

The American Recovery and Reinvestment Act (ARRA) of 2009

**Tribal Energy Efficiency and Conservation
Block Grant Program (EECBG)**

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EECBG Overview: Program Purpose

American Recovery and Reinvestment Act of 2009

To spur economic growth and create/retain jobs

Energy Independence and Security Act of 2007:

To assist state, local, and tribal governments in implementing strategies to:

- a. Reduce fossil fuel emissions;
- b. Reduce total energy use;
- c. Improve energy efficiency in the transportation, building, and other appropriate sectors.

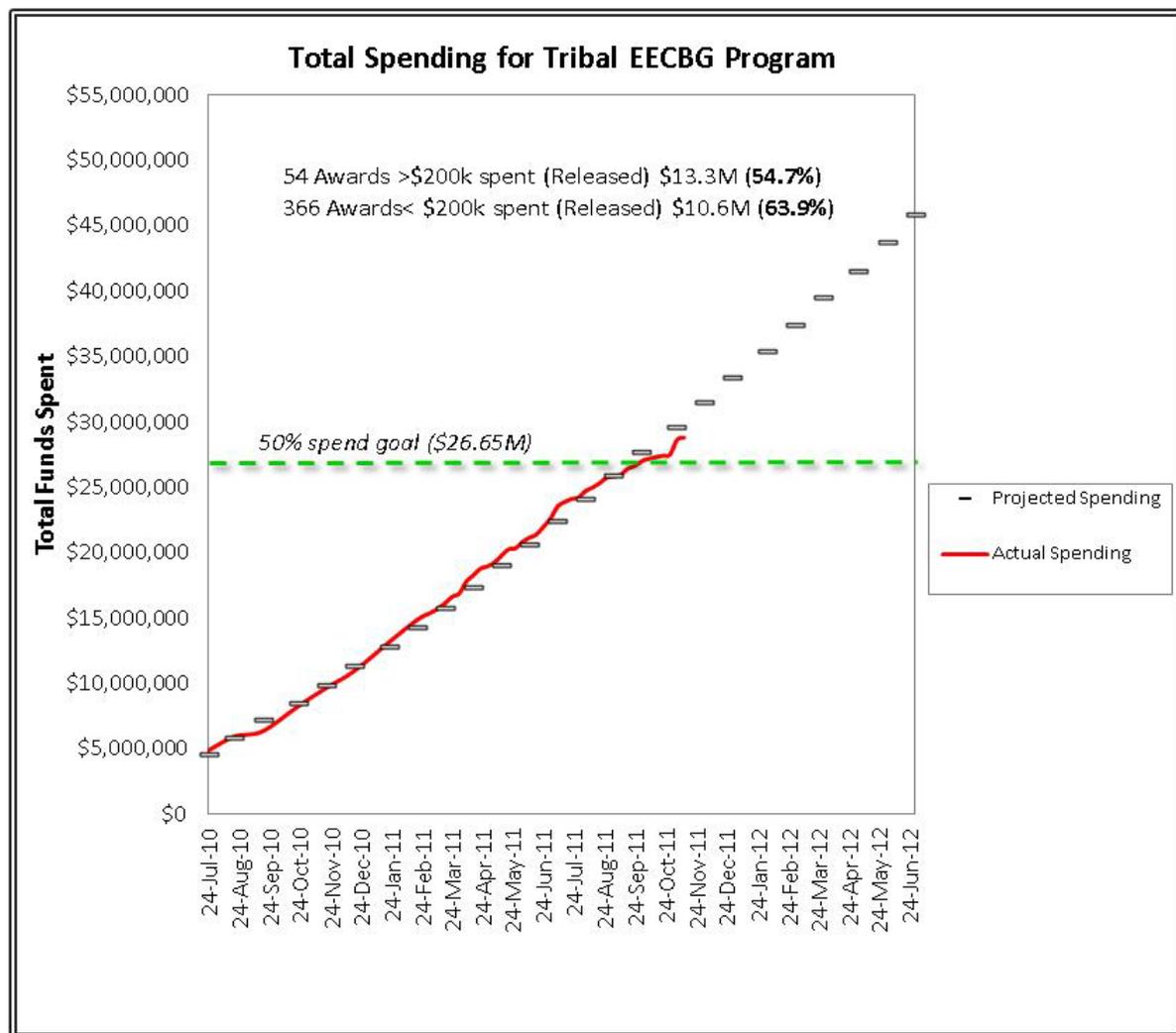


EECBG Overview: Big Picture Vitals

- Appropriations from the American Recovery and Reinvestment Act signed by President Obama (2/17/09)
- Launched by DOE (3/26/09)
- Tribal EECBG -\$54.8M
- EECBG is a [new program](#) for DOE, funded through the Recovery Act. Operations are out of Golden in conjunction with Tribal Energy Program Dec 2009.
- Each eligible entity has an [allocation](#) based primarily on [population](#), ranging from \$25,000 (many Indian tribes) to \$6.1M million
- Grants are awarded primarily for [energy efficiency and conservation activities](#), with a handful of allowable renewable energy activities



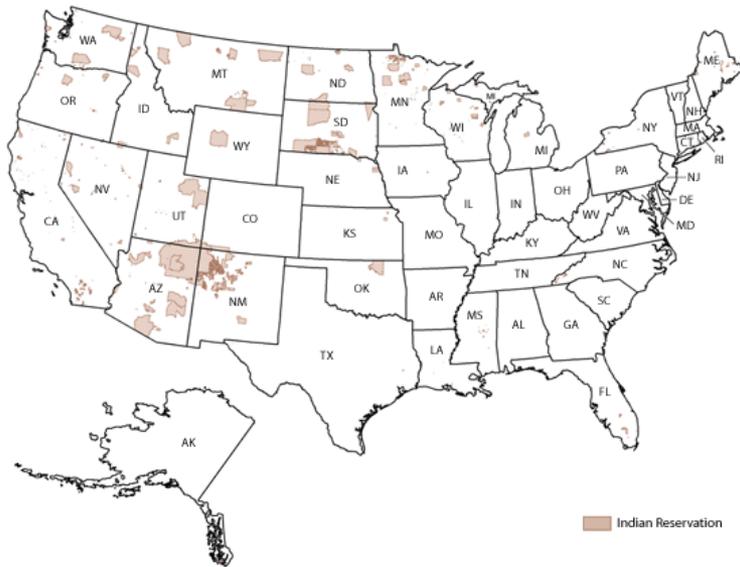
- \$54 MILLION AWARDED TO 421 TRIBAL COMMUNITIES
- Invest funds to stimulate economy now *and* meet long-term energy goals
- Develop programs and projects that will persist beyond grant period
- Spent \$28.8M
- 134 awards in close out
- 286 active awards



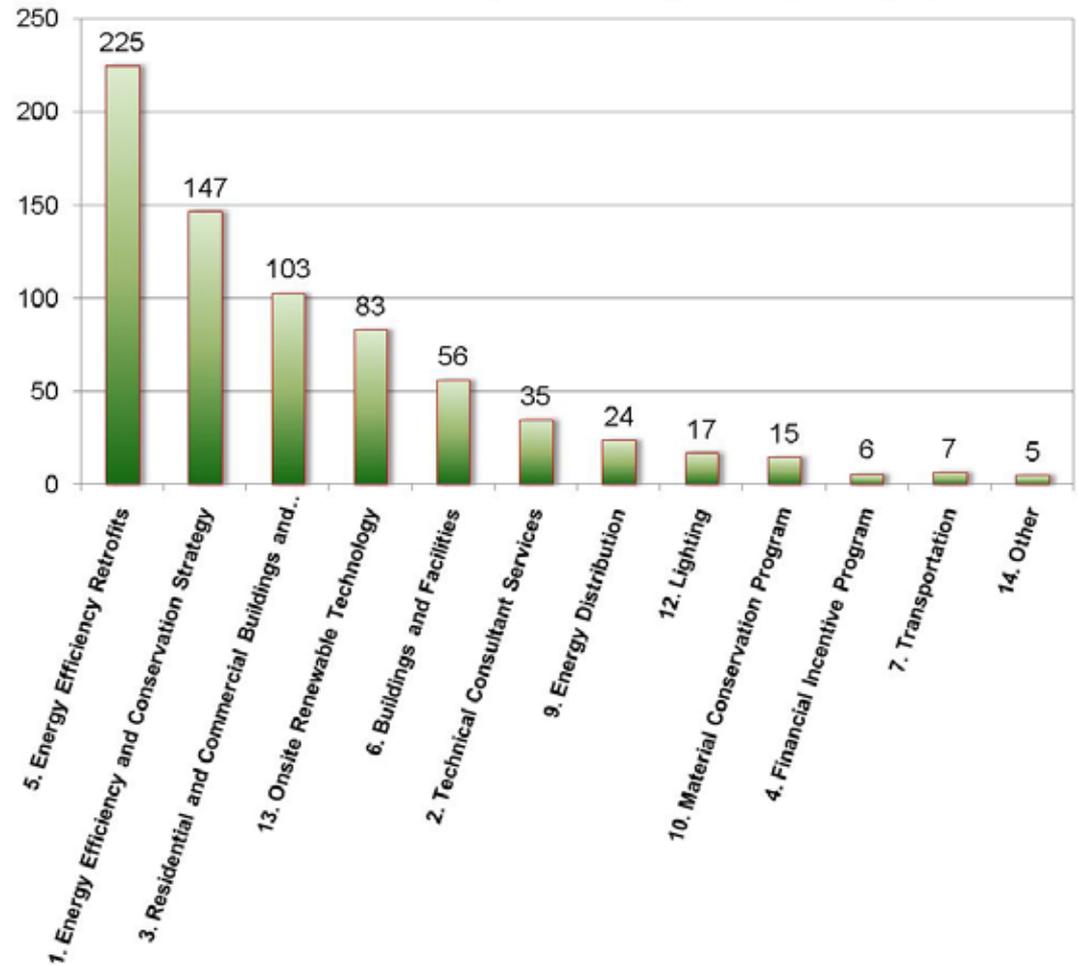
Trends

- Internal capacity building
 - Early indications of significant funding allocated toward tribal internal resources for ‘Audits’ and/or ‘Retrofits’
- Strategies-EECBG supported development of 144 EECS’s for Tribal Communities. Detailed plans that inform each community about their current and future energy needs
- Audits- 112 projects
- Retrofits- the most common type of activity (235 projects)
- **Regional**
 - Development of inherent natural resources (solar, wind, geo-thermal, bio-mass) for community-scale projects
 - Distributed energy combined with energy efficiency a smart approach for energy independence

EECBG Activities- Nationwide



Tribal EECBG Active Projects in US by Activity Category



TRIBAL ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS

PLANNED WIND, SOLAR, AND RETROFITS

NORTHEAST

Through Tribal EECBG, 635kW of wind projects are planned for installation.

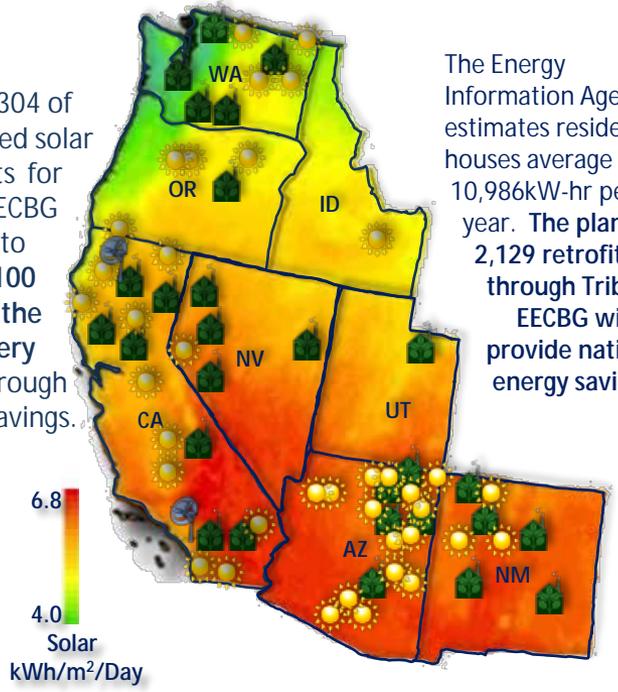


Some of the strongest winds lay off the coast of the Atlantic.

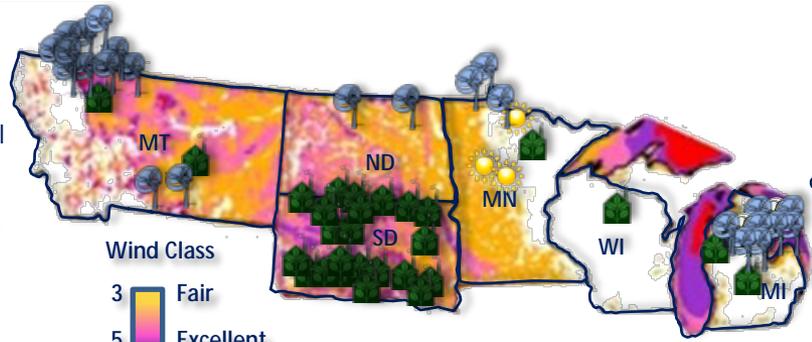
There is the potential for wind resources within Indian lands to provide 14% of current U.S. total annual energy.



The 304 of planned solar projects for Tribal EECBG add up to taking 100 cars off the road every year through CO₂ savings.



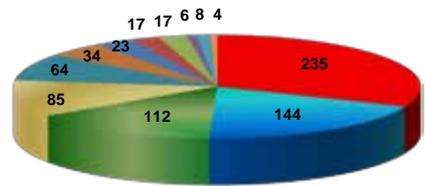
The Energy Information Agency estimates residential houses average 10,986kW-hr per year. The planned 2,129 retrofits through Tribal EECBG will provide national energy savings.



\$54 MILLION AWARDED TO 421 TRIBAL COMMUNITIES

- 5KW OR LESS (SOLAR)
- 10KW OR LESS (WIND)
- 20 SITES OR LESS (RETROFITS)

Tribal EECBG Projects in US by Activity



SOUTHEAST

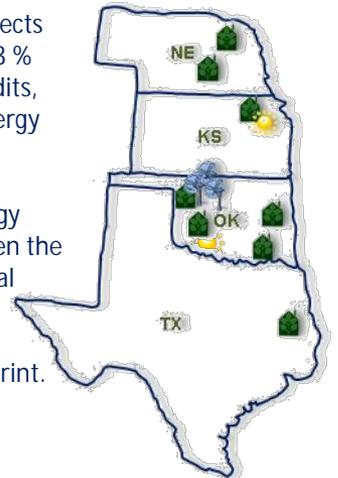


MIDWEST/SOUTH

Retrofits may save significant energy and money, especially where power is provided mainly by a gas or diesel generator.

Of the 96 Projects in Oklahoma, 63 % were either Audits, Retrofits, or Energy Strategies.

Improving energy efficiency is often the most economical way to reduce your carbon footprint.



Prices can be as high as \$10.00 a gallon in remote areas in Alaska.



Oglala Sioux Tribe, Pine Ridge, South Dakota

- Oglala Sioux Tribe received over \$827,000 in Block Grant funding for their project.
- Newly formed OST Renewable Energy Development Authority.
- A comprehensive Energy Efficiency and Conservation Strategy for the tribe.
- Training program for energy auditors and retrofitters
 - 15 tribal members
- Provided outreach for weatherization financial assistance
 - State, federal, utility, and non-profit (661 applications)

“We went everywhere we could, serving elders first, and going to where the need was the most,” said Ms. Broken Rope.”

- District Coordinator Manager, Juliette Broken Rope

“We’ve trained tribal members in green jobs, that we believe we will further employ serving our own reservation...maybe other reservations as well. We plan on weatherization being a big part of Pine Ridge’s energy future.”

-Waysha White Face, OST-REDA’s Project Manager



Left, Waysha White Face and Juliette Broken Rope.



Candidate home, Pine Ridge Reservation, SD.

Oklahoma

- Cherokee Nation
 - Compressed Natural Gas Facility
 - Locally positioned at gas station accessible to public and commercial vehicles
 - CNG is a low-emissions fuel



- Choctaw Nation
 - Recycling center

“...to date, the Recycling Center has collected more than 100 tons of recyclable material. It took in more than 14 tons in last month alone.”



Next Steps (ARRA is a one-time initiative)

- Assess your progress and use the success to win community support
 - Monitor programs, EPA online, Promote your success
- Is a structure built within your organization to advance your programs?
- How can you leverage these funds to continue the project(s)?
 - Funding Opportunity Announcements
 - www.eere.energy.gov/tribalenergy
 - Join TEP's email list to receive information about funding opportunities and training. tribal@go.doe.gov
 - <http://www.grants.gov/>
 - Technical Assistance
 - Partnerships (Tribal, State, local, Federal, Private)

Key Contacts

Golden Field Office

- GO Tribal EEBCG mailbox(tribaleecbg@go.doe.gov)
 - General inquiries
- Tsali Cross (tsali.cross@go.doe.gov)
 - 303-275-4838 desk

Technical Assistance (NREL, Golden, CO)

- Roger Taylor(daniel.tirrell@ee.doe.gov)
 - 202-287-1462 desk

Tribal Energy Program Webpage

<http://eere.energy.gov/tribalenergy>