

DOE OFFICE OF INDIAN ENERGY

Program Overview

May 5, 2017

Chris Deschene, Director



U.S. DEPARTMENT OF
ENERGY

Office of
Indian Energy

Reality of 567 Federally Recognized Tribes

Staggering gaps between Indian Country and the rest of the U.S.



American Indian and Alaska Native households in large tribal areas are more than **3 times** as likely to live in **overcrowded housing** and more than **11 times** as likely to live in housing without adequate plumbing



Poverty and unemployment rates among American Indian and Alaska Natives living in tribal areas in 2006–2010 were at least **twice as high** as those among non-Indians nationally



Ready access to electricity is still considered a luxury in many tribal communities ... as many as **15,000 Navajo homes** — about **30%** — still lack electricity



More than **175 remote Alaska village populations** rely almost exclusively on diesel fuel for electricity generation and heating oil for heat. In some rural Alaska communities, electricity costs exceed **\$1.00/kilowatt-hour (kWh)** — more than **8 times** the national average of **\$0.12/kWh**



Office of Indian Energy Policy & Programs



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 office for providing tribal communities and Alaska Native villages with the knowledge, skills and resources needed to implement successful strategic energy solutions

Office of Indian Energy Policy & Programs

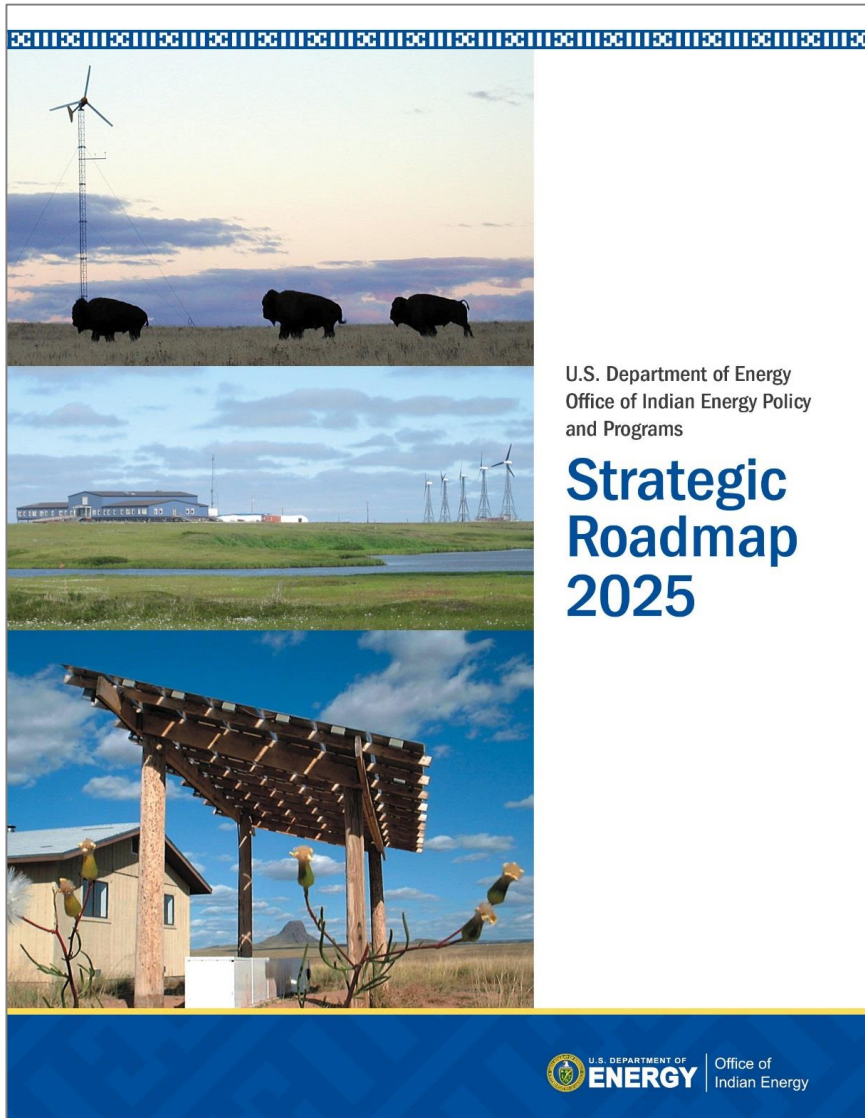
Energy Policy Act Of 2005

Authorizes and directs DOE's Office of Indian Energy to provide, direct, foster, coordinate, and implement energy planning, education, management, and conservation, including:

- Promote Indian tribal energy development, efficiency, and use
- Reduce or stabilize energy costs
- Enhance and strengthen Indian tribal energy and economic infrastructure relating to natural resource development and electrification
- Bring electrical power and service to Indian land and the homes of tribal members.



Rosebud Sioux's (SD) Little Soldier Turbine
(First 750-kW turbine on tribal lands in contiguous United States)



1

Promote Energy Development

2

Reduce or Stabilize Energy Costs

3

Enhance Energy and Economic Infrastructure

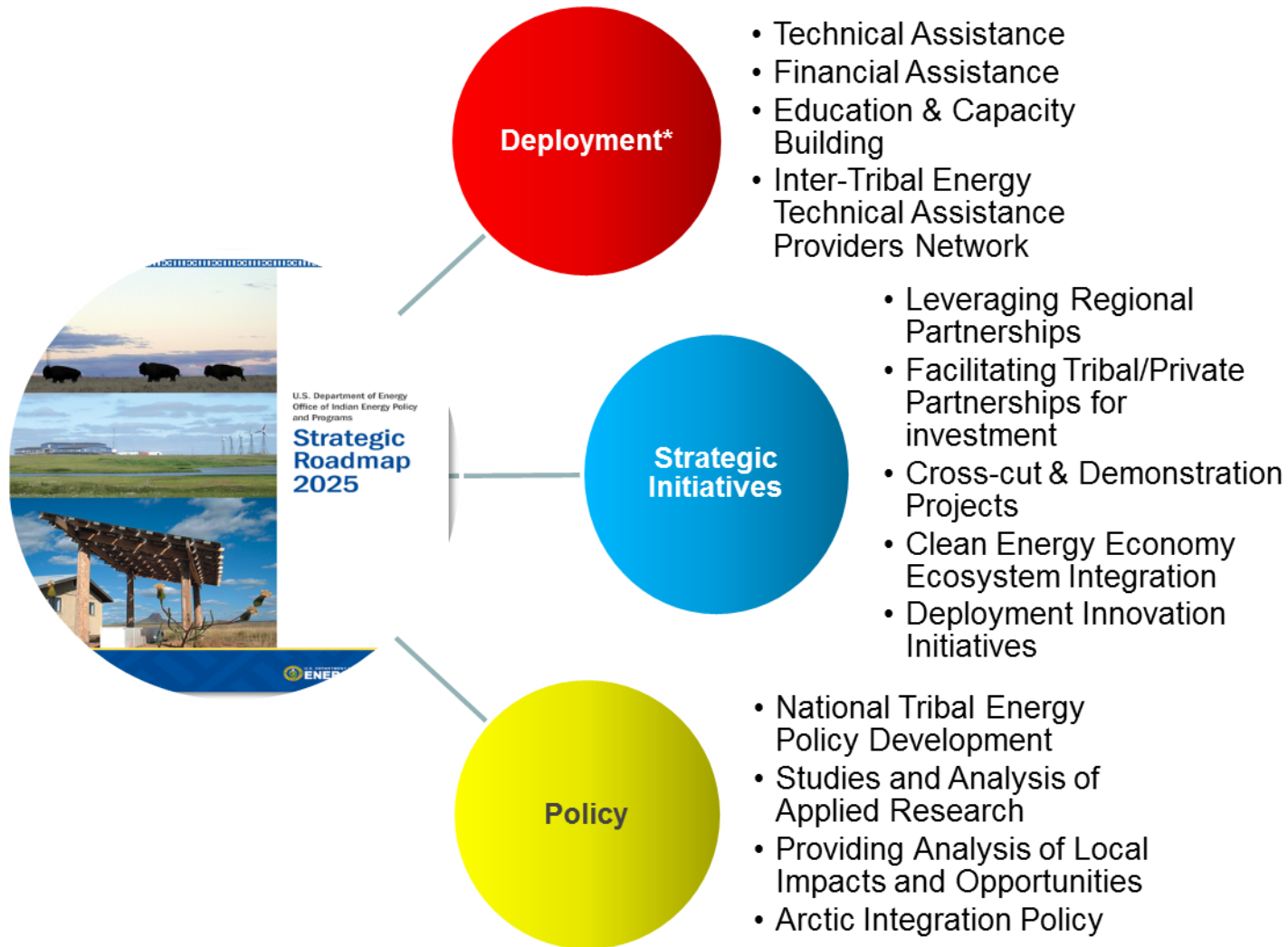
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Foster Electrification

5

Support Energy Initiatives

Big Ideas Supported by IE's Strategic Roadmap



Organizational Accomplishments: 2015-2017



Policy

- Developed Strategic Roadmap 2025.
- Established the Energy Subgroup Committee under the White House Council of Native American Affairs.
- Developed Indian Country Energy and Infrastructure Working Group's policy priorities for tribal energy development.

Deployment

- Solicited and awarded four funding opportunities totaling \$20 million to approximately 40 recipients.
- Established Inter-Tribal Technical Assistance Providers Network
- Developed the Arctic Integration Plan.

Strategic Initiatives

- Organized and executed the National Tribal Energy Summit 2015
- Established Memorandum of Understanding with the Department of the Interior to facilitate cross-agency collaboration
- Supported the White House Tribal Nations Conference
- Facilitated a national discussion on STEM & Workforce Dev.



Office of Indian Energy: FY 2017 Budget Request

Dollars in Thousands

	FY 2015 Enacted	FY 2015 Current	FY 2016 Enacted	FY 2017 Request	House Mark	Senate Mark
Office of Indian Energy Policy and Programs						
Program Direction	1,271	1,271	3,200	4,800	3,200	4,800
Technical Assistance	3,739	3,739	2,900	6,000	6,000	15,200
Tribal Energy Grant Program	10,990	10,990	9,900	12,130	12,130	
Total, Office of Indian Energy Policy and Programs	16,000	16,000	16,000	22,930	21,330	20,000
Federal FTEs	7	7	9	15		

- Funds **Direct Technical Assistance (\$6 million)** to meet the demand that has doubled since 2013.
- Funds **Financial Assistance (\$12 million)** in the form of grants for deployment of innovative energy systems and technologies; the efficient delivery of technical assistance through the Intertribal Technical Assistance Networks; and DOE Grid Modernization and Energy-Water Nexus Crosscuts.
- Provides **6 more FTEs within Program Direction (\$4.8 million)** that are critical to carry out the programs, especially in the remote communities in Alaska and the Arctic.



DOE Order 144.1: Department of Energy's American Indian Tribal Government Interactions and Policy

- Communicates Departmental, programmatic, and field responsibilities for interacting with American Indian Governments and transmit the DOE's American Indian & Alaska Native Tribal Government Policy, including its guiding principles, and transmits the Framework for Implementation of the Policy.

- <https://www.directives.doe.gov>



DOE Order 144.1 – Policy Principles

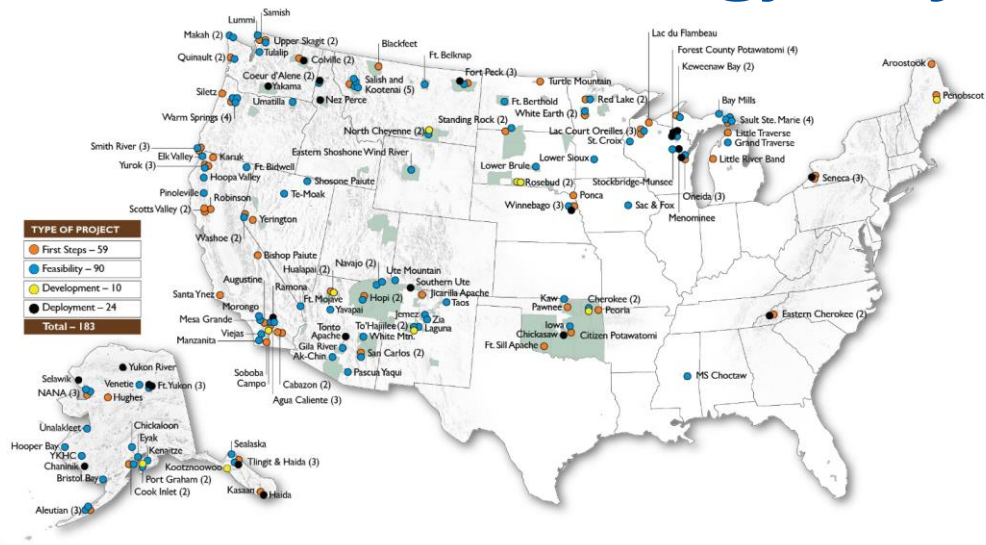


- 1 Recognizing the Federal Trust Responsibilities
- 2 Government to Government Relationship
- 3 Outreach Mechanisms, Consultation, and Tribal Integration
- 4 Cultural Resource Protection & Compliance
- 5 Coordinated Departments Efforts on Program Resources
- 6 Conduct Periodic Tribal Leader Summits
- 7 Working with Other Fed. & State Agencies on Related Matters



Indian Energy Policy & Programs

DOE's Investment in Tribal Energy Projects



DOE has invested **\$66.5 million** in **217** tribal clean energy projects valued at **more than \$126 million** (2002–2016). DOE's investments were leveraged by **\$59.7 million** in tribal cost-share. Tangible results of those shared investments include:

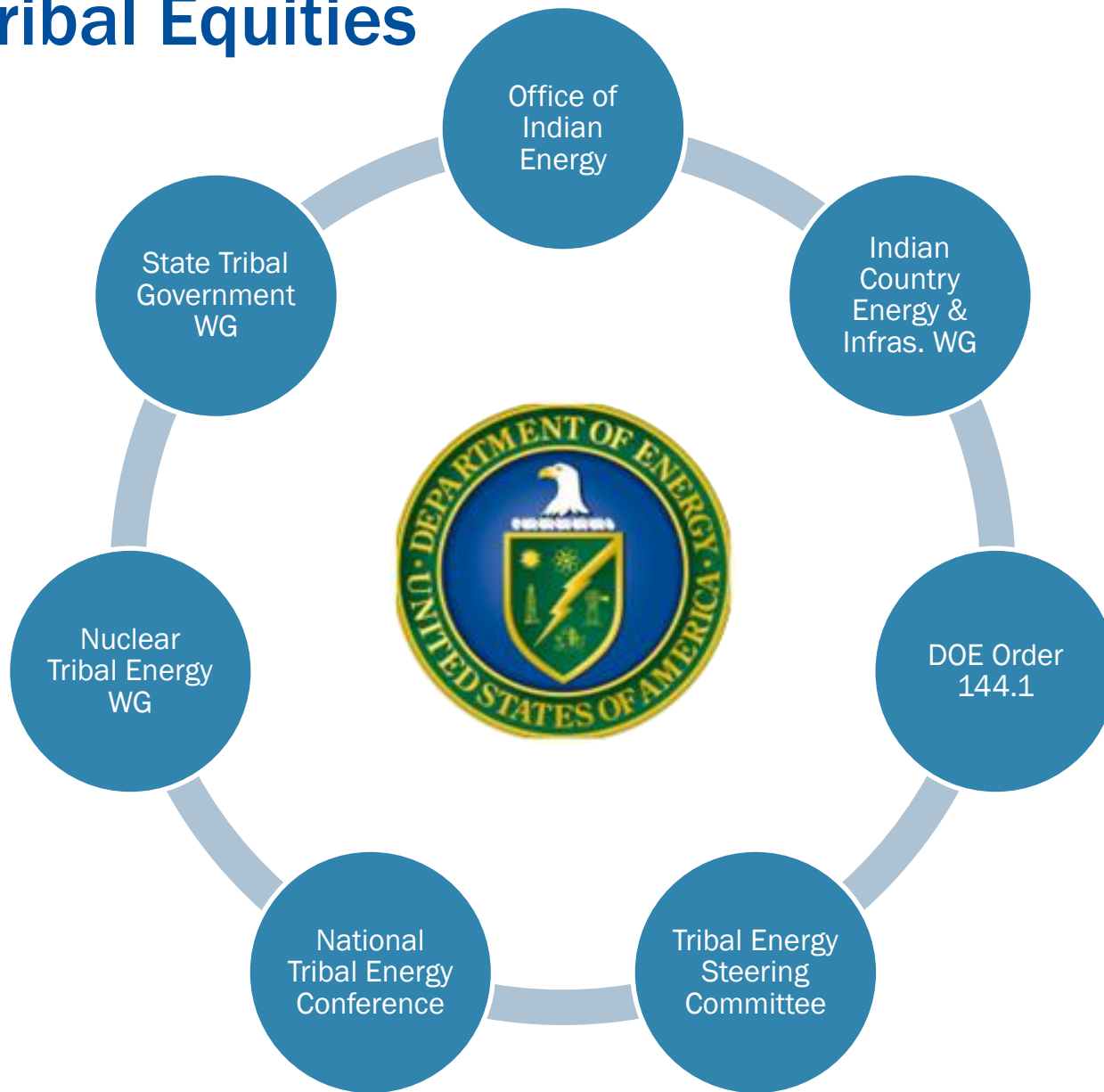
- Retrofitting **70 tribal buildings** saving tribes more than **10 million kilowatt-hours** of energy and **\$2.5 million** per year
- Completing energy audits on more than **250** tribal buildings
- Moving more than **580 MW** of potential new renewable energy generation into development
- Supporting tribes and Alaska Native villages in assessing the potential for more than **4 gigawatts** of new renewable energy generation
- Providing training to more than **170** tribal project participants

2016 Deployment Awards (\$7.7 million)

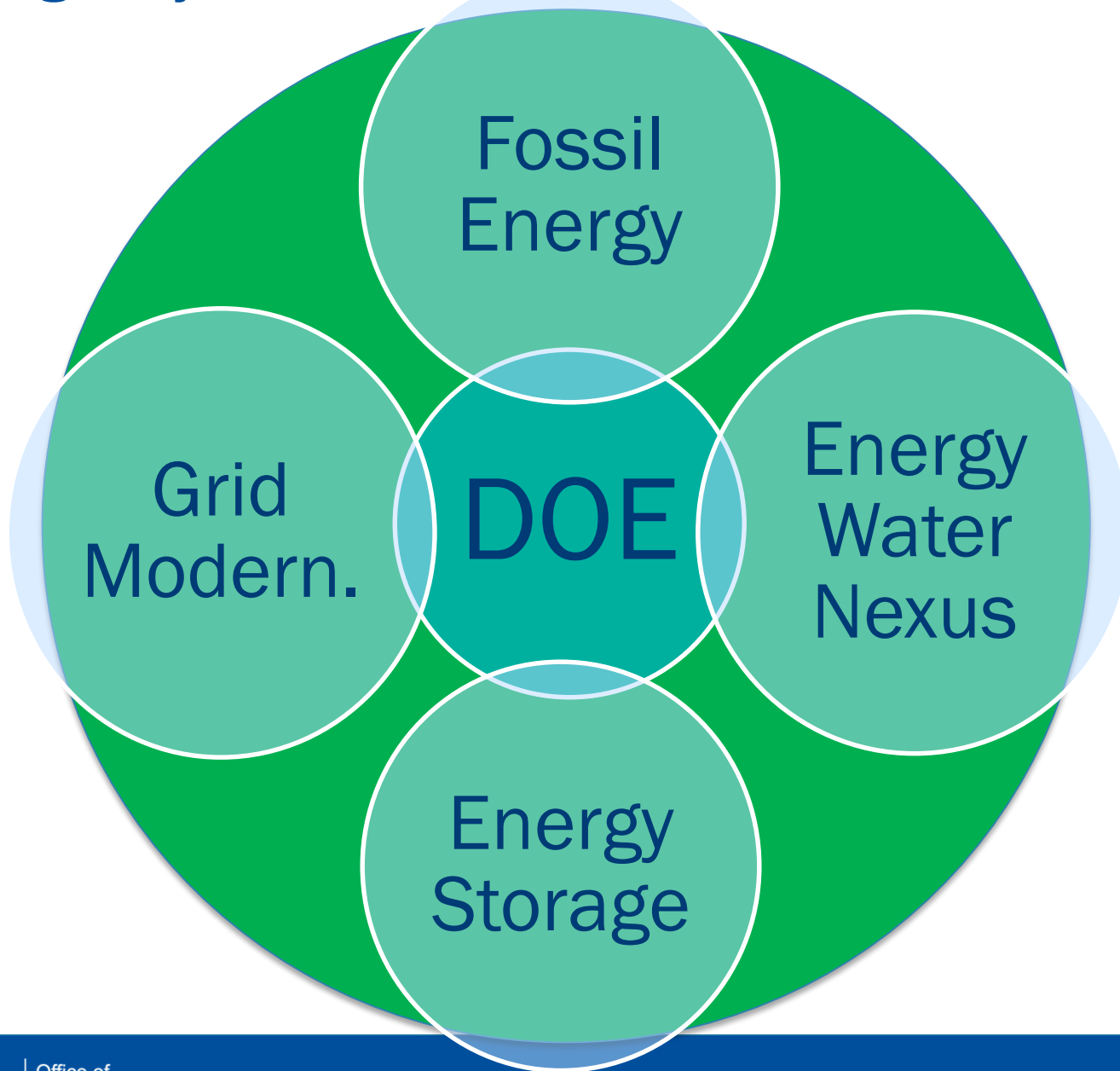
						
<p>Akwesasne Housing Authority</p> <p>Hogansburg, NY</p> <p>Community-Scale AHA Go Solar Initiative</p> <p>DOE: \$1,000,000 Awardee: \$1,219,289 Total: \$2,219,289</p>	<p>Alaska Native Tribal Health Consortium (ANTHC)</p> <p>Kotlik, Alakanuk, and Noorvik, AK</p> <p>Vacuum Sanitation Energy Efficiency Retrofits Project</p> <p>DOE: \$462,373 Awardee: \$217,499 Total: \$679,872</p>	<p>Alaska Village Electric Cooperative, Inc./Pitka's Point Native Corporation Renewable Energy Joint Venture</p> <p>St. Mary's and Pitka's Point, AK</p> <p>Pitka's Point/Saint Mary's Wind Energy Construction Project</p> <p>DOE: \$799,001 Awardee: \$4,886,000 Total: \$5,665,001</p>	<p>Bishop Paiute Tribe</p> <p>Bishop, CA</p> <p>Bishop Paiute Tribe Residential Solar Program-Phase II</p> <p>DOE: \$341,635 Awardee: \$342,000 Total: \$683,635</p>	<p>Chippewa Cree Tribe</p> <p>Box Elder, MT</p> <p>Chippewa Cree Tribe Deployment of Clean Energy Solar PV Project</p> <p>DOE: \$63,435 Awardee: \$63,435 Total: \$126,871</p>	<p>Hughes Village Council</p> <p>Hughes, AK</p> <p>Sustainable Solar Energy for Hughes Village (Hudot'eeekkaakk'e Tribe)</p> <p>DOE: \$623,900 Awardee: \$127,737 Total: \$751,637</p>	<p>Little Big Horn College</p> <p>Crow Agency, MT</p> <p>Little Big Horn College Solar PV Array</p> <p>DOE: \$160,090 Awardee: \$53,363 Total: \$213,453</p>
						
<p>NANA Regional Corporation</p> <p>Kotzebue, AK</p> <p>Community-Scale Solar Energy Deployment in the Northwest Arctic</p> <p>DOE: \$1,000,000 Awardee: \$1,009,724 Total: \$2,009,724</p>	<p>Northern Pueblos Housing Authority</p> <p>Santa Fe, NM</p> <p>Pueblo of Picuris Community Solar Array</p> <p>DOE: \$1,000,000 Awardee: \$1,221,000 Total: \$2,221,000</p>	<p>Rosebud Sioux Tribe</p> <p>Ring Thunder Community, SD</p> <p>Solar Energy Partnership Initiative</p> <p>DOE: \$132,219 Awardee: \$132,220 Total: \$264,439</p>	<p>San Pasqual Band of Mission Indians</p> <p>Valley Center, CA</p> <p>San Diego Tribal Energy Collaborative</p> <p>DOE: \$500,000 Awardee: \$500,000 Total: \$1,000,000</p>	<p>Soboba Band of Luiseno Indians</p> <p>San Jacinto, CA</p> <p>Soboba Community Facility Solar Project (Phase II)</p> <p>DOE: \$500,000 Awardee: \$1,541,130 Total: \$2,041,130</p>	<p>Sokaogon Chippewa Community</p> <p>Crandon, WI</p> <p>SCC Emission-Free and Treaty Resources Protection Clean Energy Initiative</p> <p>DOE: \$1,000,000 Awardee: \$1,152,925 Total: \$2,152,925</p>	<p>White Earth Reservation Tribal Council</p> <p>Ogema, MN</p> <p>White Earth Community Facilities Solar PV Project</p> <p>DOE: \$149,018 Awardee: \$149,020 Total: \$298,038</p>



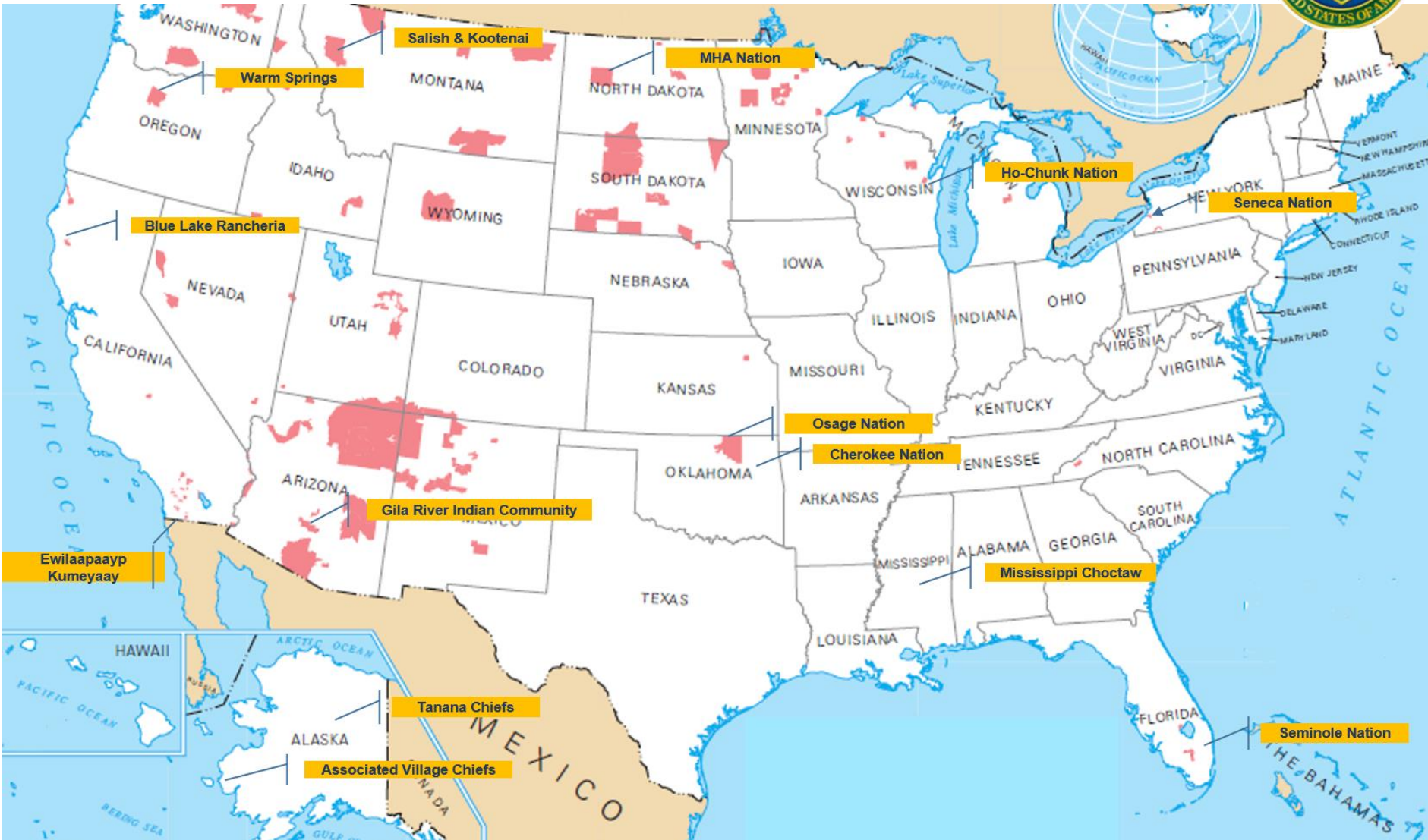
DOE Tribal Equities



Intra-Agency Coordination and Crosscut Teams



Indian Country Energy and Infrastructure Working Group



Indian Country Energy and Infrastructure Working Group



FY 2016 ICEIWG Priorities

1. Increase Access to Capital
2. Secure Energy Costs and Reliability
3. Improve and Modernize Regulatory System and Agency Nexus
4. Capacity Development

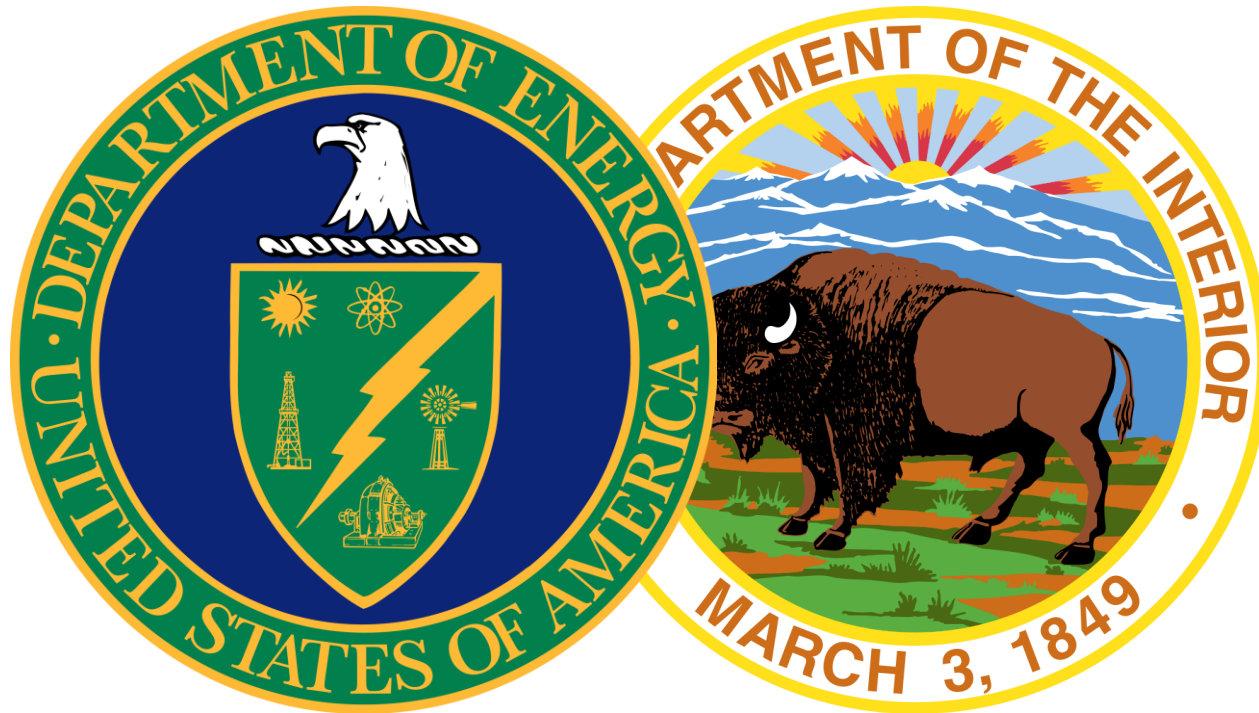
National Tribal Energy Summit

- The bi-annual summit focuses on energy policy priorities important to American Indian tribes and brings together representatives from tribal and state governments, federal agencies, tribal corporations, private industry, utilities, and academia to explore energy development and security issues identified by tribes and the U.S. Department of Energy's (DOE's) Indian Country Energy and Infrastructure Working Group.



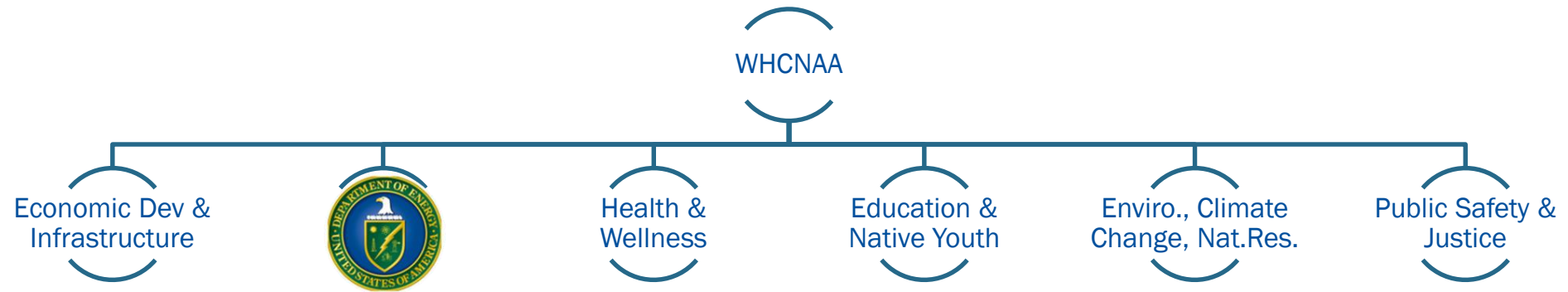
- The 2017 Tribal Summit was held May 1-3 2017, Washington, D.C.

Joint Memorandum of Understanding



Signed June 21, 2016 to create a framework for cooperation on Indian Energy issues between the U.S. Department of Energy and U.S. Department of the Interior.

White House Council on Native American Affairs



Chaired by the Secretary of the Interior, WHCNAA membership consists of heads of federal Departments, Agencies, and Offices, with an Executive Director and inter-agency staff carrying forward WHCNAA priorities. The priorities revolve, generally, around promoting tribal self-determination and tribal self-governance. Additionally, six WHCNAA subgroups have been created to coordinate inter-agency issues. DOE chairs the Energy Subgroup.

Thank You!

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