

DOE OFFICE OF INDIAN ENERGY

# Supporting Tribal Energy Sovereignty

Stephanie Bostwick, Tribal Colleges and Universities Coordinator

Tribal Energy Sovereignty Conference -- March 2023



U.S. DEPARTMENT OF  
**ENERGY**

Office of  
Indian Energy

## Office of Indian Energy leadership



**Wahleah Johns**  
Director  
Washington, D.C.



**David Conrad**  
Deputy Director  
Washington, D.C.



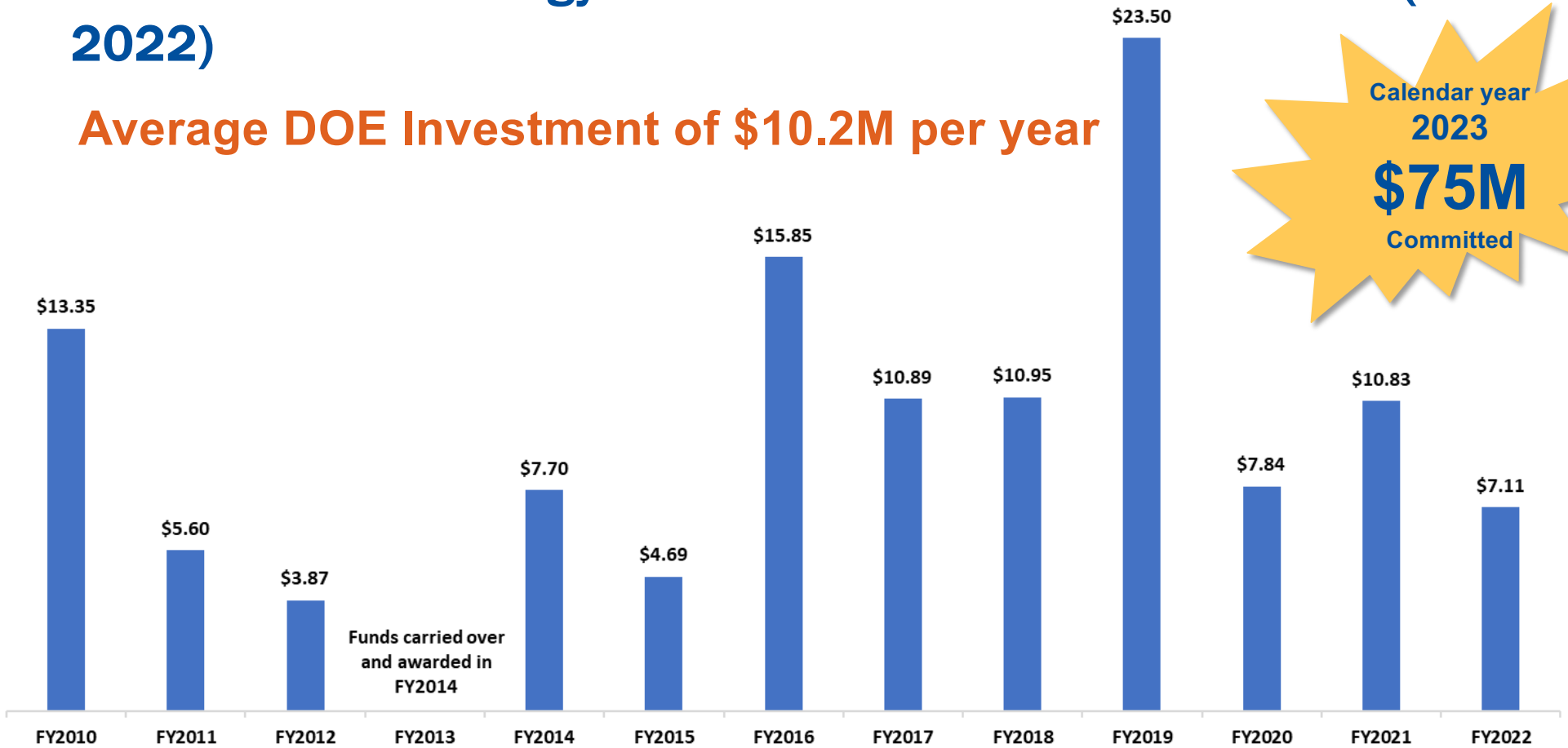
**Lizana Pierce**  
Deployment Supervisor  
Denver, CO

# Office of Indian Energy Policy and Programs



# Office of Indian Energy Financial Assistance Investments (2010-2022)

Average DOE Investment of \$10.2M per year



Between 2010 and 2022, the DOE Office of Indian Energy invested over **\$120 million in more than 210 tribal energy projects**, valued at nearly \$215 million, implemented across the contiguous 48 states and Alaska.



**46 megawatts**

(MW) of new energy generation in Indian Country



**\$315+ million**

collectively saved in communities over life of systems



**8,800+ tribal buildings**

affected



**\$3.38 saved**

for every DOE dollar invested

# U.S. Department of Energy – Office of Indian Energy

## Financial Assistance



Provides funding and financing to support tribal energy development

## Technical Assistance



Offers no-cost technical assistance to advance tribal energy and infrastructure projects

## Education and Capacity Building



Supports internal capacity building to develop energy projects and navigate energy markets



# Updates since last fall...



U.S. DEPARTMENT OF  
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**FUNDING SELECTION**



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**\$38 Million** Announced for 13 American  
Indian and Alaska Native Communities



## ■ ■ **13 Awards (\$38 Million) – Clean Energy Technology Deployment on Tribal Lands**

1. **Alaska Village Electric Cooperative, Inc.** (Anchorage, AK)
2. **Barona Group of Capitan Grande Band of Mission Indians** (Lakeside, CA)
3. **Chitina Electric, Inc.** (Chitina, AK)
4. **Cocopah Indian Tribe** (Somerton, AZ)
5. **Fond du Lac Band of Lake Superior Chippewa** (Cloquet, MN)
6. **Forest County Potawatomi Community** (Crandon, WI)
7. **Metlakatla Indian Community** (Metlakatla, AK)
8. **Minnesota Chippewa Tribe - White Earth Band of Chippewa Indians** (Ogema, MN)
9. **Muscogee (Creek) Nation** (Okmulgee, OK)
10. **Northwest Arctic Borough** (Kotzebue, AK)
11. **Oneida Indian Nation** (Oneida, NY)
12. **Penobscot Indian Nation** (Indian Island, ME)
13. **Sac and Fox Tribe of the Mississippi in Iowa** (Tama, IA)



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# 2023 Program Review



**FUNDING SELECTION**



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**\$3 Million** Announced for  
Two Tribal Colleges and Universities

## ■ 2 Awards (\$3 million) – Transitioning Tribal Colleges and Universities to Clean Energy

•**Blackfeet Community College** (Browning, MT): This project will install approximately 136-kW ground-mounted solar PV system on the Blackfeet Community College campus. This project combined with previous solar installations will transition the entire 17 building campus to 100% renewable energy and provide hands-on training for three students and the savings reinvested back into the College to help students and the community. **(Requested DOE Funds: \$ 630,834)**

•**Turtle Mountain Community College** (Belcourt, ND): This project will install a 120-kW ground-mounted solar photovoltaic (PV) system and a 2,356 square foot 2-stage solar air heat (SolarWall®) system for the 15,550 square foot Career and Technical Education (CTE) facility where solar and renewable energy curriculum will be deployed and improved building energy efficiency through optimization of existing geothermal resources. These systems are estimated to reduce electricity costs of the CTE by over 50% and save more than \$1 million over the life of the systems. The associated curriculum will target high-wage occupations that lead to employment and self-sufficiency for participants. **(Requested DOE Funds: \$ 2,400,532)**



# Breaking news...



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Office of ENERGY EFFICIENCY  
& RENEWABLE ENERGY

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# Tribal Entities: Apply to Host a Clean Energy Innovator Fellow!

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Increasing access to Tribal clean energy career opportunities and accelerating the national transition to resilient and affordable clean energy.

**NOTICE OF INTENT**



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**\$25 Million** for Clean Energy Technology  
Deployment on Tribal Lands

## Clean Energy Technology Deployment on Tribal Lands – 2024 (DE-FOA-0003297)

- Install clean energy generating system(s) and/or energy efficiency measure(s) for Tribal Building(s)
- Deploy community-scale clean energy generating system(s) or energy storage on Tribal lands
- Install integrated energy system(s) for autonomous operation (independent of the traditional centralized electric power grid) to power a single or multiple Essential Tribal Building(s) during emergency situations or for Tribal community resilience
- Power unelectrified Tribal Buildings



2024 IE webinar series: Tribes Leading the Way in the Clean Energy Transition

 **Webinar – Thu, Feb 15, 2024 10:00 AM - 12:00 PM PST**

## **Successful Grant Applications for Tribal Clean Energy Projects**

- Learn how to plan for and prepare a successful grant application from two Tribal communities.
- The Office of Indian Energy will also share opportunities and resources to support your energy vision, including no-cost technical assistance, policies impacting Tribal engagement with utilities, and funding opportunities.
- Sign-up on the Office of Indian Energy website!



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# Report to Congress





## Access to Electricity

An estimated **17k** Tribal homes have no electricity, impacting 54,000 people.



## Energy Burden

The average energy burden of Tribal land residents is **28.3%** higher than the average U.S. citizen.



## Power Outages

Tribal communities experience **6.5 times more electricity outages per year\*** than the national average.

\*Based on self-reported grant application data.



### Tribal Electricity Access and Reliability

Report to Congress  
August 2023

United States Department of Energy  
Washington, DC 20585



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GRID DEPLOYMENT OFFICE

GRID RESILIENCE STATE AND TRIBAL FORMULA GRANTS:

## FY24 ALLOCATION REQUEST AND APPLICATION PERIOD OPEN

### GRID RESILIENCE STATE AND TRIBAL FORMULA GRANTS FY24 WEBINAR



Date: February 1, 2024



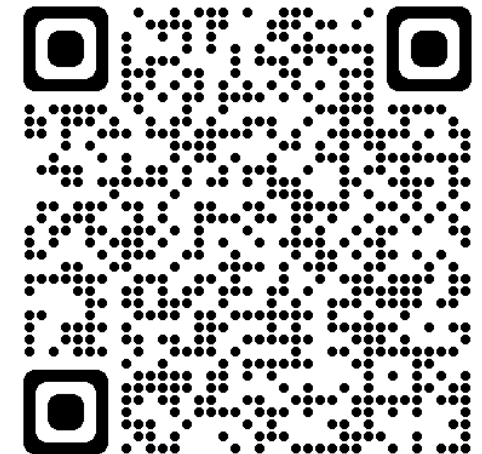
Time: 2 - 3:30 p.m.ET



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GRID DEPLOYMENT OFFICE

- Allocation requests and applications are now open for fiscal year 2024 (FY24) Grid Resilience State and Tribal Formula Grant funding!
- **Allocation requests and applications will be accepted now through April 17.**
- This funding, available to all states, territories, and tribal entities, will help:
  - Boost clean energy
  - Decrease energy costs
  - Keep the lights on for millions of Americans across the country

Use the QR code or URL to find your tribe's allocations:  
<https://netl.doe.gov/bilhub/grid-resilience/formula-grants>



Questions? email [GDOTribalAssistance@hq.doe.gov](mailto:GDOTribalAssistance@hq.doe.gov)

# SCEP: Tribal Home Energy Rebate Program - formula grants!

Tribal Home  
Energy Rebates



Section 50122  
of the Inflation  
Reduction Act

Amount: **\$225M for Indian Tribes**

Through: September 30, 2031 (**LOIs due May 15, 2024**)

**Goal: Develop, implement and subsidize residential electrification and appliance upgrade projects for Tribal and Alaskan Native households.**



## Qualified Electrification Projects\*

Maximum Rebate Per Improvement	
Electric heat pump HVAC system	up to <b>\$8,000</b>
Electric heat pump water heater	up to <b>\$1,750</b>
Electric stove, cooktop, range or oven	up to <b>\$840</b>
Electric heat pump clothes dryer	up to <b>\$840</b>
Electric circuit panel upgrade	up to <b>\$4,000</b>
Insulation, air sealing and ventilation	up to <b>\$1,600</b>
Electric wiring upgrades	up to <b>\$2,500</b>

**Total electrification rebates cannot exceed \$14,000 per household**

While subject to the caps noted in the chart, rebates can cover:

- **up to full project costs** for low-income households (less than **80% Area Median Income**)
- **up to half of** project costs for moderate-income households (**80 - 150% Area Median Income**)

*\*Section 50122 requires that projects must use Energy Star certified equipment.*

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We work alongside American Indian & Alaska Native communities to develop and deploy energy solutions.

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**2024 DOE TRIBAL CLEAN ENERGY SUMMIT**

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Aug 1 • 🌐

Earlier this month, our Office of Indian Energy team celebrated with the **Spokane Indian Housing Authority (SIHA)** at the kickoff of the n... See more

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