



DOE
Office of Energy Efficiency and Renewable Energy

TRIBAL ENERGY PROGRAM
2006 Program Review Meeting
23 October 2006



Council of Energy Resource Tribes



Presentation Outline

- Project Overview
 - CERT/DOE Cooperative Agreement
- Objectives
- Project Status
 - Accomplishments
 - Technical/Management Issues
 - Activities yet to be completed
- Future Plans



CERT Staff

1. A. David Lester, Creek
2. Roger B. Fragua, Jemez
3. Glenda Archuleta, Kaibab Paiute
4. Tweedie Doe
5. Tom Talache, Nambe
6. Clint LeBeau, Cheyenne River Sioux
7. Mary Lopez, Rosebud Sioux
8. Heather Dower, Dine
9. Debbie Rowe
10. Ottawa Financial, Garrett Barry, Ottawa

Cooperative Agreement Objectives

Identify measures Tribes can take to maximize energy production from existing operations/to develop new RE resource projects

Identify energy conservation opportunities for Tribes

Demonstrate how Tribes can cost-effectively use electricity resources, and the importance of strategic planning

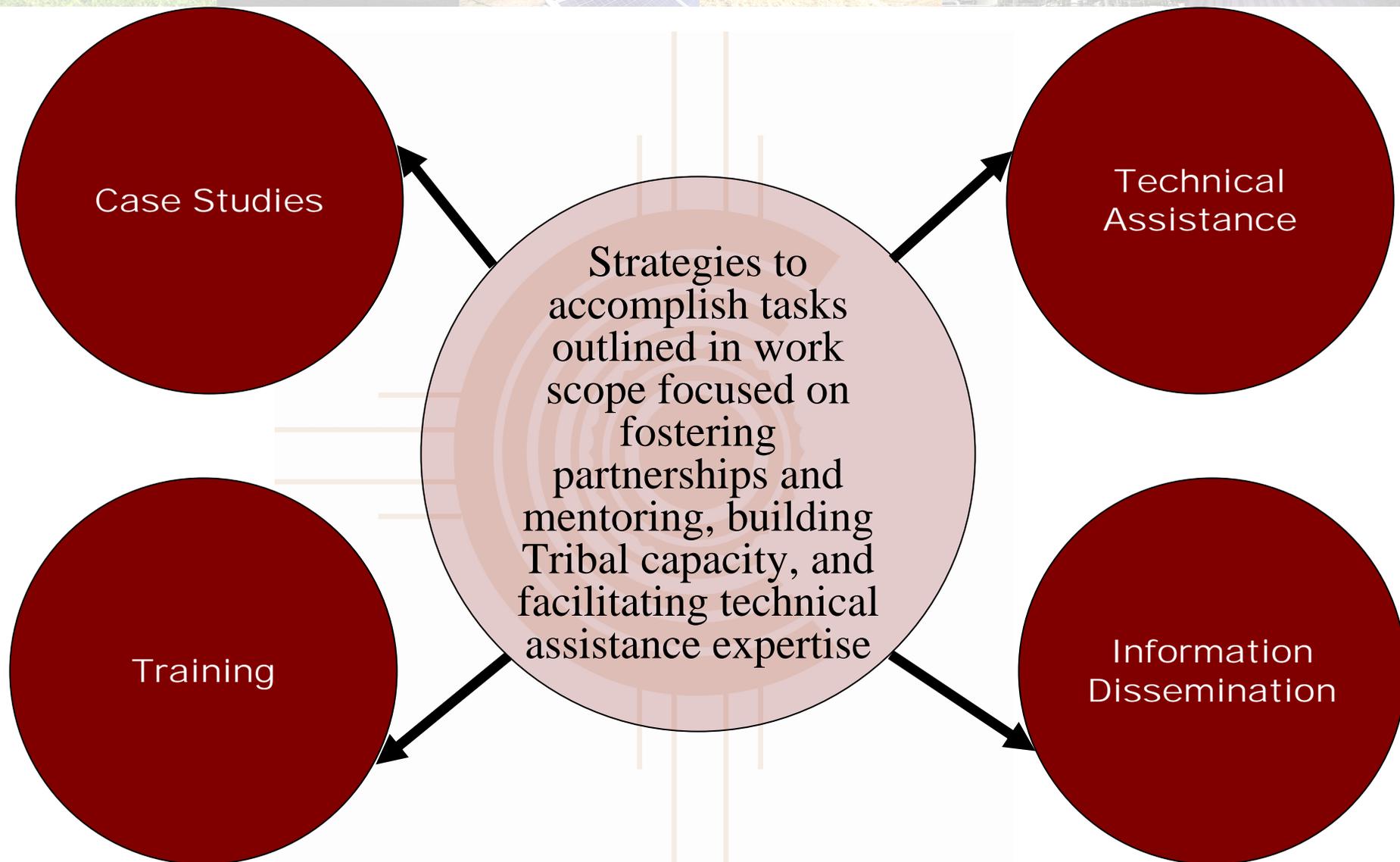
Facilitate training to help develop Tribal expertise in renewable resource development and energy conservation

Facilitate alliances between private experts and Tribes to develop EE, RE, and DG projects

Facilitate Tribal participation into federal policy changes

**CERT
Mission**

Project Strategies



Case Studies

Technical Assistance

Strategies to accomplish tasks outlined in work scope focused on fostering partnerships and mentoring, building Tribal capacity, and facilitating technical assistance expertise

Information Dissemination

Training

Case Studies

Identify barriers to renewable energy development and conservation on Tribal lands

Deliverables

- Energy Audit Case Studies
- Tribal Weatherization Training for Tribes in HUD-ONAP Northern Region
- Technical Case Studies – RE Generation
- Institutional case Studies – Human Capacity Development

Case Studies

- ✓ 7 energy audits in 5 climate zones
 - Umatilla, Laguna, Fort Mojave, Pawnee, Osage, Rosebud Sioux, Ohkay Owingeh
- ✓ Promotion and planning for WX Training
- ✓ Technical/Institutional studies completed

Case Studies

- 3 additional energy audit case studies
 - Great Lakes, New England, Puget Sound
- Weatherization training pilot program for Tribes in the HUD-ONAP Northern Plains Region
 - CO, MT, NE, ND, SD, UT, WY
 - Solicitation for Tribes ready for training
 - Training targeted to Tribal housing managers/technicians
 - Auditing equipment to conduct audits
 - This program is envisioned to be a documented model for replication in other regions in Indian Country

Training

Build Tribal capacity and expertise to sustainably manage energy resources through documentation of lessons learned, training, communications, and alliance building

Deliverables:

- Hold national/regional forums
- Represent Tribal interests in utility restructuring/Disseminate info
- Identify methods of valuing ROW
- Develop resource list of transmission interconnection resources
- Develop a methodology for Tribes to determine how T&D costs affect the value of WAPA allocations and BPA power contracts
- Create and disseminate case studies on federal power allocations
- Develop introductory overview guide on strategic planning
- Provide Tribal representation in the changing utility climate
- Research the implications of Tribal weatherization organizations and funds access
- Develop an initiative to “track” industry market trends
- Develop the basis for Tribal Energy Fund Development

Training

- ✓ Held national/regional forums to disseminate info; to assist Tribes overcome barriers to development
- ✓ Represented Tribal interests in utility restructuring and disseminated on-going info to Tribes (i.e., FERC rulings)
- ✓ Identified methods of valuing ROW
- ✓ Developed introductory overview guide on strategic planning
- ✓ Researched implications of Tribal WX organizations and funds access

Training and Meeting Highlights

<u>EVENT</u>	<u>DATE</u>
Sustainable Energy Solutions.....	9-10 November 05
Tribal Energy Efficiency Symposium.....	21-22 December 05
Presented at the CNIGA.....	11-13 January 06
Participated in RES.....	February 06
Participated in 1813 Public Meeting.....	7-8 March 06
Sovereignty/Tribal Development workshop.....	26 March 06
Energy Efficiency In Tribal Communities conf.....	9-11 May 06
Sandia Lab/La Jolla Meeting.....	9-10 May
DU School of Law Seminar.....	19 May
Cal. Tribal Geothermal Workshop.....	8-9 June
Indian Energy Solutions	7-9 August 06
Southwest ROW Workshop.....	12 October 06
Tribal Infrastructure Workshop.....	17-18 October 06

Training



- Continue holding national/regional forums
- Develop resource list of transmission interconnection resources
- Develop resource list of transmission interconnection resources, analysis, and GIS tools for Tribal representatives
- Develop a methodology for Tribes to determine how T&D costs affect value of WAPA allocations and BPA power contracts
- Create and disseminate case studies on federal power allocation
- Develop initiative to track industry market trends that may impact Tribal development
- Develop basis for Tribal Energy Fund Development through series of symposium workshops and meetings to determine Tribal, government and industry interests in coordinating efforts on Fund development

Technical Assistance

CERT will provide technical assistance to Tribes to assist in building human capacity and developing Tribal renewable energy resources

Deliverables

- Respond to Tribal inquiries for information
- Provide 1-1 assistance to Tribes for strategic energy planning and project development
- Provide 1-1 assistance to Tribes on a request basis for utility formation, interconnection, ROW issues

Technical Assistance

Receive and respond to Tribal inquiries for information on:

- ✓ Technical issues
- ✓ Financing sources
- ✓ Legal issues
- ✓ Legislative updates

Provided Strategic Energy Planning and Project Development to:

- ✓ Umatilla – Energy Code Development
- ✓ Wind River – Strategic Energy Planning
- ✓ Isleta – Strategic Energy Planning
- ✓ Acoma – Strategic Energy Planning

Responded to requests on utility formation, interconnection to:

- ✓ Acoma
- ✓ Isleta
- ✓ Laguna
- ✓ San Felipe
- ✓ Yakama

Technical Assistance Highlights

TRIBE	SERVICE
<i>October-December 2005</i>	
Osage	Facilitated 2 community meetings re. developing energy projects
FMIT	Introduced Tribe to Premier/discussed partnership on energy projects
7 Tribes	Submitted info on Tribal energy projects to DOE for potential funding
CERT Tribes	Explained Energy Efficiency Initiative and its benefits
Round Valley	Responded to request/sub. proposal for facilitation/energy planning
Various Tribes	Convened meeting for Tribes/James Cason to discuss 1813 Study
<i>January–March 2006</i>	
Ohkay Owingeh	Conducted energy audits at Pueblo at Tribal request
Yakama	Researched Tribally owned utilities for use at their council meetings
Fort Peck	
Ponca	Met with Council to discuss workshop for Tribe to design its future
Kaibab Paiute	Facilitated session with Kaibab and Southern Ute Tribe to discuss potential Tribe-to-Tribe development project

Technical Assistance Highlights

TRIBE	SERVICE
<i>January–March 2006</i>	
Yakama	Provided TA to developer of EERE community development project
Acoma	Presented comprehensive presentation on EERE to leadership
Ponca	Requested/Met with Tribal leaders to address value of strategic planning
Ute Mnt. Ute	Proposed workshop to develop strategic plan for energy development
Fort Mojave	Presented/documented the Developing Utility Ability conference
Jicarilla Apache	Met with Jicarilla Apache re their interest in strategic energy planning
Rosebud Sioux	Responded to inquiries from Tribal leaders on ROW issues
No. Arapaho	Responded to Qs re. small-scale hydropower technologies, energy generating capacity/ potential environmental damages on Tribal lands
NCIED	Responded/addressed delivery of Indian energy resources to NE

Technical Assistance Highlights

TRIBE	SERVICE
<i>April-June 2006</i>	
Jemez	Requested/attended DOI meeting re. water/funding for water planning
Laguna	Met with Utility Authority GM to discuss WX training/curriculum
Ohkay Owingeh	Presented energy audit findings/Proposed implementation planning
Zia/S. Ute	Met with Tribes to explore joint venture energy exploration
SWTEC	Reviewed steps of feasibility project/drafted MOU for membership
MicMac	Requested assistance to define opp./challenges in energy development
NAIHC	Coordinated presentations with DOE to maximize EE message
E. Shoshone	Presented benefits of strategic planning/Submitted proposal
Nambe	Responded to request for info on energy strategic planning
Rosebud Sioux	Facilitated action planning meeting for EERE demonstration project Presented energy audit findings at RST at housing community meeting
Isleta	Met with leadership to discuss strategic energy planning for Pueblo

Technical Assistance Highlights

TRIBE

SERVICE

July-September 2006

Various Tribes

Answered many questions on 1813 Study and other ROW inquiries

SWTEC

Convened member Tribes for next steps; considered project feasibility

Wind River

Facilitated comprehensive strategic planning for energy development

Isleta

Facilitated comprehensive strategic planning for energy development

Umatilla

Conducted implementation of energy efficiency strategies from audits; convened board on developing building codes for future construction

Acoma

Facilitated comprehensive strategic planning for energy development

Technical Assistance

Continued technical assistance to Tribes...

- Advance CERT capacity and nurture partnerships to respond to Tribes
- Promote and provide strategic planning services to more Tribes
- As Tribal capacity expands, policy evolves, and new challenges arrive, CERT will provide assistance on utility formation, interconnection, ROW issues

Information Dissemination

Build capacity and information sharing through www.CERTRedEarth.com

Deliverables:

- Develop databases
- Develop listserv of Tribes interested in updates/funding opportunities for EE/RE
- Create a database of technical resources/funding opportunities for strategic planning
- Develop promotional materials for strategic planning/access financial/technical res.
- Develop list of IOU and Co-op utilities and Tribes in service area cross references with public benefit funds (for Renewable energy and Energy Efficiency)
- Develop sample Tribal RFPs
- Distribute and/or post news items on Indian Energy events
- Work with Tribes, government and industry on contemporary energy issues




Council of Energy Resource Tribes

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- Events
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- Red Earth Magazine
- CERT Programs and Services
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Wednesday June 14th, 2006



Indian Energy Solutions 2006 AND THE AMERICAN SPIRIT AWARD DINNER

Hosted by The Saginaw Chippewa Indian Tribe

August 7th - 9th
Soaring Eagle Casino & Resort
Mount Pleasant, Michigan



[Click here for more information](#)

Welcome to CERT

The Council of Energy Resource Tribes was founded by Indian Tribes out of necessity and out of a profound sense of collective self-confidence - the confidence that they could chart a new course of prudent development that would address Tribal priorities and values while contributing to a more secure energy future for all Americans.

Since the inception of The Council of Energy Resource Tribes, the farsighted leaders have dramatically restructured the federal-Indian relationship regarding mineral development on Indian lands and have forged alliances and partnerships with industry.

From the beginning, the CERT member Tribes maintained complete management of their valuable resources. Tribes participate in all aspects of managing their resources - from negotiating agreements, protecting the environment, realizing the value of water and other resources to verifying revenue payments.

Council of Energy Resource Tribes
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The Council of Energy Resource Tribes is a 501 (c)(3) non-profit corporation.
 All contributions are tax deductible to the full extent of the law.

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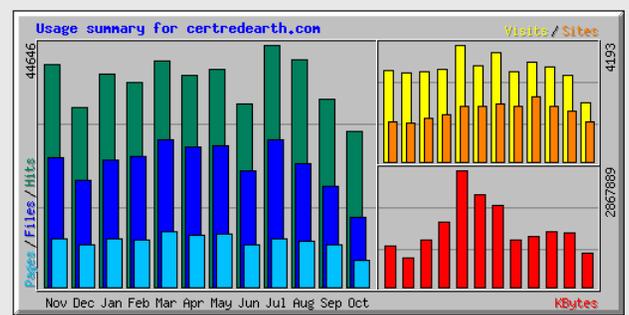
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Information Dissemination

Usage Statistics for certreearth.com

Summary Period: Last 12 Months
Generated 20-Oct-2006 04:08 MDT



Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
Oct 2006	1437	642	247	105	1435	839149	2112	4944	12853	28758
Sep 2006	1151	617	259	103	1835	1334658	3109	7786	18533	34550
Aug 2006	1353	733	272	109	2009	1369300	3390	8446	22727	41969
Jul 2006	1440	872	289	114	2338	1257104	3564	8982	27059	44646
Jun 2006	1122	718	263	108	1970	1155913	3249	7914	21545	33681
May 2006	1292	837	313	126	2086	2012583	3909	9733	25957	40070
Apr 2006	1304	863	318	115	1974	2262526	3459	9550	25907	39147
Mar 2006	1342	875	331	135	1977	2867889	4193	10289	27127	41625
Feb 2006	1345	860	312	118	1692	1587428	3317	8739	24082	37666
Jan 2006	1262	754	290	103	1557	1164450	3220	9007	23389	39150
Dec 2005	1067	634	250	102	1380	724022	3170	7772	19683	33090
Nov 2005	1368	793	297	109	1420	1019046	3274	8920	23803	41050
Totals						17594068	39966	102082	272665	455402

Information Dissemination

Databases and web access

- ✓ Energy Efficiency Guide
- ✓ Created database of Tribal, industry and government representatives
- ✓ Researched, collected technical resources (businesses, nonprofit organization, institutions, universities and federal grants, and private foundations fund for community and EE/RE based projects)
- ✓ Usage statistics for CERTRedEarth.com

Listserv for EERE technologies and retrofits

- ✓ Listserv of Tribal Representatives interested in EE and RE Technologies

Database of technical resources and funding opportunities for strategic planning and energy/economic-community vision development

- ✓ Created database

Information Dissemination

Promotional materials on strategic planning

- ✓ White Paper and presentation on Financing Tribal Energy Projects
Under continued development
- ✓ Guide book/presentation on Integrated Resource Management Plan
- ✓ Researched/posted private and public energy websites/databases

List of IOU and Co-op utilities and Tribes

- ✓ General utility research ongoing and posted

Distribute and post news items on Indian energy events

- ✓ Items are posted and updated as needed

Continued work with Tribes, government, industry energy issues that affect Indian Country

Publications

Reports (January - June 06)

- Findings and Recommendations for Proposed Energy Efficiency Projects - Residential and Tribal Buildings - Ohkay Owingeh
- Findings and Recommendations for Proposed Energy Efficiency Projects - Casino and Resort - Ohkay Owingeh
- Power Quality Power Consumption Power Security Site Report – Ohkay Owingeh Casino
- Developing Utility Ability: Dispensing the Value of Tribal Energy Resources to the Tribal Community
- SWTEC Planning Meeting-Project Kick-Off
- Sovereignty and Tribal Development Workshop
- Worksite Tour of Sunpower, Inc.
- Developing Utility Ability - Dispensing the Value of Tribal Energy Resources to the Tribal Community
- Energy Efficiency in Tribal Communities: Maximizing Our Potential
- Action Planning Rosebud, South Dakota

Information Dissemination

- Provide database of technical resources and funding opportunities for strategic planning and energy/economic-community vision development
- Continue distributing/posting news items on Indian energy events
- Continue working with Tribes, government, industry energy issues that affect Indian Country
- Develop sample Tribal RFPs and post on website



Future Plans

CERT Energy Fund

- SWTEC Project
- Private, International, Philanthropic community

Conferences, Workshops, Events

- ROW Workshop (11/06)
- Hydropower Conference (11/06)
- Members' Meeting (12/06)
- Indian Energy Solutions (7/07)



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