

DOE OFFICE OF INDIAN ENERGY

Supporting Tribal Energy Sovereignty

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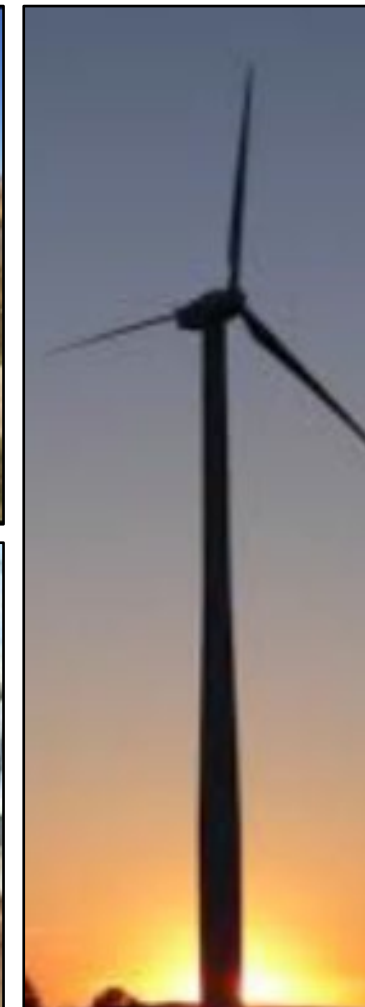
Office of Indian Energy Policy and Programs



Office of Indian Energy

The DOE Office of Indian Energy is charged by Congress under the **Indian Tribal Energy Development and Self Determination Act of 2005** (Title V of the Energy Policy Act of 2005) to “**provide, direct, foster, coordinate, and implement energy planning, education, management, conservation, and delivery programs 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.”



Clockwise from right: **Seneca Nation’s (NY) 1.5-MW wind turbine**, **Sokaogon Chippewa Community (WI) Housing Project**, and **Chippewa Cree Tribe’s (MT) Residential Solar**.

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

Highlighting Northwest Tribal Energy Projects!



Confederated Tribes of the Umatilla Indian Reservation (CTUIR)

- **Completed 2019**
- LED lighting retrofit and solar photovoltaics for three tribal buildings.
- Project amounts:
 - DOE: \$133,705
 - Awardee: \$133,706
 - Total: \$267,411

Coeur d'Alene Tribe (CDA)

- **Completed 2021**
- Solar photovoltaic for tribal senior housing complex
- Project amounts:
 - DOE: \$92,500
 - Awardee: \$74,241
 - Total: \$185,000

Spokane Indian Housing Authority (WA)

- Plan to install solar serving 140 SIHA managed homes.
- Project amounts:
 - DOE: \$2,529,474
 - Awardee: \$885,842
 - Total: \$3,415,316

Tribal residential energy project successes



Ute Mountain Ute Tribe (CO)

- Solar for 23 homes and Supportive Housing Building managed by UMUT Housing Authority
- Project amounts:
 - DOE: \$432,661
 - Awardee: \$111,679
 - Total: \$544,340

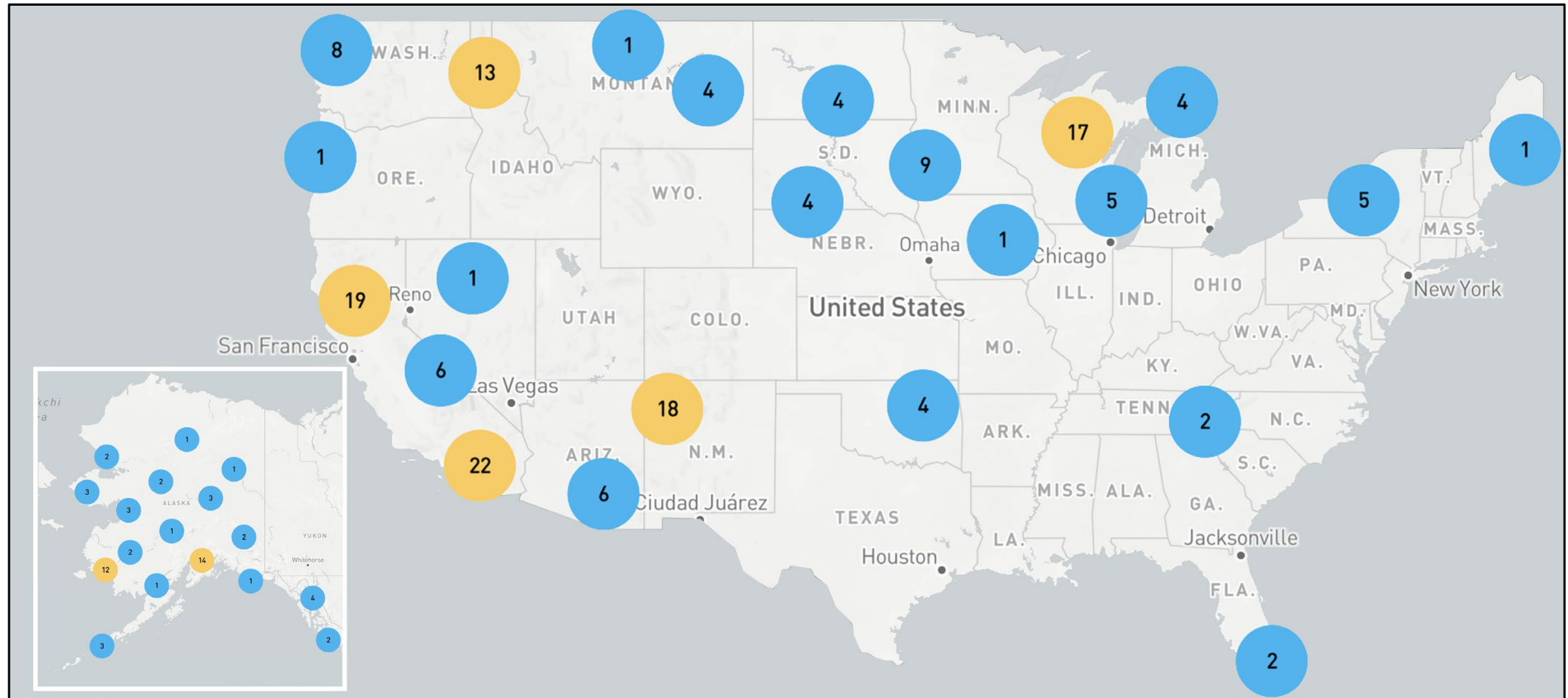


Bishop Paiute Tribe (CA)

- Solar for 19 homes
- Project amounts:
 - DOE: \$154,760
 - Awardee: \$189,877
 - Total: \$344,647

Financial Assistance: Office of Indian Energy Investments 2010–2022

- More than **\$120 million** invested in over **210 tribal energy projects**
- Valued at more than **\$215 million**
- Leveraged by over **\$93 million** in recipient cost share

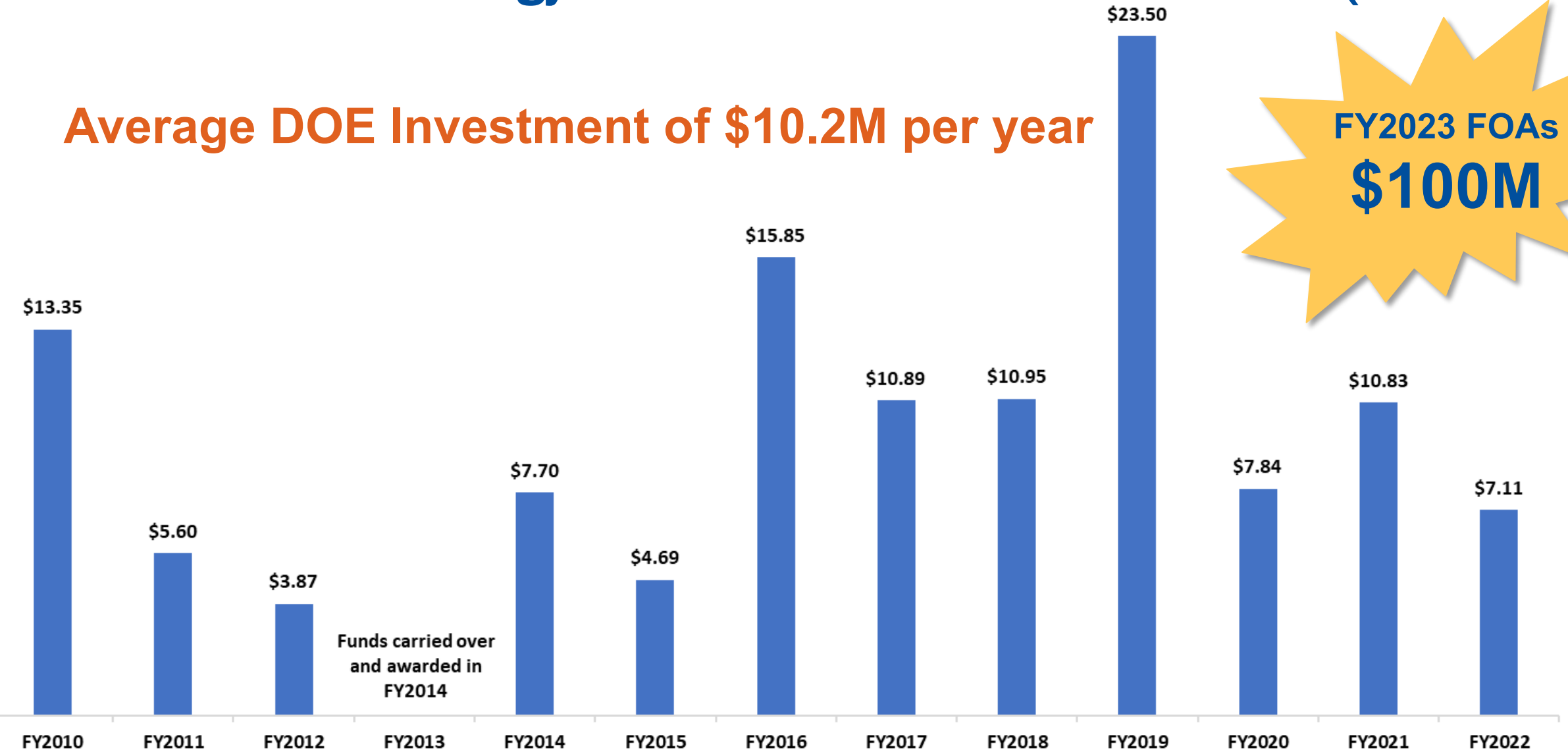


For more information on funded projects, see:
energy.gov/indianenergy/tribal-energy-projects-database

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

Average DOE Investment of \$10.2M per year

FY2023 FOAs
\$100M



■ ■ \$34M Awards Announced

Clean Energy Technology Deployment on Tribal Lands – 2022 (DE-FOA-0002774)

- Clean energy generating systems and/or energy efficiency measures for tribal buildings.
- Community-scale clean energy generating systems or community energy storage deployment.
- Integrated energy systems for autonomous operation for powering essential tribal buildings or tribal community resilience.
 - **16 awards**

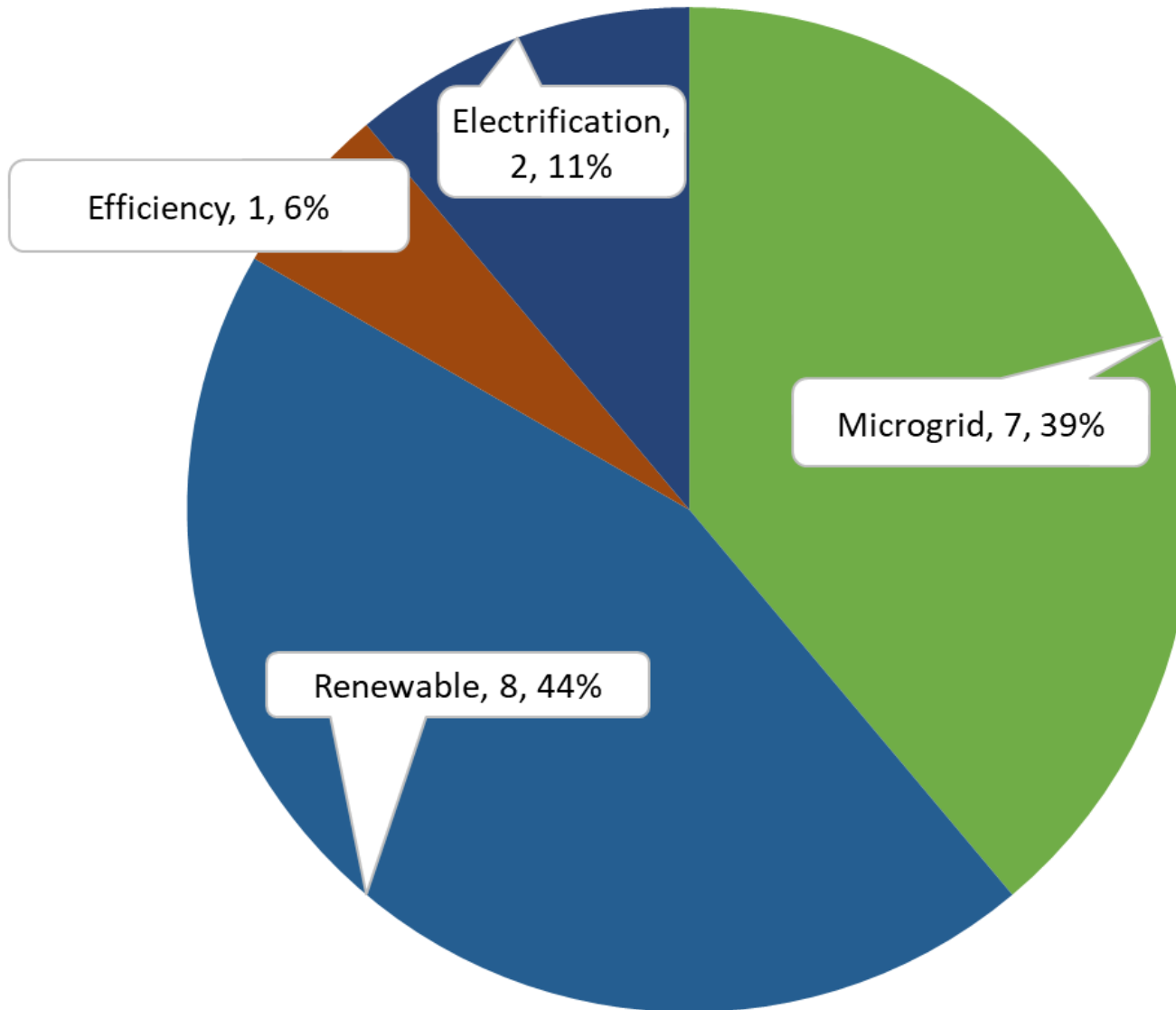
Powering Unelectrified Tribal Buildings – 2022 (DE-FOA-0002771)

- Provide electric power to tribal buildings, which otherwise would be unelectrified, by deploying integrated energy systems or energy infrastructure.
 - **2 awards**

18 Awards

1. Alaska Village Electric Cooperative/Shaktoolik IRA Renewable Energy Joint Venture
2. Atmautluak Tribal Utilities
3. Barona Group of Capitan Grande Band of Mission Indians
4. Colusa Indian Community Council
5. Coyote Valley Band of Pomo Indians
6. Galena Village aka Louden Tribe
7. Hopi Utilities Corporation
8. Lummi Indian Business Council
9. Match-E-Be-Nash-She-Wish Band of Pottawatomis Indians
10. Native Village of Port Heiden
11. Nuvista Light & Electric Cooperative, Inc.
12. Oglala Lakota Housing Authority
13. Oneida Indian Nation
14. San Carlos Apache Tribe
15. Standing Rock Sioux Tribe
16. The Navajo Nation Tribal Government Ojo Encino Chapter
17. Tule River Economic Development Corporation
18. Yakama Nation Housing Authority

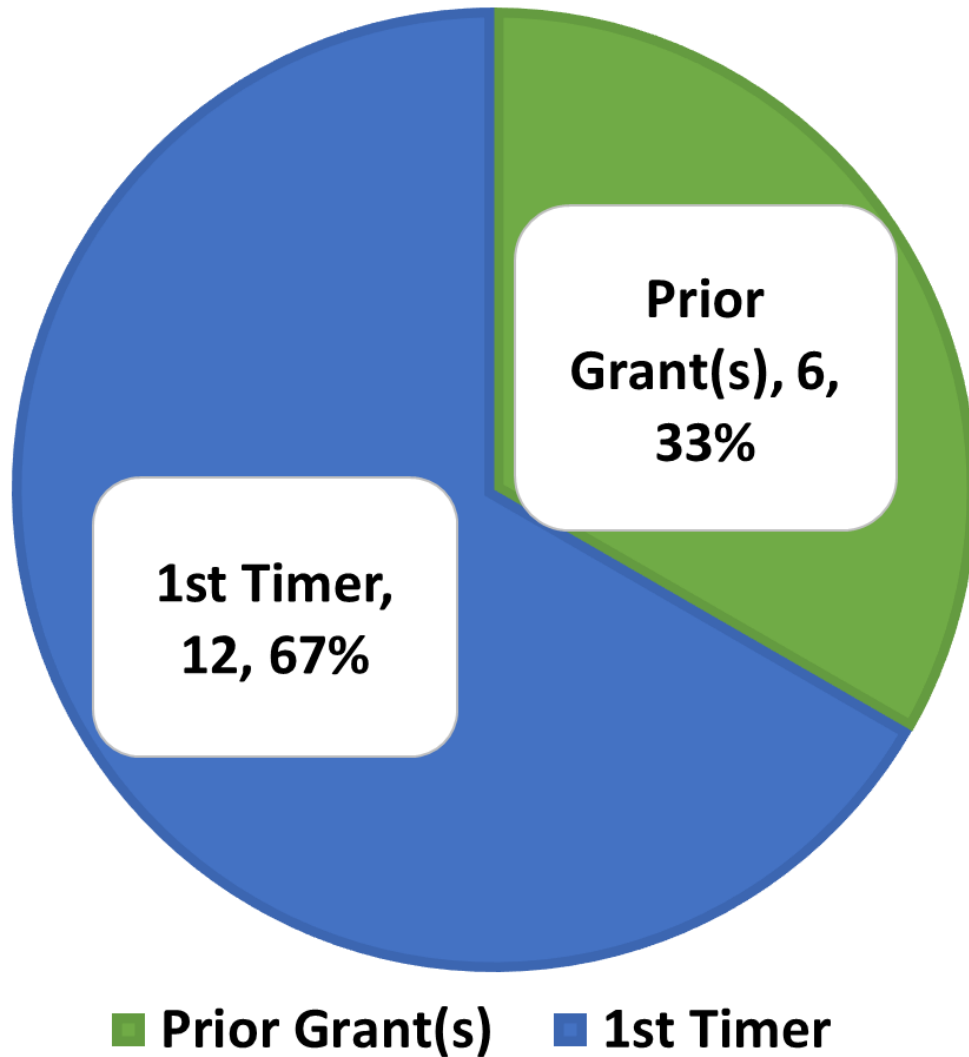
Technology Diversity: Renewable, Microgrid, Electrification and Efficiency



Technology

- **Renewable – 44%**
- **Microgrid – 39%**
- **Electrification – 11%**
- **Efficiency – 6%**

1st Time Applicants vs. Prior Grantees



Prior vs 1st Timer

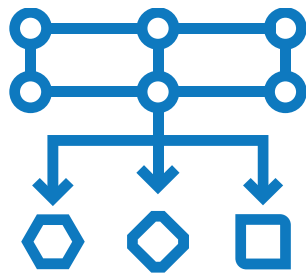
- 1st Timer – 67%
- Prior Grantee – 33%

Expected Impact to Tribal Communities

- More than **nine megawatts** of new **clean energy generation**.
- More than **6,700 megawatt-hours** of **battery storage**.
- Impact **1,000 tribal buildings**.
- Save tribal communities more than **\$100 million** over the life of the systems.

This investment will yield tangible benefits year after year to **improve the quality of life** for these underserved communities.

Office of Indian Energy - Technical assistance types



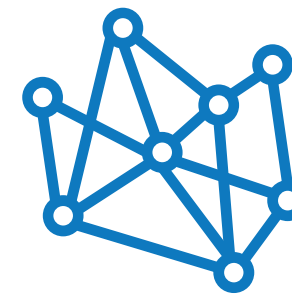
Technical Analysis

- Addresses a specific project need and results in a tangible product or deliverable to move a project forward.
- Generally, involves analysis and modeling, expert review, transmission and/or utility assessment, market access, and energy efficiency reviews.



Financial Analysis

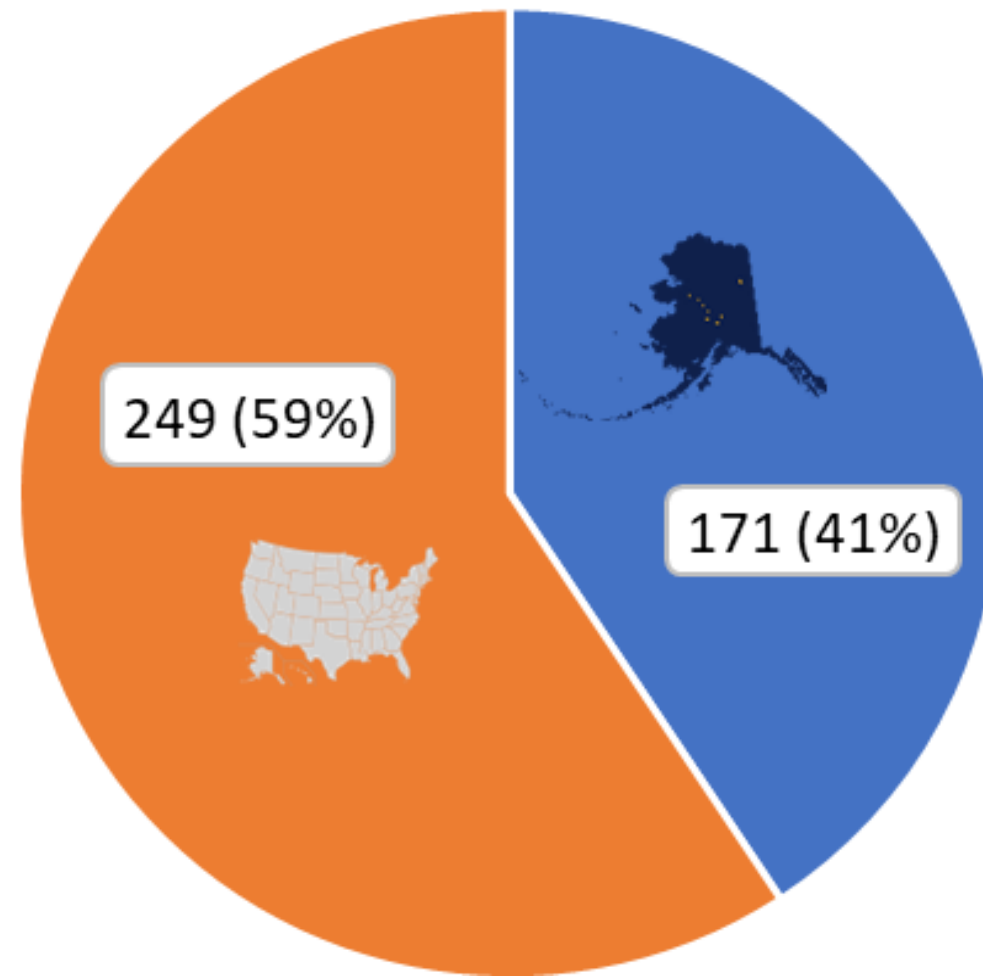
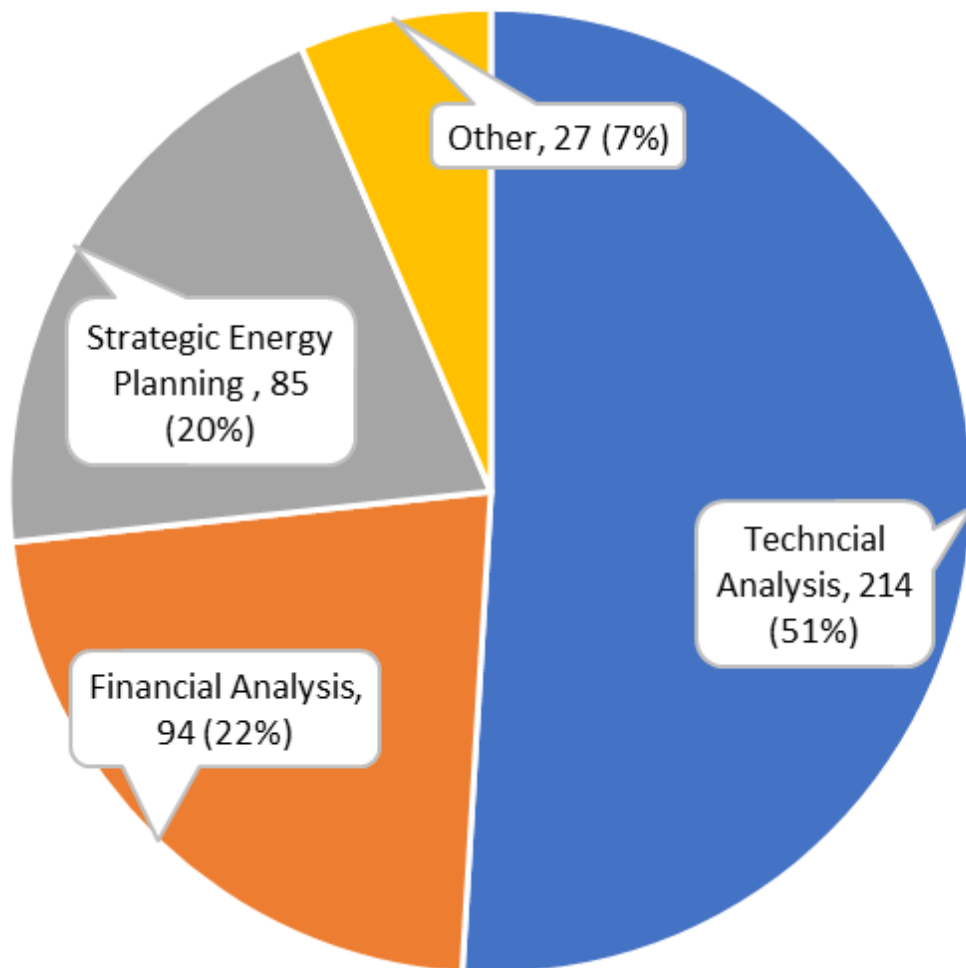
- Intended for decision makers in the early stages of energy development, including economic or market analysis.
- May include modeling for payback periods, net present value (NPV), and levelized cost of energy (LCOE).



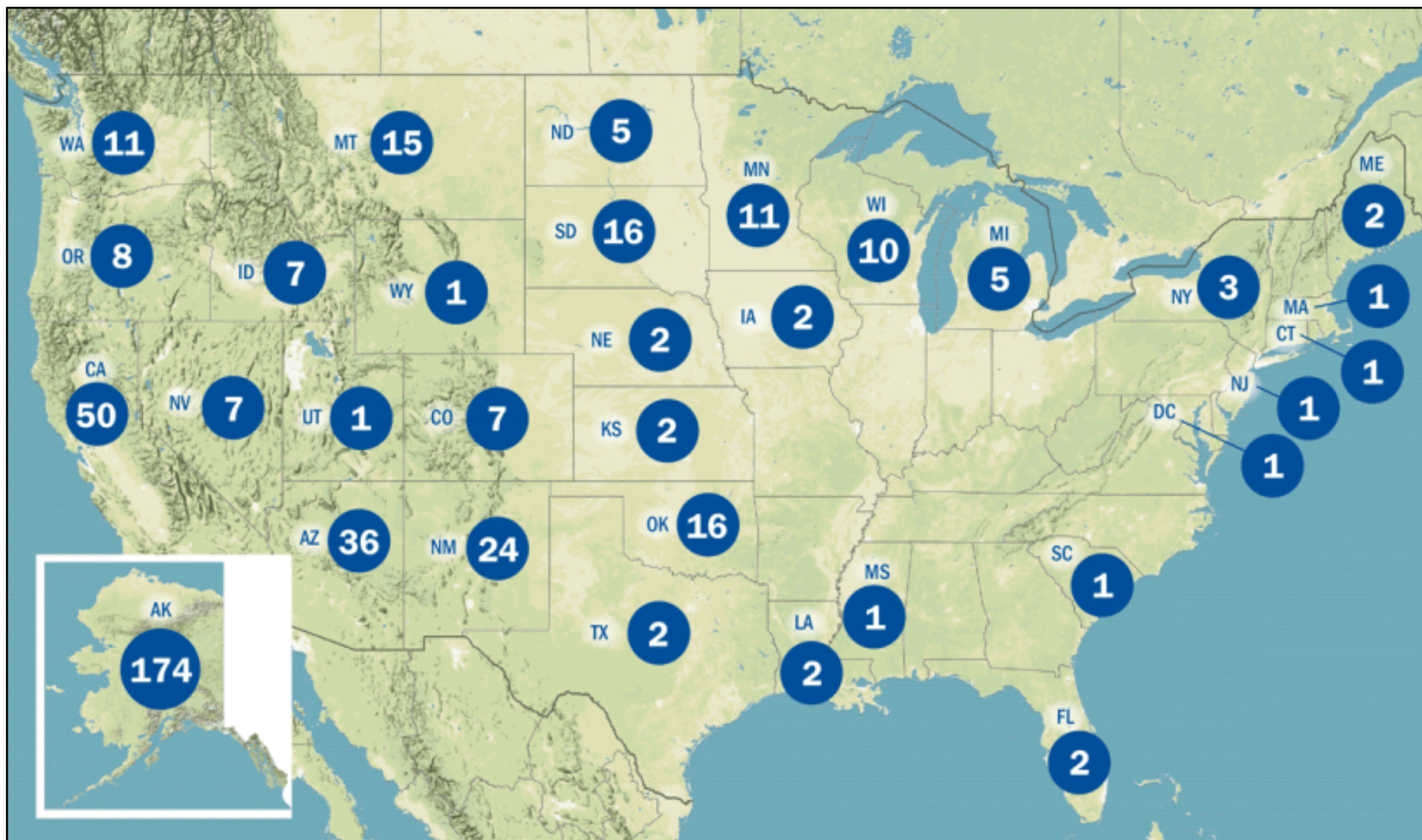
Strategic Energy Planning

- Can consist of virtual or in-person workshops facilitated by tribal energy expert(s) to assist tribal leaders, elders, and staff develop an energy plan.
- May provide an initial resource assessment, energy options analyses, and development of a viable project roadmap.

Completed Technical Assistance Requests (2010-2022)



Completed Technical Assistance Requests (2010-2022)



You're Invited! Office of Indian Energy 2023 Annual Program Review



Mark your calendars! Room block open!
Nov. 13–17 in Denver

Tribal Energy Funding Opportunities – Visit the IE website!

2023/09/15	Empowering Rural America New ERA Program - \$9.7 Billion	Loans; Grants	USDA	Rural communities; Energy efficiency; Clean energy; Carbon capture
2023/09/15	Underserved and Indigenous Community Microgrids - \$14.7 Million	Funding opportunity announcement	DOE	Microgrids
2023/09/18	Tribal Electrification Program - \$150 Million	Funding opportunity announcement	Department of Interior	Electrification; Clean energy
2023/09/27	American-Made Solar Prize Round 7 - \$4 Million	Prize	DOE	Solar; Supply chain
2023/09/28	DOE Solar District Cup Class of 2023-2034	Competition	DOE	Education; Solar; Workforce development
2023/09/29	Powering Affordable Clean Energy (PACE) program - \$1 Billion	Loans	USDA	Rural communities; Clean energy; Battery storage

Includes both DOE & other federal agency opportunities!

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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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Tribal Home Energy Rebate Program

Tribal Home
Energy Rebates



Section 50122
of the Inflation
Reduction Act

Amount: \$225M for Indian Tribes

Through: September 30, 2031

Recipient: Indian Tribes and Alaska Native Corporations

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



Tribal Home Electrification and Appliance Rebate Program Objectives

- ✓ **Help Tribal households** across the US enjoy lower energy bills and more comfortable homes
- ✓ **Make it easier** to access and implement residential energy improvements by decreasing the cost through instant “point of sale” rebates
- ✓ **Attract, train, and retain qualified workforce** to provide energy upgrades to single-family, multifamily, and manufactured housing units
- ✓ **Spur durable demand** for residential efficiency and electrification by demonstrating value of energy upgrades and efficient homes to Tribal homeowners, tenants, and investors



Qualified Electrification Projects*

Maximum Rebate Per Improvement

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

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

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


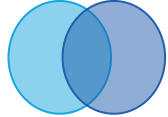

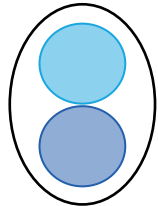
- **up to full project costs** for low-income households (less than **80% Area Median Income**)
- **up to half of** project costs for moderate-income households (**80 – 150% Area Median Income**)

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

Tribes are highly encouraged to integrate their rebates programs with other funding sources for Tribal housing upgrades.

Agency	Program	Funding (\$ million)	Notes
DOE	State Home Energy Rebates	\$6,650.0	Funding will be administered by States. Tribal households cannot get duplicate rebates from a Tribe and State.
DOE	Tribal Energy Efficiency and Conservation Block Grants	\$8.8	Tribes can submit a simplified application for a voucher for equipment upgrades or technical assistance.
DOE/IRS	48(e) Low-Income Communities Bonus Credit Program	Varies by FY	10% bonus tax credits for 200MW of renewable energy projects built on Tribal lands available each year through 2031.
DOE	Tribal Energy Loan Guarantee Program	\$75.0	Loan authority raised to \$20 billion. Loan guarantee may now cover 100% of debt.
BIA	Tribal Electrification Program	\$145.5	No cost-sharing or matching requirements. For electrifying homes with zero-emissions systems and associated repairs.
BIA	Tribal Climate Resilience	\$220.0	No cost-sharing or matching requirements.
HUD	Indian Housing Block Grant	Varies by FY	For housing managed by a Tribally-Designated Housing Entity.
EPA	GHG Reduction Fund	\$27,000.0	Tribal Governments eligible to apply.
EPA	Climate Pollution Reduction Grants	\$5,000.0	Tribal Governments eligible to apply.
EPA	Environmental and Climate Justice Block Grants	\$3,000.00	Tribal Governments in partnership with non-profits eligible to apply. FY 2026 expiration.

Rules for Combining other Funding with Tribal Rebates

Sources of Funding	What is Allowed?	Requirements to Combine Funding Within Same Household Project	Examples
Other Federal Grants: WAP, LIHEAP, BIA Tribal Electrification Program Grants	Can Braid 	Must "braid" and use other grants to fund <u>distinct and separable measures</u> from "single upgrades" funded by rebate.	Wiring from DOE Tribal rebate (wiring upgrade, electrical panel), local electric generation from BIA Tribal Electrification Grant (solar PV)
Federal Loans: RLF, GGFR, RESP	Can Co-Fund 	Can co-fund any remaining costs for the <u>same</u> "single upgrade" above the value of the Home Energy Rebate.	GGFR loan covers remaining costs after rebate has been applied
Non-Federal Funding: EE Utility \$, State/Local \$	Can Co-Fund 	Can co-fund any remaining costs for the <u>same</u> "single upgrade" above the value of the Home Energy Rebate.	Utility incentive provides additional rebate toward remaining costs
Tax Credits: 25C, 179D, 45L, LIHTC, state/local tax credits	Reduce Credit Basis 	Reduce basis amount of the expenditure on which tax credit is claimed by rebate, then claim a tax credit based on the remainder of the cost.	Tax credit claimed on remaining basis of HP after rebate

Intended Overall Timeline for Tribal Rebates Program

Development of model programs, tools, and technical assistance offerings for Tribes

Summer 2023		Fall 2023		Winter 2023/24		Spring 2024	
Publish FRN with intended allocations	Finalize Tribal Program Requirements	Publish Tribal Program Requirements	Outreach and TA to help Tribes to apply	First Tribes submit apps for early admin \$	First Tribes Submit Full Apps	Continued Outreach and TA to help Tribes apply	More Tribes Submit Full Apps

Other Tribes continue to apply for rebates funding throughout 2024 →

Additional Resources

Email address for the DOE Home Energy Rebates Team:

irahomerebates@hq.doe.gov

DOE Home Energy Rebates Website:

<https://www.energy.gov/scep/home-energy-rebate-programs>

Engage with us to learn more



Office of Indian Energy

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