Yerington Paiute Tribe

Yerington, Nevada
Lyon County

Population ~1600

575 Tribal Members
Yerington Paiute Tribe

- Northern Paiutes
- Gained Federal Recognition 1934
- Land Base approx. 1,653 Acres
- Famous Historical Figure

Wovoka

Wovoka was the Paiute mystic whose religious pronouncements spread the Ghost Dance among many tribes across the American West. ~pbs.org
YPT DOE Grant

Purpose
Design and implement a planning organization to support renewable energy projects

Determine energy options to best serve the needs of the YPT
Objective: Data Analysis

- Legal
- Market
- Organizational
- Economic
- Cultural
Tribal Energy Development Committee

- Advisory in nature
- Answers directly to the YPT Tribal Council
- Researches options
- Assists with tribal energy development options
- Provide recommendations for YPT Tribal Council action.
Vision Statement

- To Develop energy resources and practices for the benefit of the Yerington Paiute Tribe.
Goals

- Provide alternative energy to all tribal government and business entities
- Include alternative energy in all economic development proposals and plans
- Reduce energy costs to tribal members through weatherization and use of alternative energy
- Adopt the use of alternative energy in all future identified construction
First Steps

- Increase the use of alternative energy
- Incorporate energy planning/use of alternative energy in construction and economic development.
Options

Potential activities to be listed as part of the Strategic Energy Plan.

- Energy Conservation
- Solar
- Wind power
- Biomass
- Hydroelectric
- Geothermal
- Geo-exchange
- Biodiesel
Potential Issues

- Feasibility
- Community and stakeholder involvement
- Cultural Issues
- Locations
Conservation and Weatherization

- Existing homes:
  State of Nevada Energy Assistance Program
- Planned homes:
  Improve housing standards
  Weatherization
- Buildings
  Buildings currently on solar
  Conservation will focus on remaining energy needs
Solar
Solar

- Commercial and residential
- No restriction on land use,
  - shading
  - meteorological issues
- Current projects in place
- Projects on non-Tribal property are meeting resistance in Lyon County
Wind

Nevada - Annual Average Wind Speed at 80 m

Wind

- Ridge top – commercial, none owned by Tribe
- Data to estimate valley floor viability – Some data, need more
- Possible residential application
Biomass Resources Nevada

This study estimates the technical biomass resources currently available in the United States by county. It includes the following feedstock categories:
- Agricultural residues (crop and animal manure)
- Wood residues (forest, primary mill, secondary mill, and urban wood)
- Municipal discards (methane emissions from landfills and domestic wastewater treatment)
- Dedicated energy crops (switchgrass on Conservation Reserve Program lands)

Biomass - Less than 50 tons/year for Lyon County
Biomass

- Biomass recycling based on viability
- Pellet mill - chipping
  - immediate small scale opportunities
- Industrial Sources (Dairy) – Not Viable
Hydropower

- No resources on Tribal property
- Facility to North
- No additional consideration required
Geothermal

- Class 2 Deep Enhanced Geothermal Potential
- Wabuska Plants built in 1984 and 1987, both 0.6 MW (smallest in Nevada)
- Hot springs and warm wells are known in the immediate area of the Reservation
Biodiesel

- Small potential
- Cheap systems,
- Free material source results
  - inexpensive diesel for Tribal equipment and vehicles
- Raw materials availability
Pre-energy Program Budget

- Create a working group with representatives from programs with energy components to coordinate opportunities for the Yerington Paiute Tribe (now only Environmental)
- As funding becomes available, allow the energy department to evolve
- Update SEP
Thank you!

Presented By
Ginny Hatch
Wetlands Coordinator

For more information please contact:
Yerington Paiute Tribe Environmental Department
(775) 463-7866
environmentaldirector@ypt-nsn.gov