



Next Step for STEP

Tribal Energy Program Review
Denver, Colorado
November 18, 2011
Siletz Tribal Energy Program (STEP)
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Overview

- | Tribal Description
- | Grants
 - ANA
 - EECBG-DOE
 - Low Income Weatherization from DOE as a subgrantee of the state of Oregon
 - BPA
 - REACH-DHHS
 - Climate Showcase Communities-EPA
 - First Steps-DOE



Overview continued

- | General energy education for tribal members and employees
- | Specialized Training
- | Energy Audit
- | Retrofit
- | Plans and codes
- | GHG inventory
- | Renewable demonstration project



Description of CTSI

- | CTSI is a federally recognized tribe composed of at least 27 bands originally in Western Oregon
- | Current membership is 4,718
- | 9 member Tribal Council





Description of CTSI

- | Each Council representative serves a three year term, 3 elected each year
- | Removed to Coast Reservation in 1856
- | Land base continued to be reduced





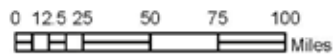
Map of United States



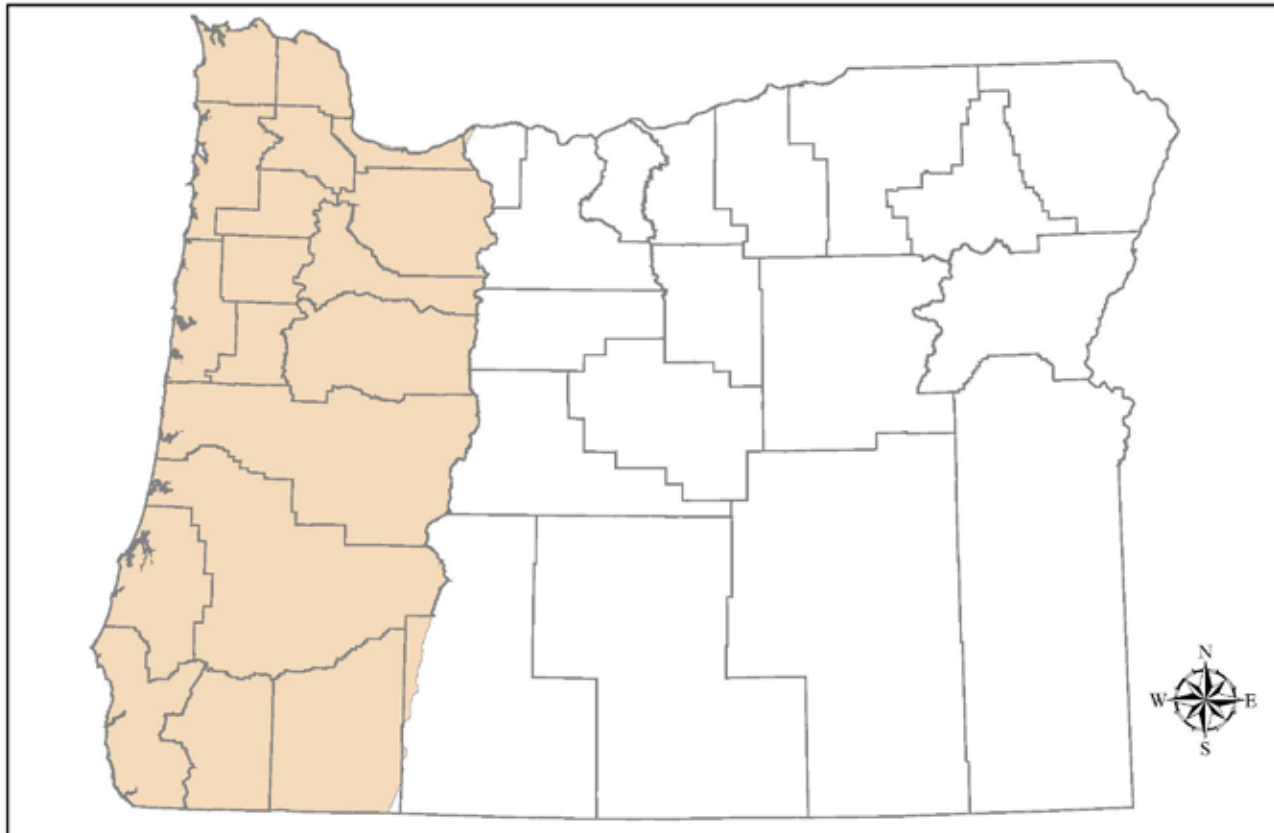


Map of aboriginal lands

Aboriginal Lands in Oregon



Data was collected from the Oregon Geospatial Data Clearinghouse. Map is displayed on Oregon Lambert Projection with NAD 1983 datum. Created by Brady Smith on May 2, 2005.

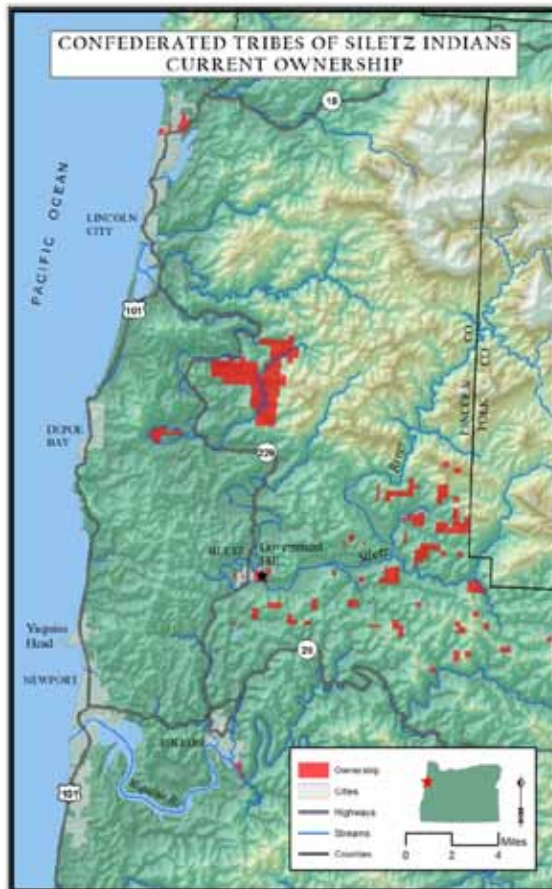


Ancestral Homelands





Current reservation and 11 county service area



Confederated Tribes of Siletz Indians
11 County Service Area





Tribal History

- | Termination in 1954
- | Restoration in 1977
 - first in Oregon
 - second in Nation
- | Services
 - Housing
 - Education
 - Health Care
 - Employment and Training
 - Social services





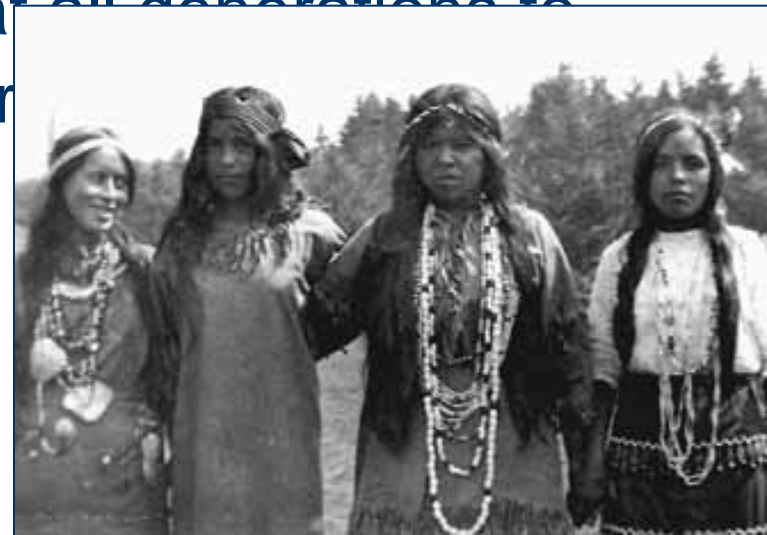
Healthy People





Tribal Goals

- | Health and wellness
- | Self sufficiency
- | Care for, protect, enhance and provide for the wise use of all the Tribe's natural resources in a manner which will ensure that all generations to come will benefit from these r



Community Health Clinic



Sprung Structure and Fitness Center



Sustainable and traditional foods





While not this cold



ANA SEDS Goals



- | Form Siletz Tribal Energy Program (STEP)
 - Logo and branding turned out to be very important
- | Specialized Training
- | Form Partnerships
- | Public Education
- | Plans and Codes





EECBG Activities

- | Education and plan
 - In community
 - At office

- | Energy Audits

- | Retrofits



Low Income Weatherization

- | Ramp up program and buy supplies
- | Specialized training of employees
- | Energy Audits
- | Retrofits

Bonneville Power Administration (BPA)



- | Specialized training for tribal members
 - Infrared training and purchase of camera and other supplies

- | Public outreach and education

- | CFLs

- | Energy Star Appliances

ANA funded training



ANA funded training

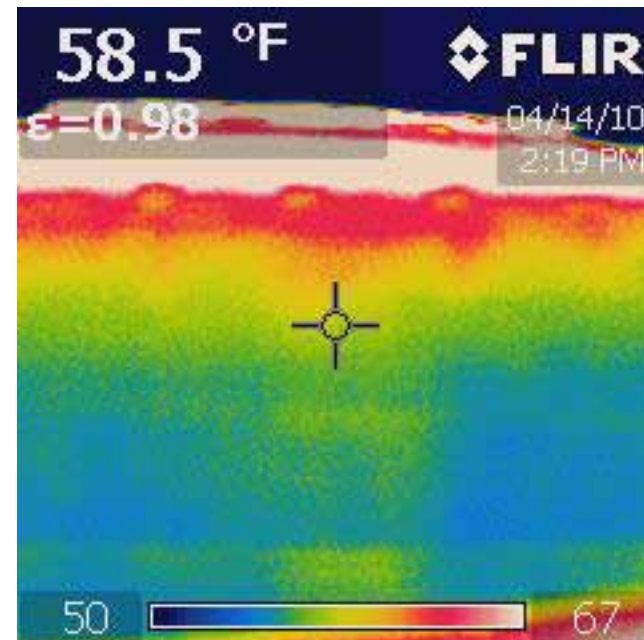
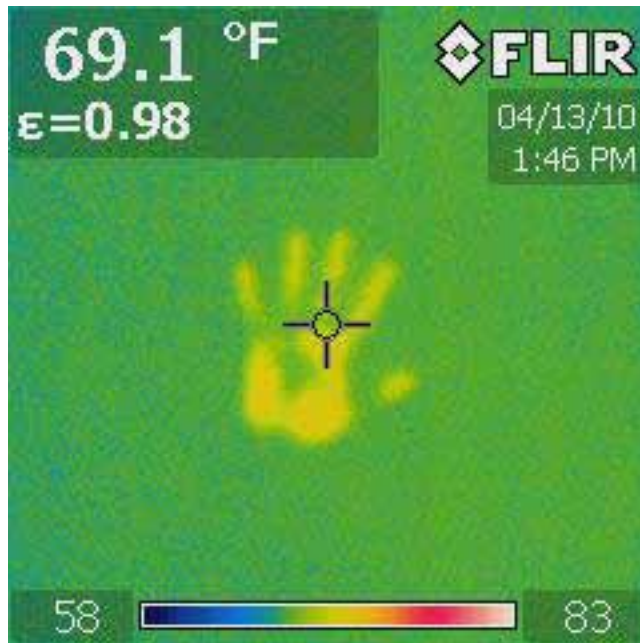


Weatherization trailer and supplies





Infrared training





Energy Audits

- | Commercial
 - Sponsored by BPA and local power companies
- | Residential
 - Conducted by trained tribal members





Residential Audit



Commercial Retrofit: Admin 2: New Heat Pumps





Residential Retrofit: new furnace and dehumidifier and ductwork





CFLs

- Thanks to the BPA and local electric companies





Energy Star Appliances

- | Refrigerators
- | Washing machines
- | Microwaves
- | Thanks to the BPA





REACH

- Public education and outreach about energy efficiency and conservation, safety, and specifically about the health risks of mold and mildew in the home





Education and supplies

- | CO detectors
- | Smoke detectors
- | Reusables (bags, water bottles)
- | Aerators/low flow showerheads
- | Fire extinguishers
- | Educational material- pamphlets, coloring books, calendars, tip wheels, movies, books about EE, conservation, mold and mildew



Community Events Earth Day 2010



Culture Camp 2010



Earth Day 2011



Health Fair and Public Meetings 2010 and 2011



Pow Wow and Culture Camp 2011





Demonstration Garden 2011

- | Solar fountain
- | Reuse of materials
- | Rainwater use
- | Composting





Demonstration garden



Demonstration garden



Recycling



Composting



EPA Climate Showcase Communities Grant



- | Continue education of community and employees
 - 4th of July decorating contest with recycled material
 - Calendar contest among youth
 - Small Measure Weatherization workshops
- | Solar PVT on roof of Wellness Center
- | GHG inventory of community

4th of July Decorating contest





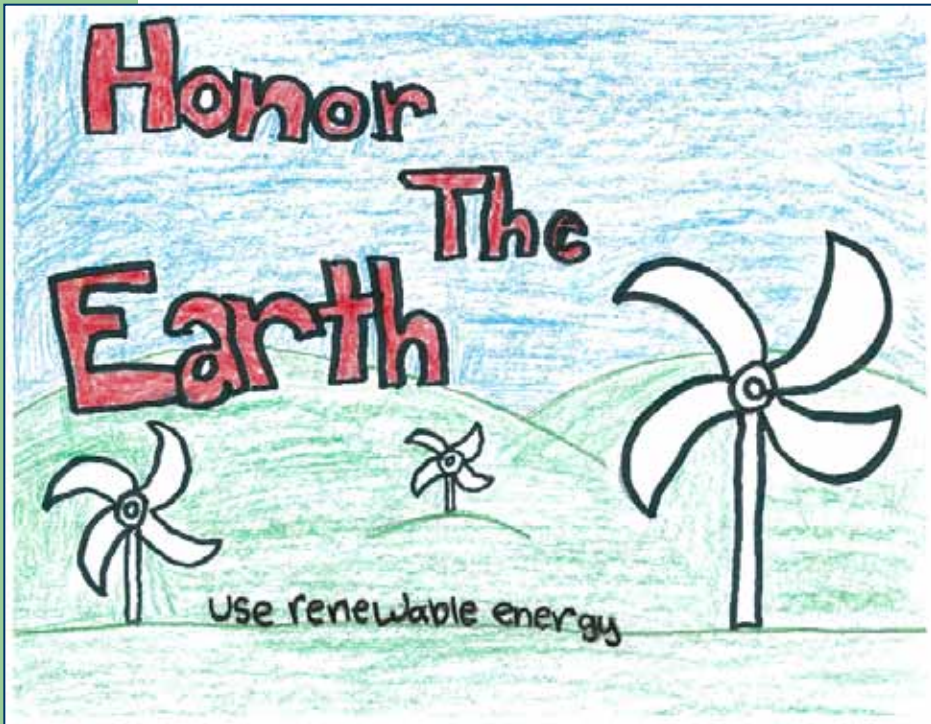
4th of July decorating contest







Calendar contest



Small Measure Weatherization Workshops



- | Modeled after the Community Energy Project in Portland, Oregon
- | Simple measures people can take themselves
- | Added CFLs, smoke and CO detectors, fire extinguishers, faucet aerators, low flow showerheads





Rope Caulk

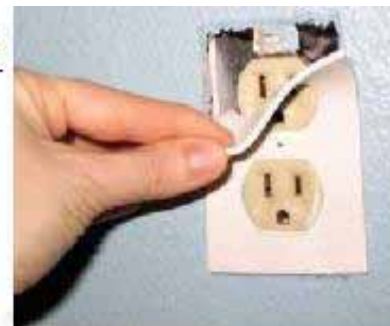


Caulk Gun

Siliconized Caulk



Foam Gaskets



Pully Seals



Reusable Plastic Storm Window Kits



Oversize Custom Kits

Solar on Wellness- Planned





Solar hot water on Gwee Shut





First Steps Grant

- | Hire data coordinator
- | Send four tribal members to training to learn how to install and maintain solar panels and solar hot water



Project need

- | In God we trust, all others must bring data.
- | Data from all grants has been collected but not completely entered or analyzed

Grant	Public	Education	Audit	Retrofit	Specialized Training	Develop plans and codes	GHG inventory	Renewable
ANA	x		x		x	x		
EECBG	x		x	x		x		
Low Income Wx	x		x	x	x			
BPA	x		x	x	x			
REACH	x		x	x				
CSC	x		x	x			x	x
First Step					x			x



Project benefits

- | Accurate data will help guide future decisions
- | Training will continue to build capacity in tribe and tribal members

Thanks to the DOE for continued funding



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