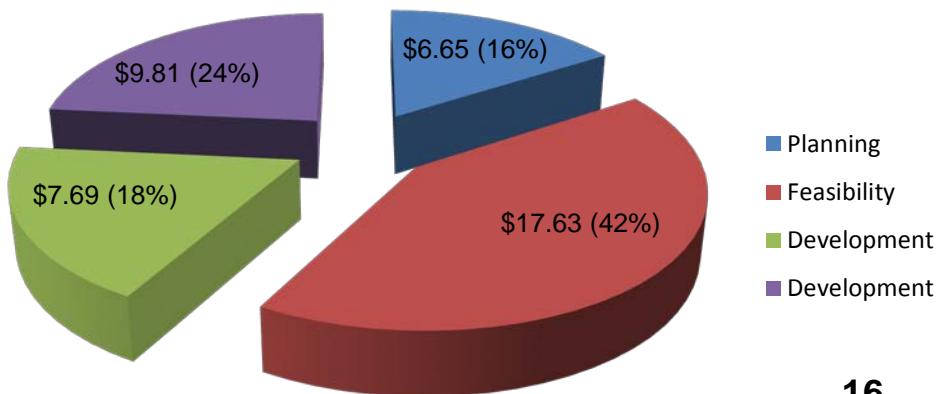
## Investment in Tribal Energy Sufficiency



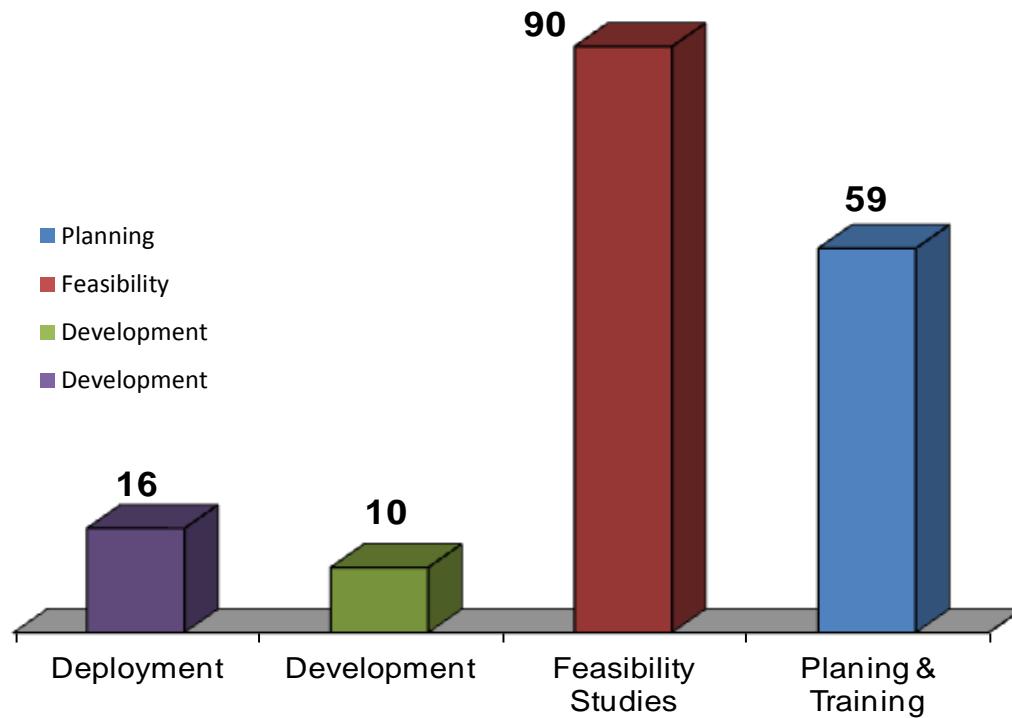
# Tribal Energy Project Pipeline

**DOE'S Investment of \$41.8 Million in 175 Tribal Energy Projects (2002-2012)**

**DOE Investment by Phase (\$M)**



*Clean Energy Projects in  
Various Stages of  
Development*



**Assisting Tribes Fulfill Their Energy Vision**



# Project Accomplishments

## Return on DOE's \$41.8 Million Investment

- Over 800 MW of potential new renewable energy generation under development
- Over 4,000 MW of tribal renewable energy resources being assessed
- Over 1.7 million square feet of tribal buildings (67) retrofitted for a savings of over \$3 million per year
- Energy audits completed on over 250 tribal buildings
- Over 170 tribal members training as part of these tribal energy projects

Leveraged by \$36M in tribal cost share



# Project Accomplishments

## *Renewable Energy Deployment in Indian Country*

### Renewable Energy Deployment Projects



**Colville** Indian Power  
and Veneer Energy  
Substation (WA)



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

**Ramona Band (CA)**  
Renewable Powered  
Eco-tourism Project



# Project Accomplishments

## *Renewable Energy Deployment in Indian Country*

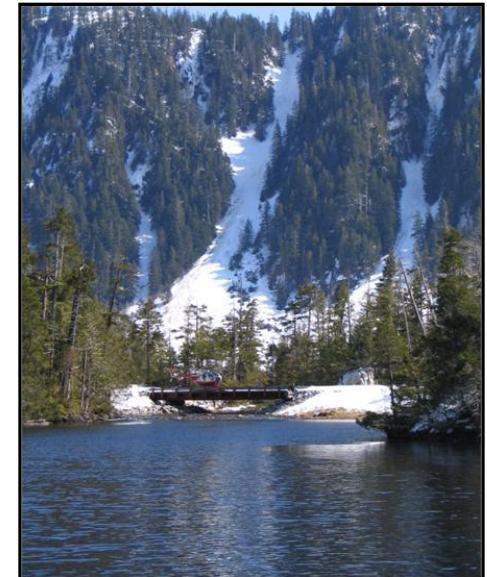
### Renewable Energy Deployment Projects (Continued)



**Chaninik Wind Group's**  
Thermal Heating Project (AK)



**Assiniboine & Sioux Tribes** installed two 50 kW wind turbines on the Fort Peck Reservation



**Haida Corp's**  
Reynolds Creek 5MW Hydro Project in Angoon (AK)



# 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** installed 1,664 new LED lights for a 54% reduction in energy use (WI)



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



# Project Accomplishments

## *Deployment to Save Energy for the Future*

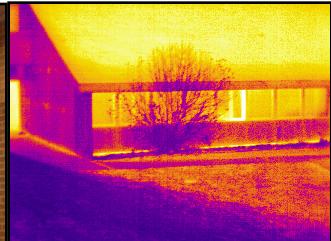
### Building Retrofit Projects (Continued)



**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 Projects (Continued)

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



Central Council Tlingit & Haida Indian Tribes of Alaska (CCTHITA) retrofitting 4 buildings for projected annual savings of \$52,271 (AK)



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



# Project Accomplishments

## *Renewable Energy Development*

### Renewable Energy Development Projects

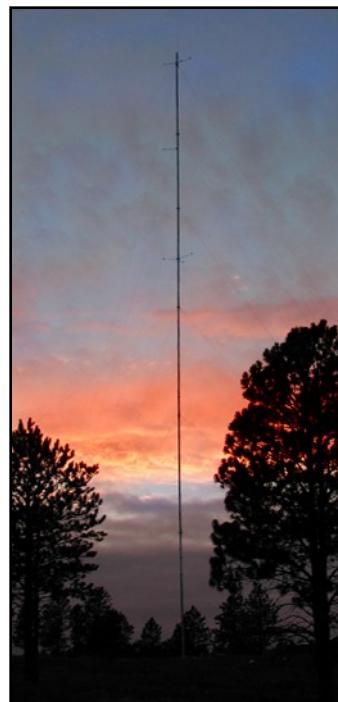


**Campo Band's** Wind Farm  
DOE funding Phase II  
(160 MW)

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)



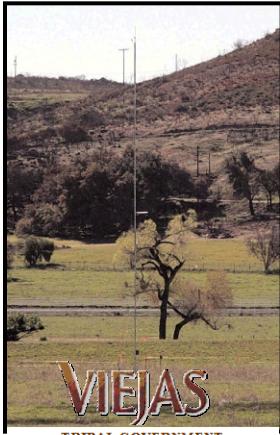
**Rosebud Sioux's** (SD) Little Soldier  
Turbine - Pursuing a 30 MW and 190  
MW Wind Farm



# Project Accomplishments

## *Assessing Indigenous Resources*

### Renewable Energy Feasibility Studies



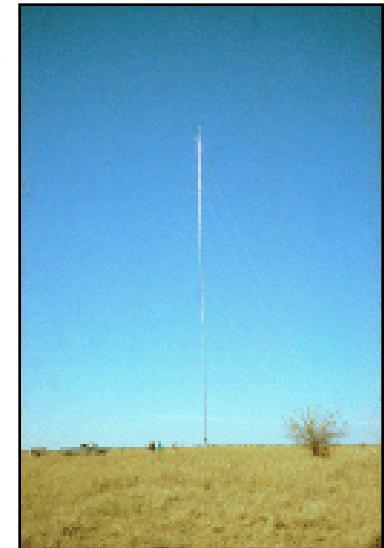
Viejas Tribal  
Government  
Tribal Utility and  
Wind Study (CA)



Pueblo of Jemez Geothermal  
Feasibility Study (NM)



Kaw Nation  
Wind Resource  
Assessment (OK)



Makah  
Indian  
Nation  
Wind  
Feasibility  
Study  
(WA)



Three Affiliated Tribes Wind  
Feasibility Study (ND)



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)



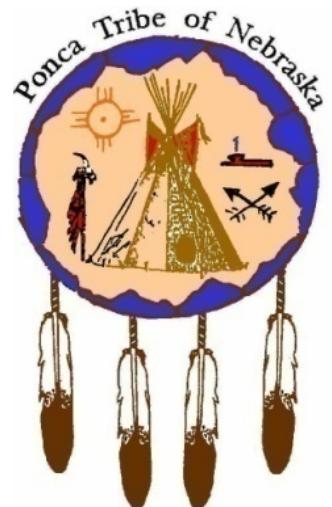
**Cabazon Band of Mission Indians**  
Energy Plan (CA)



**San Carlos Apache**  
conducting an energy options analysis (AZ)

**Earth Lover**

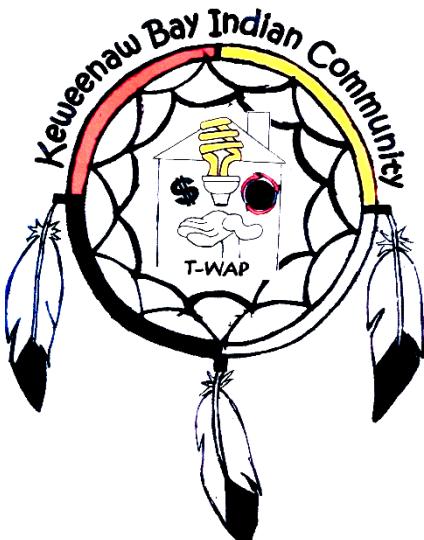
**Ponca Tribe**  
conducting an energy analysis and conducting community awareness under their "Project Earth Lover" Campaign (NE)



# Building Local Skills and Knowledge

*Over 170 Tribal Members Trained*

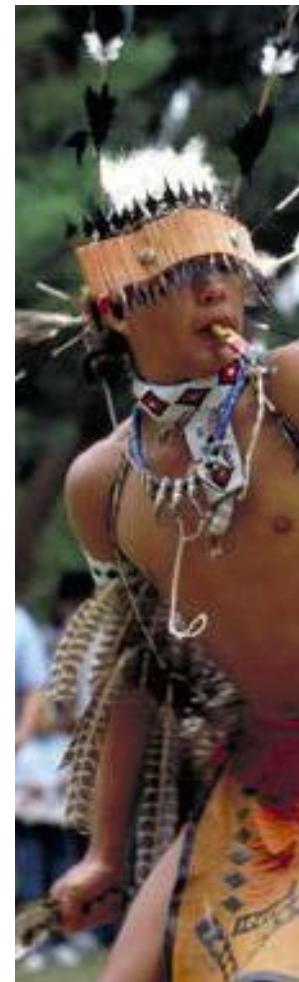
**Keweenaw Indian Community** trained members in weatherization: 9 energy auditors; 8 envelop professionals; and 38 air sealing insulation installers. Logo contest winner shown above.



**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.



# *DOE's Tribal Energy Program*

## Three Pronged Approach

Financial  
Assistance

Technical  
Assistance

*Success through  
Government-to-  
Government  
Partnerships*

*Leveraged through  
Intergovernmental  
Coordination*

Information & Education

*Leveraged with Intra-  
governmental  
Coordination*



# 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.



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

**Tribal Energy Program**

# 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
<b>DOE's Tribal Energy Program</b>
<b>REQUEST FOR TECHNICAL ASSISTANCE</b>
<b>CONTACT INFORMATION</b>
First & Last Name Tribe/Affiliation Title Address 1 Address 2      State/Province City      Zip Code Phone      Fax E-mail
<b>DESCRIPTION OF REQUESTED ASSISTANCE</b> (Typically limited to 40 hours) Describe the technical scope of activities requested:  Identify the timeline of needed assistance, if applicable:
<b>BACKGROUND INFORMATION</b> 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 <a href="mailto:lizana.pierce@doe.gov">lizana.pierce@doe.gov</a> 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) 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



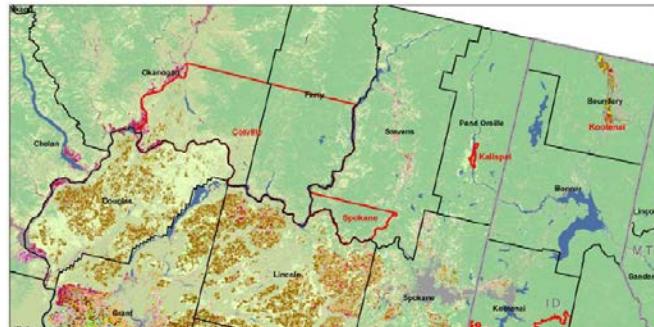
### Summary of Colorado Solar Garden Programs and Projects



### 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.



sustainable Energy, LLC.



# 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)
- 10) San Ildefonso Pueblo (November 2013)
- 11) 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 NHCLO Paragon Ranch Solar

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

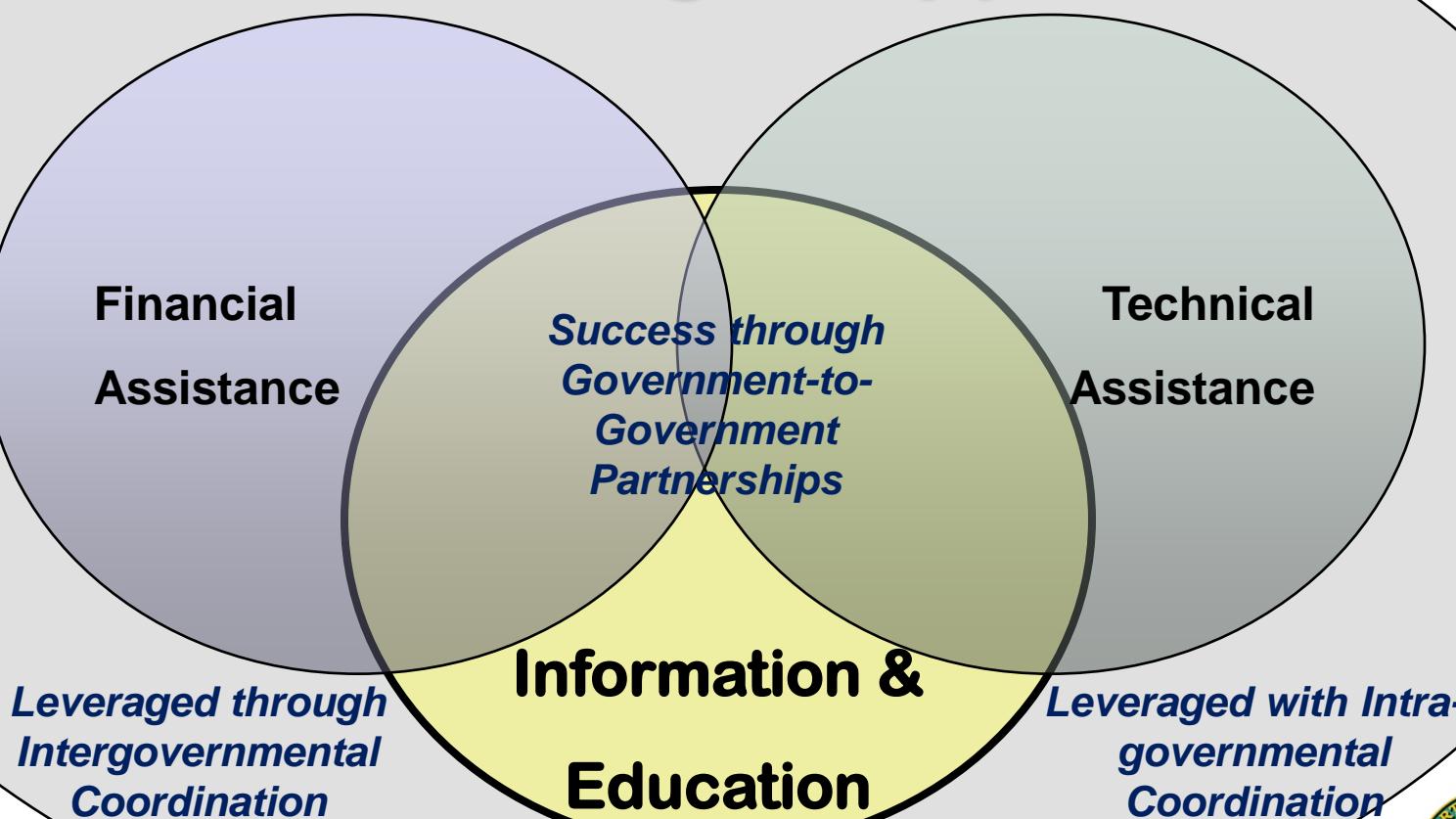
SAN ILDEFONSO PUEBLO



PRE-FEASIBILITY TRIBAL UTILITY REPORT  
NOVEMBER 22, 2013

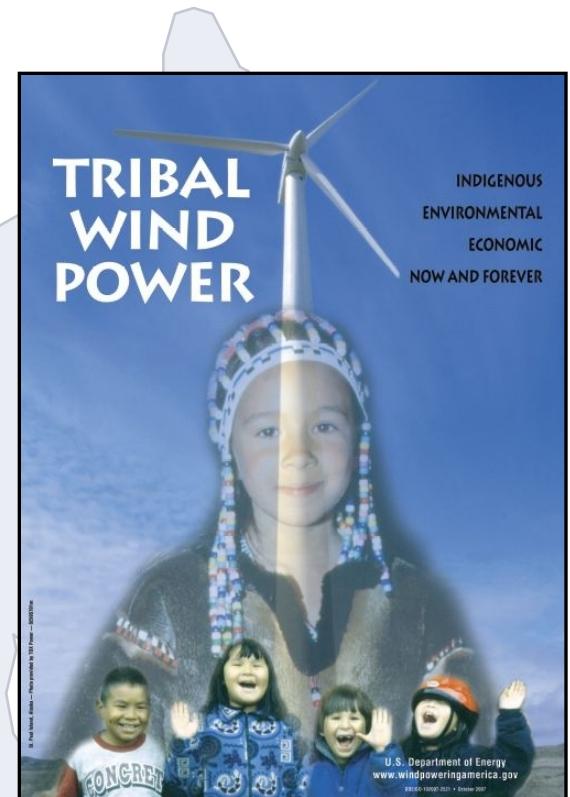
# *DOE's Tribal Energy Program*

## 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 since 2002

## Contact

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

**Student Papers & Testimonials Posted on  
TEP Website**  
**Deadline Extended until March 28<sup>th</sup>**

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



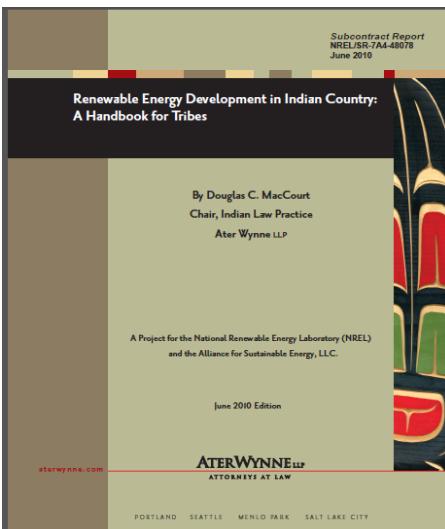
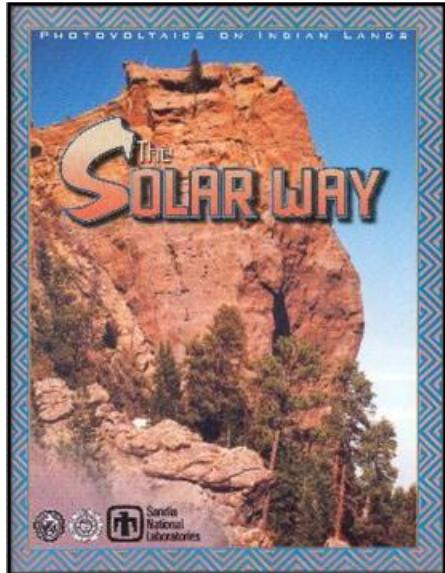
Deborah Tewa (certified electrician & solar installer) at Sandia's PV Laboratory (2002)





Energy Efficiency &  
Renewable Energy

## Tribal Energy Program



# Information Resources

[U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy](#)

[Tribal Energy Program](#)

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**EVENTS**

- 2012 International Straw Builders' Conference • September 16-20 2012
- DOE Webinar: Accelerating Innovation: Energy Storage on Tuesday • September 25 2012
- Understanding HUD Environmental Reviews: Water Resources • September 25 2012
- [More Events](#)

**FEATURED PUBLICATIONS**

[Indian Energy Legal](#)

[U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy](#)

[Tribal Energy Program](#)

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**Project Development**

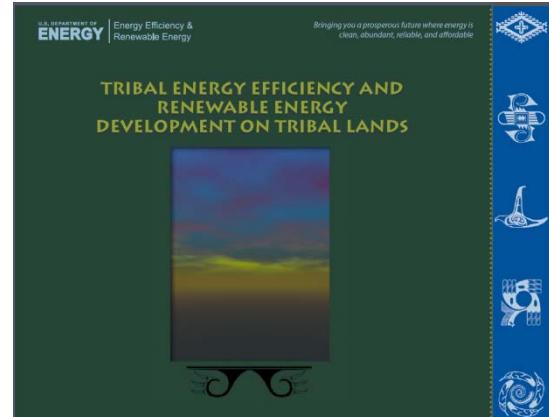
With a strategic plan in hand, knowing your tribe's viable energy options, and having chosen your preferred institutional arrangements, it is then possible to formulate an action plan: new funding, and move forward with specific projects that contribute to your tribal energy sufficiency goals.

Define actually constituting the construction, input 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. This is where the [Feasibility Assessment](#) comes into play. It is a process that identifies the best opportunities for your tribe's energy options, which can be further refined by tribes 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 [print](#) this [Executive Summary](#).

```

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



**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 & Innovative Energy Tribal Energy Program](#)



# Informational Materials

# Short Courses

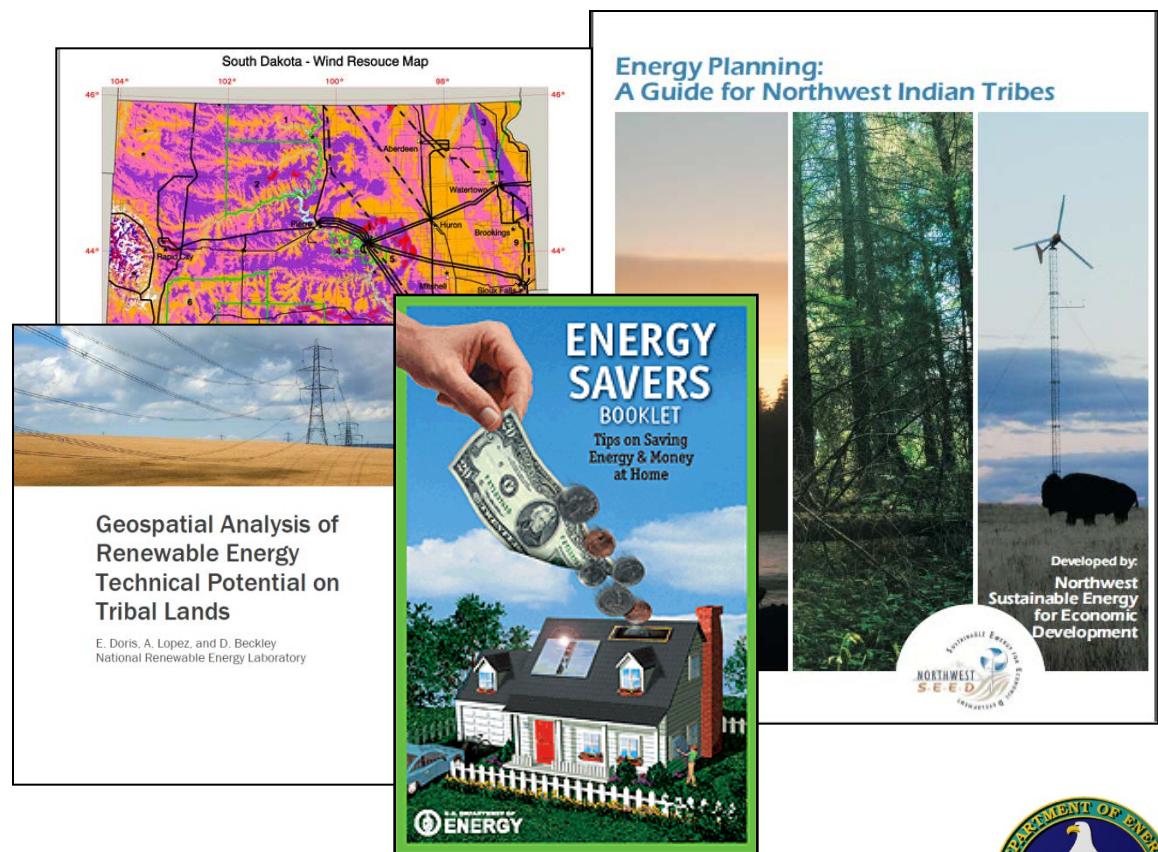
- Analysis & Economics
  - Business & Financing
  - Community Development
  - Demand-side Options
  - Renewable Technologies

## **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



## All Material Posted on Program Website



**Tribal Energy Program**

# 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

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Tribal Energy Program

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[EERE » 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 projects](#)
- Learn how to [develop and implement a clean energy project](#)
- Register for upcoming trainings
- Request technical assistance
- Contact the program's [help desk](#)

[Subscribe to email updates ▶](#)

**FEATURES**

[New Projects Selected for Funding ▶](#)

[Funding Opportunities for Tribes ▶](#)

[2014 Tribal Energy Webinar Series ▶](#)

[Upcoming Program Review ▶  
March 24-27, 2014](#)

**EVENTS**

[2014 NCAI Executive Council Winter Session ▶  
March 11-13 2014](#)

[National Reservation Economic Summit \(RES\) 2014 ▶  
March 17-20 2014](#)

[SBA ONAA Small Business Development in Indian Country ▶  
March 18 2014](#)

[More Events ▶](#)

**FEATURED PUBLICATIONS**

[Tribal Energy Program Brochure ▶](#)

[Renewable Energy Development in Indian Country: A Handbook for Tribes ▶](#)

[Tribal Utility Case Studies ▶](#)

[Guide to Sustainable Tribal Economies ▶](#)

[More Publications ▶](#)

## Providing a Clearinghouse of Information

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# 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

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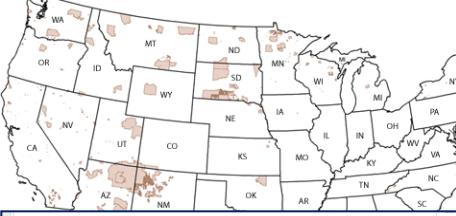
**Projects on Tribal Lands**

The Tribal Energy Program supports a variety of energy-related projects on tribal lands. Through these projects, tribes have built the institutional capacity to manage their energy needs, assessed the feasibility of energy demonstration projects, and demonstrated the viability of installing renewable energy systems on tribal lands.

To see a list of tribal energy projects [by state](#), select a state on the map below. Or:

- [Tribe](#)
- [Technology](#)
- [Fiscal year of award](#) (when it was initially funded)
- [Award type](#) (feasibility study, demonstration project, etc.).

Each project has a detailed description that includes a tribal contact for more information.



**Agua Caliente Band of Cahuilla Indians - 2005 Project**

**Project Description**

The Agua Caliente Band of Cahuilla Indians will establish a comprehensive energy strategic plan that captures economic and environmental benefits while continuing to respect tribal cultural practices and traditions. Their goal is to understand their current and future energy consumption so they will develop a strategic energy plan, including an analysis to clearly identify the energy options for the tribe. The project is anticipated to have a positive impact on the tribe; provide greater understanding of energy efficiency; establish partnerships with energy stakeholders, including electric and natural gas suppliers; and position the tribe to be influential with regional energy development.

**Project Status**

The project is complete. For details, see the final report ([PDF 490 KB](#)) The October 2005 ([PDF 212 KB](#)) and October 2006 ([PDF 3.0 MB](#)) presentations provide additional information. [Download Adobe Reader](#).

**Project Contact**

Todd Hooks (760.883.1350)

**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-PS36-05GO15173
Project Amounts:	DOE: \$89,312 Awardee: \$15,393 Total: \$104,705
Project Status:	Completed
Project Period of Performance:	Start: September 2005 End: August 2006

**Projects in California**

This page lists energy-related projects in California funded by the Tribal Energy Program.

- [Agua Caliente Band of Cahuilla Indians](#) 2010
- [Agua Caliente Band of Cahuilla Indians](#) 2005
- [Augustine Band of Cahuilla Mission Indians](#) 2006
- [Bishop Paiute Tribe](#) 2010
- [Cahuilla Band of Mission Indians](#) 2011
- [Cahuilla Band of Mission Indians](#) 2003
- [Cahuilla Band of Mission Indians](#) 2010
- [Chumash Indians, Santa Ynez Band](#) 2011
- [Elk Valley Rancheria](#) 2010
- [Fort Bidwell Indian Community](#) 2005
- [Fort Mojave Indian Tribe](#) 2003
- [Hoopa Valley Tribe](#) 2006
- [Hoopa Valley Tribe](#) 1995
- [Hoopa Valley Tribe](#) 1994
- [Kanak Tribe of California](#) 2007
- [Luiseno Indians, Soboba Band](#) of 2011
- [Manzanita Band of Mission Indians](#) 2002
- [Manzanita Band of Mission Indians](#) 1999
- [Manzanita Band of Mission Indians](#) 1995
- [Mesa Grande Band of Mission Indians](#) 2004
- [Morongo Band of Cahuilla Mission Indians - Southwest Tribal Energy Program](#) 2010
- [Pinoleville Pomo Nation](#) 2010
- [Ramona Band of Cahuilla Mission Indians](#) 2002
- [Ramona Band of Cahuilla Mission Indians](#) 1999
- [Redwood Rancheria Band of Pomo Indians](#) 2007
- [Scotts Valley Band of Pomo Indians](#) 2010
- [Smith River Rancheria](#) 2005
- [Smith River Rancheria](#) 2003
- [Yurok Band of Mission Indians](#) 2003
- [Yurok Tribe](#) 2007
- [Yurok Tribe](#) 2005
- [Yurok Tribe](#) 2003

**Assuring Visibility of Tribal Projects**

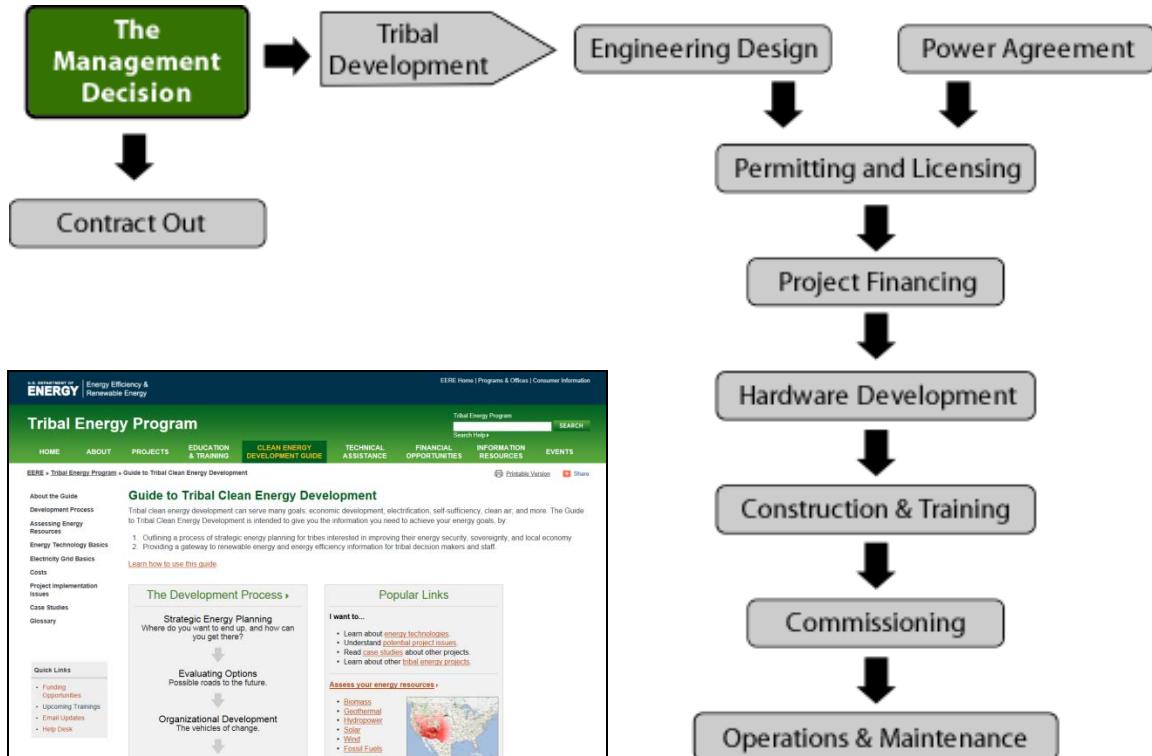


## Tribal Energy Program

# “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

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## 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.

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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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Renewable Energy  
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