

DOE OFFICE OF INDIAN ENERGY

Office of Indian Energy Policy and Programs

Lizana K. Pierce, Senior Engineer and Program Manager
Office of Indian Energy Policy and Programs



U.S. DEPARTMENT OF
ENERGY

Office of
Indian Energy

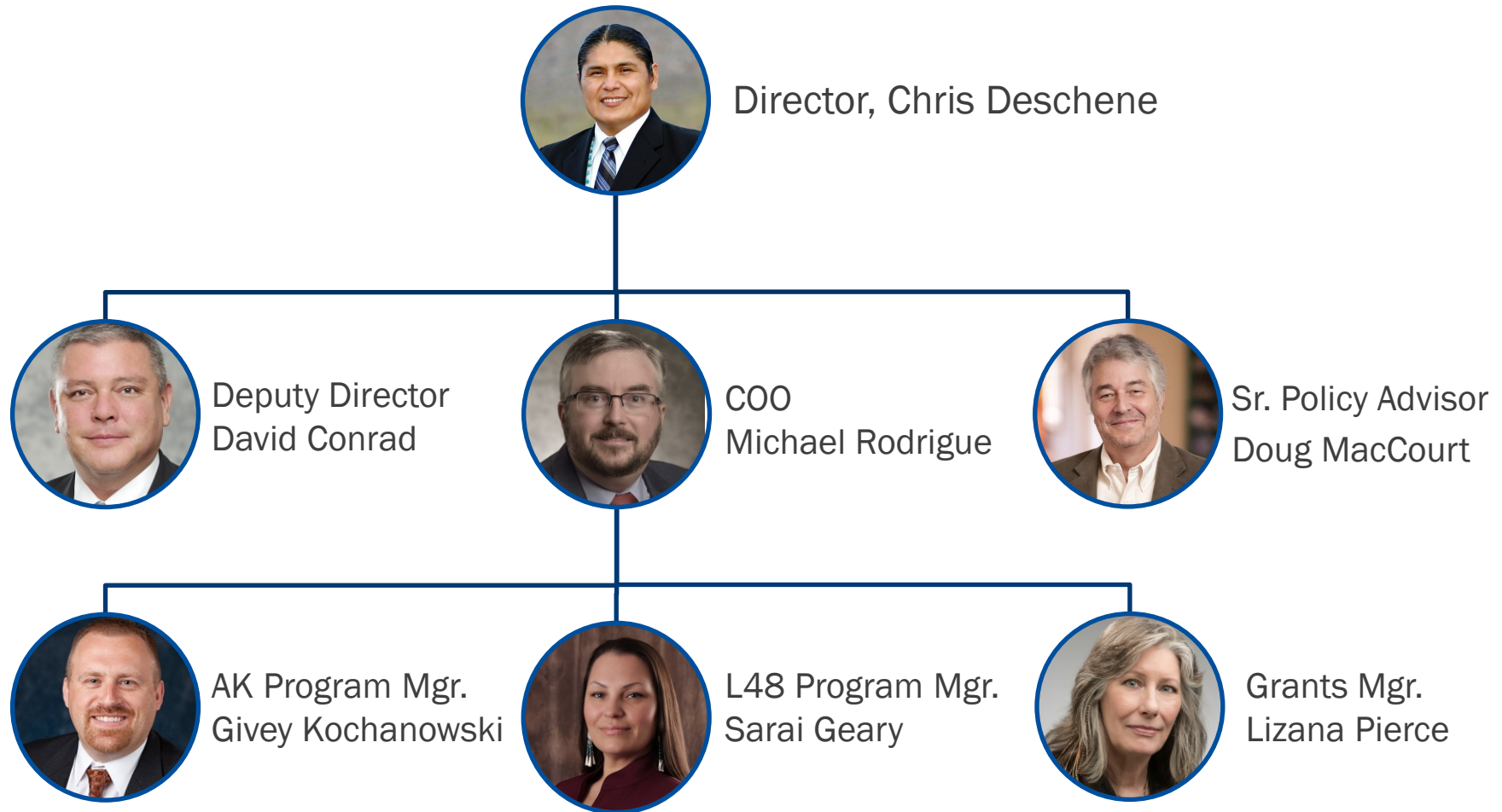
Office of Indian Energy Policy and Programs



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.

Office of Indian Energy Staff



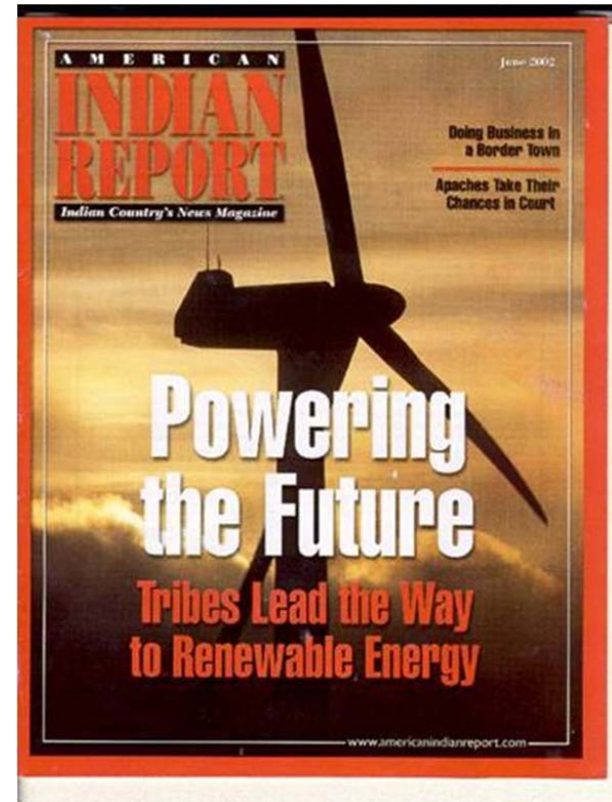
Strengthening Tribal Communities, Sustaining Future Generations

“Within every challenge lie the seeds of opportunity, and I believe tribes are well-positioned to cultivate those seeds through visionary leadership and strategic energy planning.”

**—Christopher Clark Deschene, Director,
U.S. Department of Energy, Office of Indian Energy**

**Powering the Future
Tribes Lead the Way to Renewable Energy**

—American Indian Report (June 2002)



OUR MISSION

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

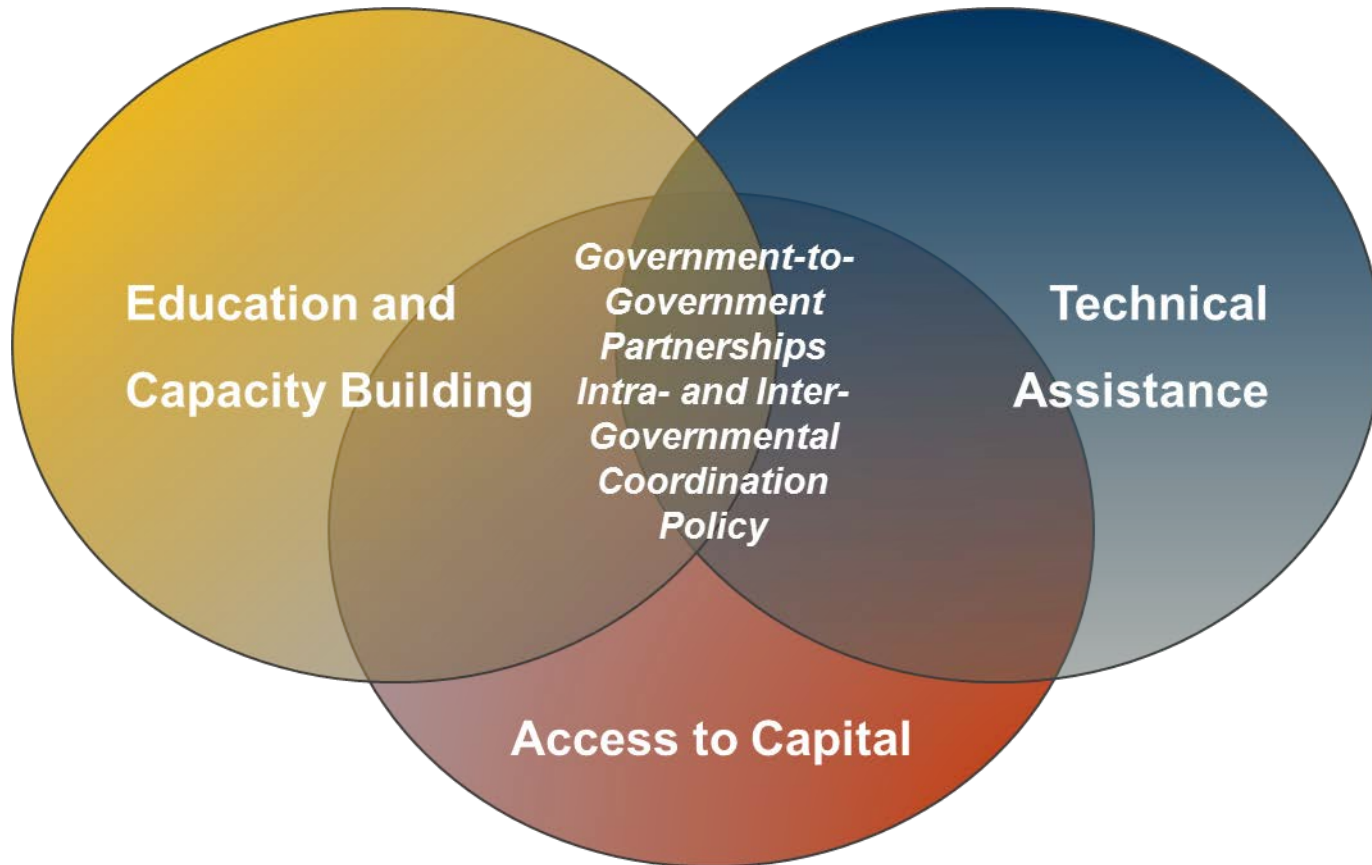
OUR VISION

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
(First 750 kW Turbine on Tribal Lands in contiguous U.S.)

Leveraging Intra- and Inter-Governmental Coordination to Achieve Success through Government-to-Government Partnerships



Financial Assistance

Providing financial assistance to Indian tribes for the development and deployment of energy solutions

Per statute, eligibility applicants include:

- 1) Federally-recognized Indian tribes including
 - a) Alaska Native villages,
 - b) Regional Corporations, and
 - c) village corporations
- 2) Tribal Energy Resource Development Organizations



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

All Funds Awarded through a Competitive Process

Financial Assistance

Providing financial assistance to Indian tribes for the development and deployment of energy solutions

Generally, **“Tribal Organizations”** or **“Inter-tribal Organizations”** may apply on behalf of an Indian Tribe(s), provided evidence of that authority is provided.

- **“Tribal Organization,”** for purposes of this announcement 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.
- **“Inter-tribal Organization”** 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, Alaska Regional Development Organizations, and tribal federations.

FY2015 Financial Assistance

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

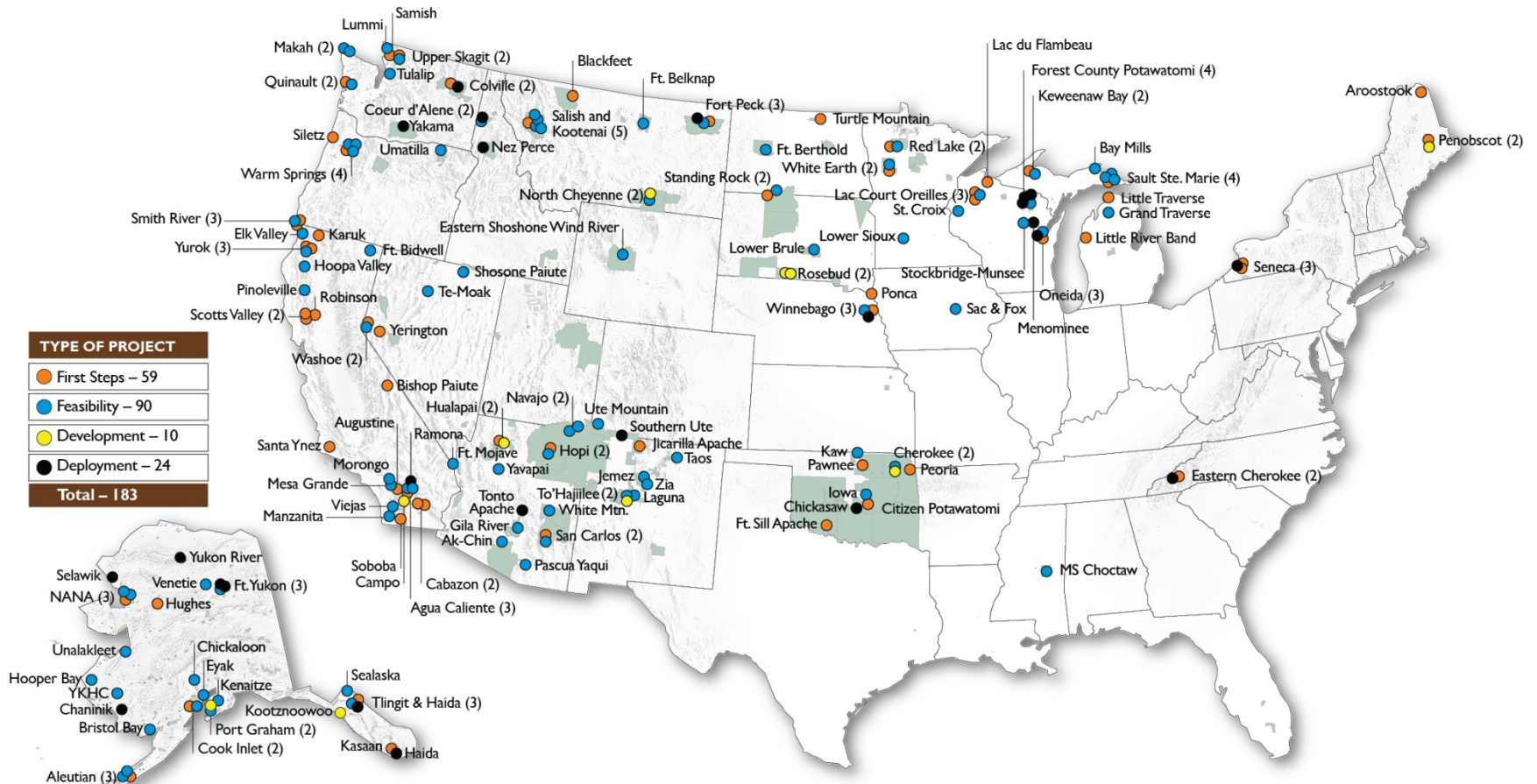
- **Topic Area 1: Tribal Building Clean Energy and Energy Efficiency Retrofits**
 - Facility-scale
 - 10 kW minimum for clean energy systems and 15% displacement of energy source
 - Multiple energy efficiency measures with 20% reduction of all energy
- **Topic Area 2: Deploy clean energy systems on a community-scale**
 - Community-scale
 - 50 kW minimum



Wind evaluation on the Aleutian Islands,
Sand Point (AK)

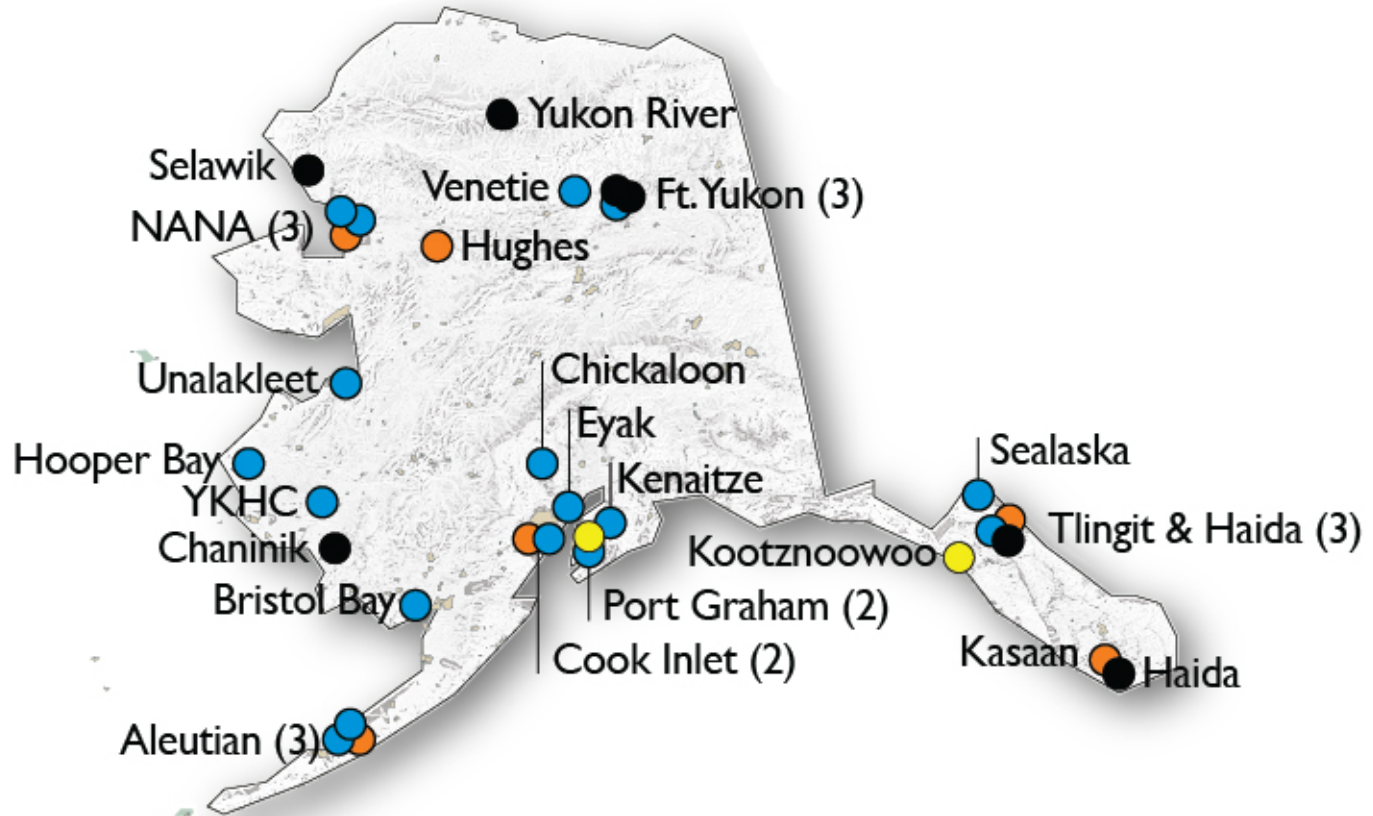
Closes December 10, 2015

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



Leveraged by \$45.6 million in tribal cost share

Alaska Tribal Energy Grant Projects* (2002-2014)



* Excludes grants to 5 START villages and any non-competitive grants

Alaska Tribal Energy Grant Projects (2002-2014)

The development and deployment of energy solutions for the benefit of Alaska Natives

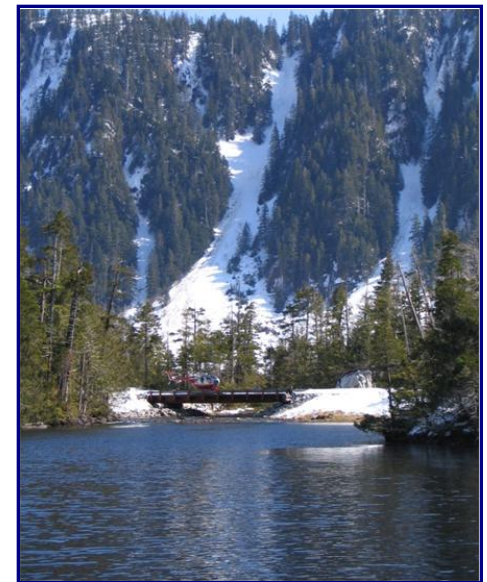


Chaninik Wind Group's Thermal Heating Project (AK)

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



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



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

Alaska Tribal Energy Grant Projects (2002-2014)

The development and deployment of energy solutions for the benefit of Alaska Natives

Port Graham Community (AK)
Building Biomass Heating Design Project



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



Maintenance of **Venetie Village (AK)** solar system, one of the worlds northern most tribally owned systems



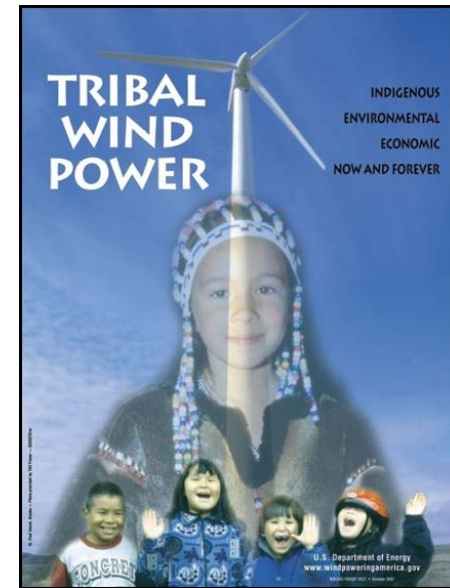
Central Council Tlingit & Haida Indian Tribes of Alaska (CCTHITA) retrofitting four buildings for projected annual savings of \$52,271 (AK)

FY2016 Financial Assistance

Inter-tribal Technical Assistance Energy Providers Network

As a means of providing informational resources and technical assistance to Indian Tribes (including Alaska Native regional corporations and village corporations) on a regional basis, the Office of Indian Energy is considering providing financial and technical assistance to inter-tribal organizations.

- **DOE's Office of Indian Energy issued a Request for Information (RFI) on September 24, 2015**
- **Intend to issue a Funding Opportunity Announcement February 2016**



For the purposes of the RFI, “**inter-tribal organization**” 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, Alaska Regional Development Organizations, and tribal federations.

Remote Alaskan Communities Energy Efficiency (RACEE) Competition

Announced by President Obama in Kotzebue, Alaska
September 2, 2015

Proposed initiative to accelerate deployment of clean and energy efficiency strategies in remote Alaskan communities

- Request for Information (RFI) issued September 29, 2015
- Per the RFI the \$4 million competition proposes three phases:
 - 1) Communities pledges to improve their energy efficiency, and may create or join a peer network
 - 2) Through a competitive process, a subset of those communities will be provided technical assistance to perform baseline data collection and develop energy efficiency plans.
 - 3) Funding to a subset of those communities to implement their energy efficiency plans.




Kenai Peninsula, site of **Kenaitze** (AK) renewable energy feasibility study

Resources

Funding, Technical Assistance, and RFP

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
Oneida Tribe of Indians of Wisconsin RFP  Oneida Tribe of Wisconsin released a request for proposals (RFP) seeking installer and investor for 700 kilowatts of roof-mounted photovoltaic systems on multiple Oneida tribal facilities. The installation firm and its partners should have experience with design and deployment of large photovoltaic systems (greater than 100 kw), multi-project coordination, interconnection, power purchase agreements (PPA), and other requirements associated with large-scale development.	12/04/15
DOE Deployment of Clean Energy and Energy Efficiency on Indian Lands Up to \$6 million in funding is available to accelerate clean energy development on tribal lands. Through this funding opportunity announcement (FOA), DOE Office of Indian Energy will help Indian Tribes (including Alaska Native regional and village corporations) to install: <ul style="list-style-type: none">• Facility-scale clean energy and energy efficiency projects and• Community-scale clean energy projects on Indian lands.	12/10/15
CDFI Fund 2015 Round of New Markets Tax Credit Program The U.S. Department of the Treasury's Community Development Financial Institutions Fund (CDFI Fund) has opened the calendar year (CY) 2015 Notice of Allocation Availability (NOAA) funding round for the New Markets Tax Credit Program (NMTC Program). The NOAA makes up to \$5 billion in tax credit allocation authority available for the CY 2015 round, pending Congressional authorization. Eligible parties must be certified as Community Development Entities (CDEs) by the CDFI Fund. The NMTC Program aims to break this cycle of disinvestment by attracting the private investment necessary to reinvigorate struggling local economies.	12/16/15
Indian Land Tenure Foundation Grants The Indian Land Tenure Foundation has several grants available for tribes focusing on education, cultural awareness, economic opportunity, or legal reform. The Foundation creates grants to Indian nations and nonprofit organizations, and work closely with several affiliate organizations, who share our mission and goals.	
USDA Emergency Community Water Assistance Grants	

www.eere.energy.gov/tribalenergy



Resources

Energy Development Assistance Tool

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:

SEARCH RESULTS

Showing 1 to 10 of 63 entries

TYPE OF ASSISTANCE

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

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

www.energy.gov/indianenergy



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

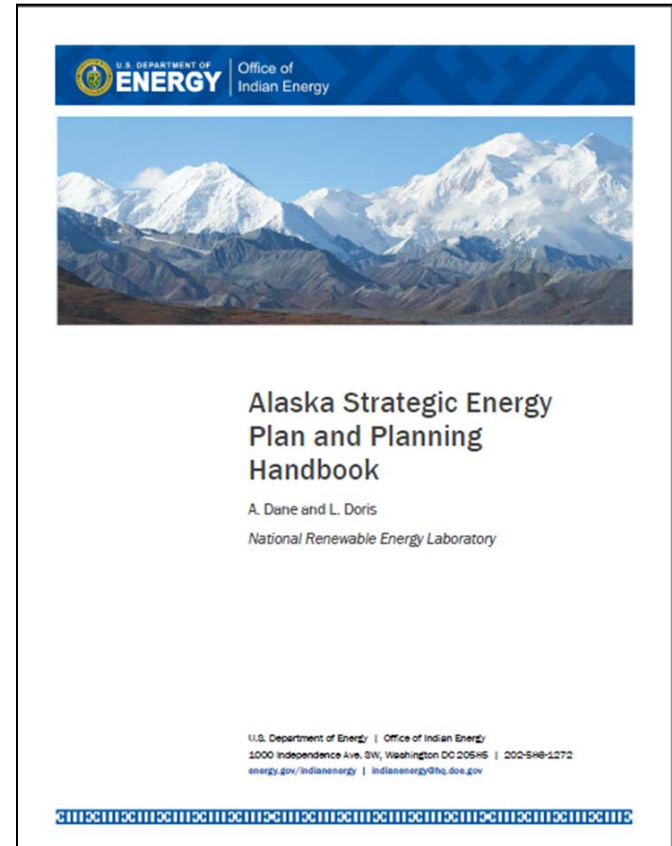


U.S. DEPARTMENT OF ENERGY

Office of Indian Energy

Technical Assistance Request for Tribes

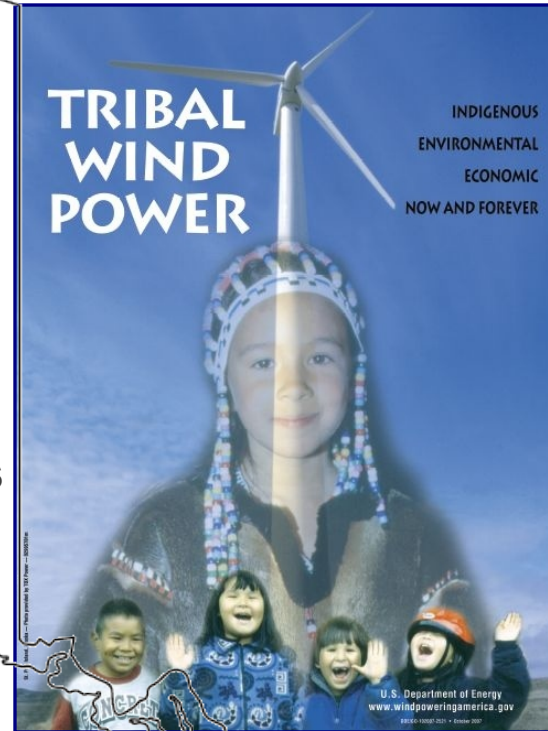
- Offered within available resources
- The application process is a quick and easy on-line process
- The value of technical assistance for Indian tribes is typically limited to 40 hours
- May include, but is not limited to, renewable energy technology information, renewable resource information, energy efficiency techniques, project support, system performance modeling, policy information, design review, special studies, strategic energy planning, and pre-feasibility transmission studies.



Complete Request Form On-line

Education & Capacity Building

- Annual Program Review
- Tribal Summit
- Workshops
- Student Internships
- On-line Resources
- Informational Resources
- Webinars



Annual Program Review

Unique Tribal Forum for Sharing and Learning

- Forum for Indian tribes and Alaska Natives to meet and learn from other each other and share successes
- Networking & learning opportunity
- Forty to fifty (40-50) tribal energy projects presented
- Typically ~200 participants



Planned November 14-18, 2016

Student Summer Internships

Applications

- Applications due each February
- 12 week internship at Sandia National Laboratories (NM)
- See website for application form or subscribe to email updates

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

- Thirty-one (31) interns sponsored since 2002

Contact

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

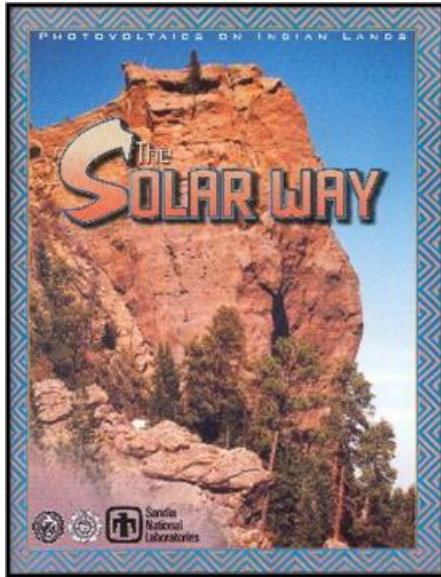
Student Papers & Testimonials Posted



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



Summer Interns on a windy day (2004)



Information Resources

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

Tribal Energy Program

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

EEER Home | Programs & Offices | Consumer Information

Tribal Energy Program SEARCH

EEER • 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...

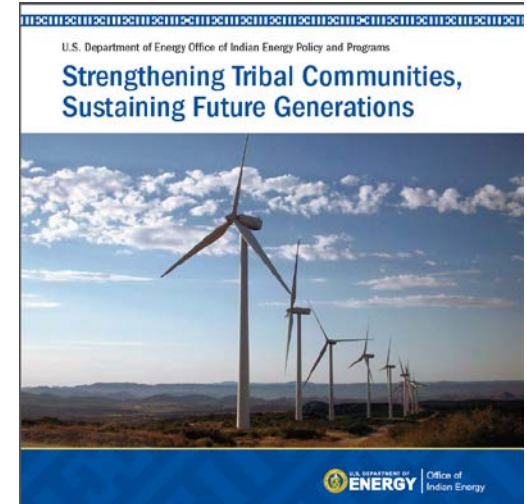
- Learn about [funding opportunities](#)
- Get information on existing [tribal energy projects](#)
- Learn how to [develop a clean energy project](#)
- Register for [upcoming tribal energy events](#)
- Request [technical assistance](#)
- Contact the program's [tribal energy contacts](#)

FEATURES

- 2016 Tribal Energy Program Review
- 2016 Projects Selected for Funding

EVENTS

- Tribes and the New Energy Economy Conference | April 22-23 2015
- EPA ENERGY STAR Webcast: Portfolio Manager Office Hours. Focus Topic: Responding to a Data Request | April 23 2015
- USDA Agricultural Conservation Easement Program Webinar for Tribes | April 23 2015
- More Events



Subcontract Report
NREL/SR-7A4-48078
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 LLP
ATTORNEYS AT LAW

PORTLAND SEATTLE MENLO PARK SALT LAKE CITY

ENERGY.GOV
Office of Indian Energy Policy and Programs

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NEWS

- OCTOBER 26, 2014
President Obama Announces 2015 White House Tribal Nations Conference
- SEPTEMBER 25, 2014
Energy Department Announces Request for Information on the Bureau of Ocean Energy Management's Energy Efficiency Competition
- MORE NEWS
- BLOG
- OCTOBER 21, 2014
Leading the Charge: Doug MacCourt Advances Tribes on Energy Policy
- OCTOBER 15, 2014
Winning the Future: Navajo-Ripon Land Commission Leverages DOE Grants to Advance Solar Ranch Project
- MORE FROM THE BLOG
- UPCOMING EVENTS
- ACM Annual Convention
October 16, 2015 to October 23, 2015
PEP Governing Tribal Operations and Facilities Trainings
October 20, 2015 to October 22, 2015
- MORE EVENTS
- CONTACT US

PROGRAMS & INITIATIVES

- Alaska Native Villages
- Indian Country Working Group
- National Strategy for the Arctic Region

TECHNICAL & FINANCIAL ASSISTANCE

- Apply for Technical Assistance
- Federal Energy Development Assistance Tool
- START Program

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:
Williams 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

Curriculum for Tribes

- Energy Needs
- Technologies
- Project Development
- Project Financing Concepts

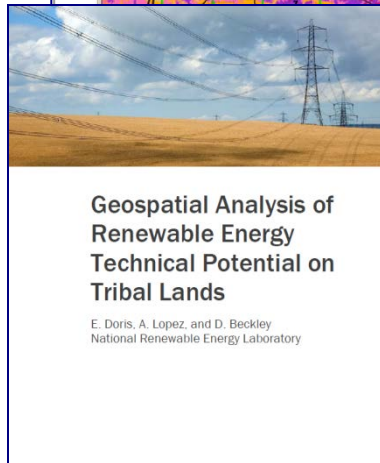
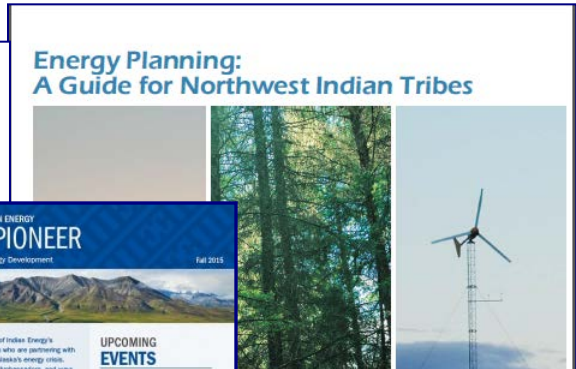
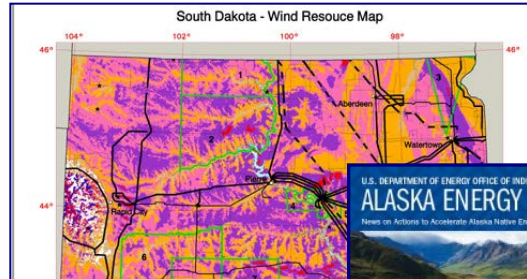
Handbooks & Guides

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

Tools & Models

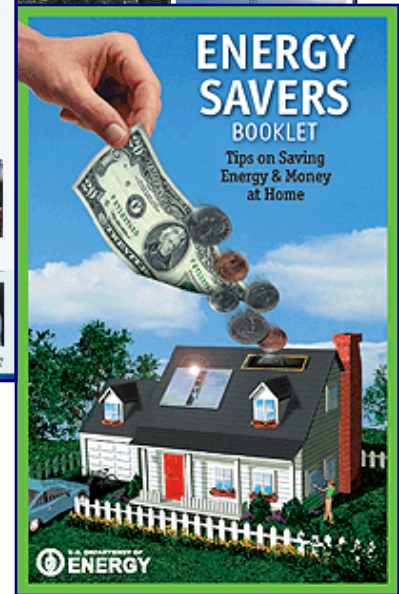
- Resource Potential Maps
- Reservation Specific Wind Maps

Resource Library




Geospatial Analysis of Renewable Energy Technical Potential on Tribal Lands

E. Doris, A. Lopez, and D. Beckley
National Renewable Energy Laboratory



Posted on Program Websites

Energy Resource Library



Office of Indian Energy Policy and Programs

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Home > Resources > Energy Resource Library

ENERGY RESOURCE LIBRARY

- Alaska Native Villages
- Education and Training
- Energy Resource Library**
- Funding Opportunities
- Military Initiative
- Newsletter
- Roundtables
- START Program
- Strategic Energy Planning
- Technical Assistance
- Tribal Energy Program
- Tribal Summit

The Office of Indian Energy resource library provides links to helpful resources for Tribes on energy project development and financing in Indian Country. The library includes links to more than 85 topically relevant publications, websites, videos, and more produced by the Office of Indian Energy and external organizations. The resources are specifically focused on energy topics that help promote Indian tribal energy development, efficiency, and use.

Find resources for Tribes on the following topics:

PROJECT DEVELOPMENT AND FINANCE

- Community-Scale Development
- Finance
- General Project Development and Finance Resources
- Legal and Regulatory
- Project Checklists
- Project Development
- Strategic Energy Planning
- Tribal Case Studies

ENERGY

- Biomass and Waste-to-Energy
- Energy Efficiency
- Fossil Energy
- Geothermal Energy
- General Renewable Energy Technology Resources
- Solar Energy
- Water Energy
- Wind Energy

ADDITIONAL TOPICS

- Climate Change
- Transmission

COMMUNITY-SCALE DEVELOPMENT

Below are resources for Tribes on community-scale energy project development.

- Alaska Native Villages
- Education and Training
- Energy Resource Library
- Funding Opportunities
- Military Initiative
- Newsletter
- Roundtables
- START Program
- Strategic Energy Planning
- Technical Assistance
- Tribal Energy Program
- Tribal Summit


Commercial Lending in Indian Country: Potential Opportunities in an Emerging Market
Explores the commercial lending environment in Indian Country, including the interrelationship of governmental, legal, institutional, organizational, and financial infrastructures. The report examines the major challenges and constraints that have impeded larger scale efforts and describes banking and tribal community responses to these barriers considered critical to successful implementation of commercial lending activities. Source: U.S. Department of the Treasury.

Community Wind Financing Handbook
Provides information on financing community wind projects, including ownership structures, roles of financial intermediaries, and sources of federal and state financial support. Source: Environmental Law & Policy Center.

Community Wind: Once Again Pushing the Envelope of Project Finance
Covers how community wind projects have traditionally been financed, policies that have facilitated financial innovation, case studies on five projects, and lessons learned. Source: Lawrence Berkeley National Laboratory (LBNL).


Connecting to the Grid: A Guide to Distributed Generation Interconnection Issues
Discusses the Interstate Renewable Energy Council's (IREC's) model interconnection standards for generators up to 10 megawatts (MW) and IREC's model net-metering rules for generators up to 2 MW in capacity. It includes information on safety, power quality, and codes, legal and procedural issues, net metering, and electrical inspectors. Source: Interstate Renewable Energy Council.

Contracting for Renewable Energy Services: Update on Power Purchase Agreements
Provides general information about power purchase agreements, guidelines, and contracting procedures, as well as renewable energy contract variables, and links to additional information. Source: New Jersey Department of Community Affairs-Local Finance.



Office of Indian Energy

Tribal Renewable Energy Webinar Series



THE PATH TO TRANSFORMING KNOWLEDGE INTO ENERGY PROJECTS

DOE Tribal Renewable Energy Webinar Series 2015


The U.S. Department of Energy (DOE) Office of Indian Energy Policy and Programs, in partnership with the Western Area Power Administration (Western), is pleased to continue its sponsorship of the DOE Tribal Renewable Energy Webinar Series for 2015.

The webinar series is part of DOE's coordinated efforts to provide education and capacity-building for Tribes and tribal energy resource development organizations. The webinars expand on previous webinars and draw on the existing online training materials available to assist Tribes interested in deploying renewable energy projects.

Presented by:
DOE Office of Indian Energy Policy and Programs
Western Area Power Administration

Why You Should Attend

- Find ways to promote tribal energy sufficiency, stabilize energy costs, enhance energy security, and strengthen tribal energy infrastructure.
- Foster tribal self-determination, economic development, and employment using renewable energy and energy efficiency technologies.




Webinars-at-a-Glance

Webinars are held from 11 a.m. to 12:30 p.m. Mountain Time. There is no charge to attend, but registration is required. Webinars are also recorded and made available on the wapa.gov website. Register for the webinars at <http://energy.gov/indianenergy/webinars>.

PV panels installed on Grand Ronde Tribal Housing Authority carport. Photo from Grand Ronde Tribal Housing Authority, WREI 21794

Date	Topic
January 28, 2015	Best Practices in Developing a Tribal Strategic Energy Plan
February 25, 2015	Models for Tribal Energy Development Organizations
March 25, 2015	Tribal Energy Development Operation and Management Best Practices
April 29, 2015	Innovative Energy Efficiency, Renewable Energy, and Grid Technology Update
May 27, 2015	Models and Tools for Evaluating Energy Efficiency and Renewable Energy Project Opportunities
June 24, 2015	Regulatory Impacts on Indian Lands
July 29, 2015	Best Practices for Developing and Implementing a Request for Proposal
August 26, 2015	Successful Tribal Renewable Energy Projects
September 30, 2015	Effective Ways for Tribal Governments to Work with Utilities
October 28, 2015	Advanced Financing Models
November 18, 2015	Putting it All Together


Office of Indian Energy

Attend the Nov. 18 Tribal Renewable Energy Series Webinar on EPA's Clean Power Plan

Nov. 12, 2015

The U.S. Department of Energy's (DOE's) 2015 Tribal Renewable Energy Webinar Series will conclude with EPA's Clean Power Plan: What Tribes Need to Know on Nov. 18, 2015, from 11:00 a.m. to 12:30 p.m. Mountain Time. Speakers Sara Drescher from Forest Country Potawatomi Community (WI), Jane Gordon from Blue Lake Rancheria (CA), and Laura McElvey from EPA will discuss EPA's Clean Power Plan (CPP)—the first national standard to impose restrictions on carbon pollution from power plants. Attendees will gain insight into the plan's relevance to tribal communities and learn how tribes can and should participate in the 90-day public comment process that kicked off Oct. 23, 2015, with the publication of EPA's final rule for the CPP.

[Learn more about the webinar.](#)

There is no charge to attend, but registration is required. [Register now.](#)

Announcement of the 2016 Series Coming Soon

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

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