

Yerington Paiute Tribe

DOE First Steps Grant



Presented By
Ginny Hatch
Wetlands Coordinator



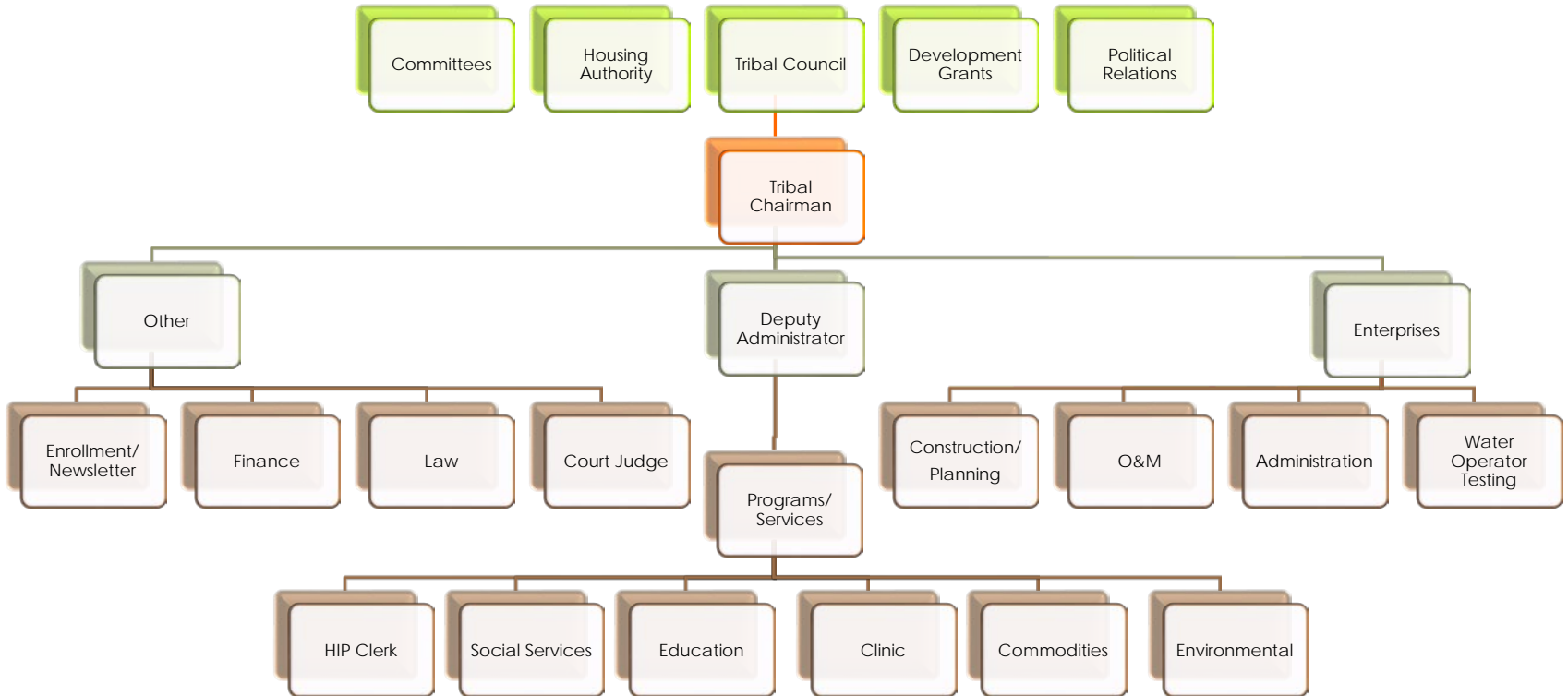
Yerington Paiute Tribe

- 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

Organizational Chart



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

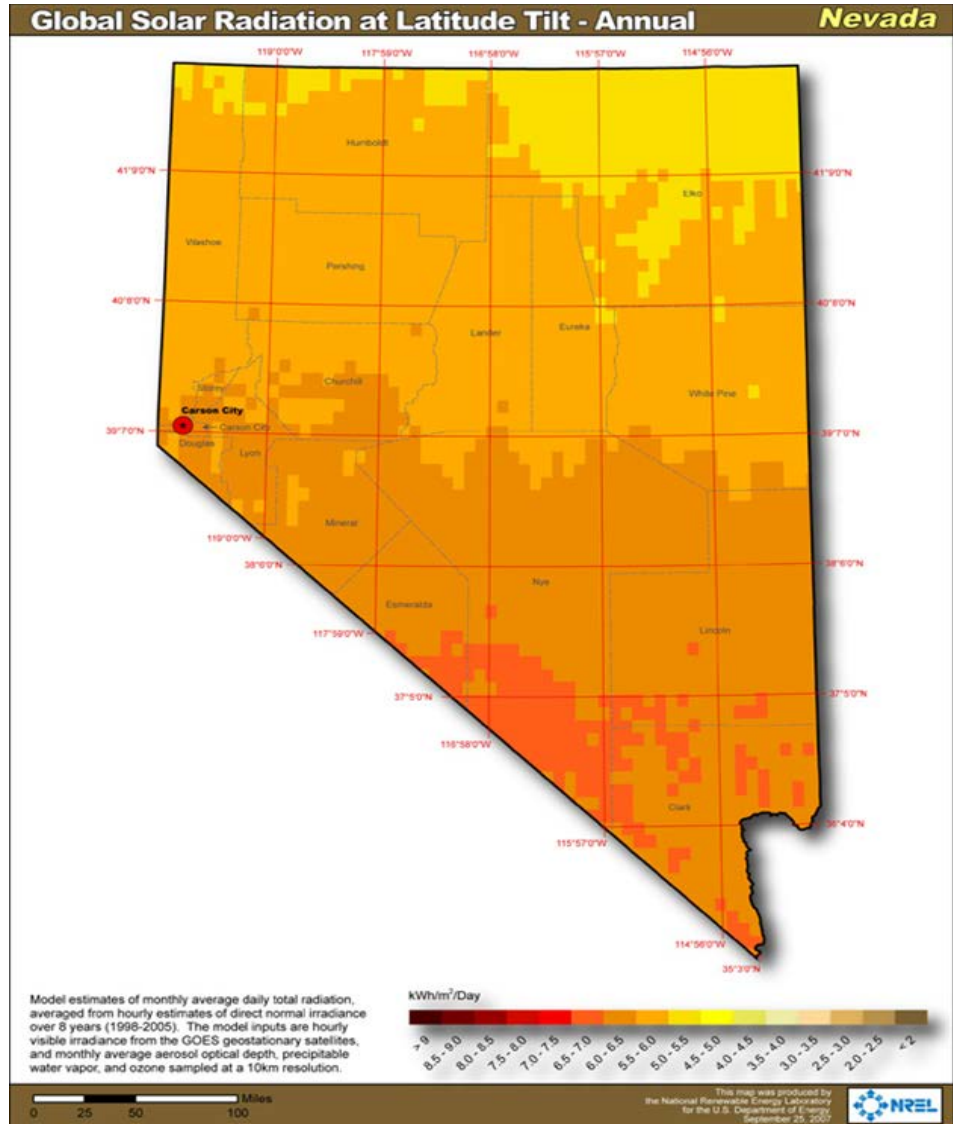
Potential Issues

- 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



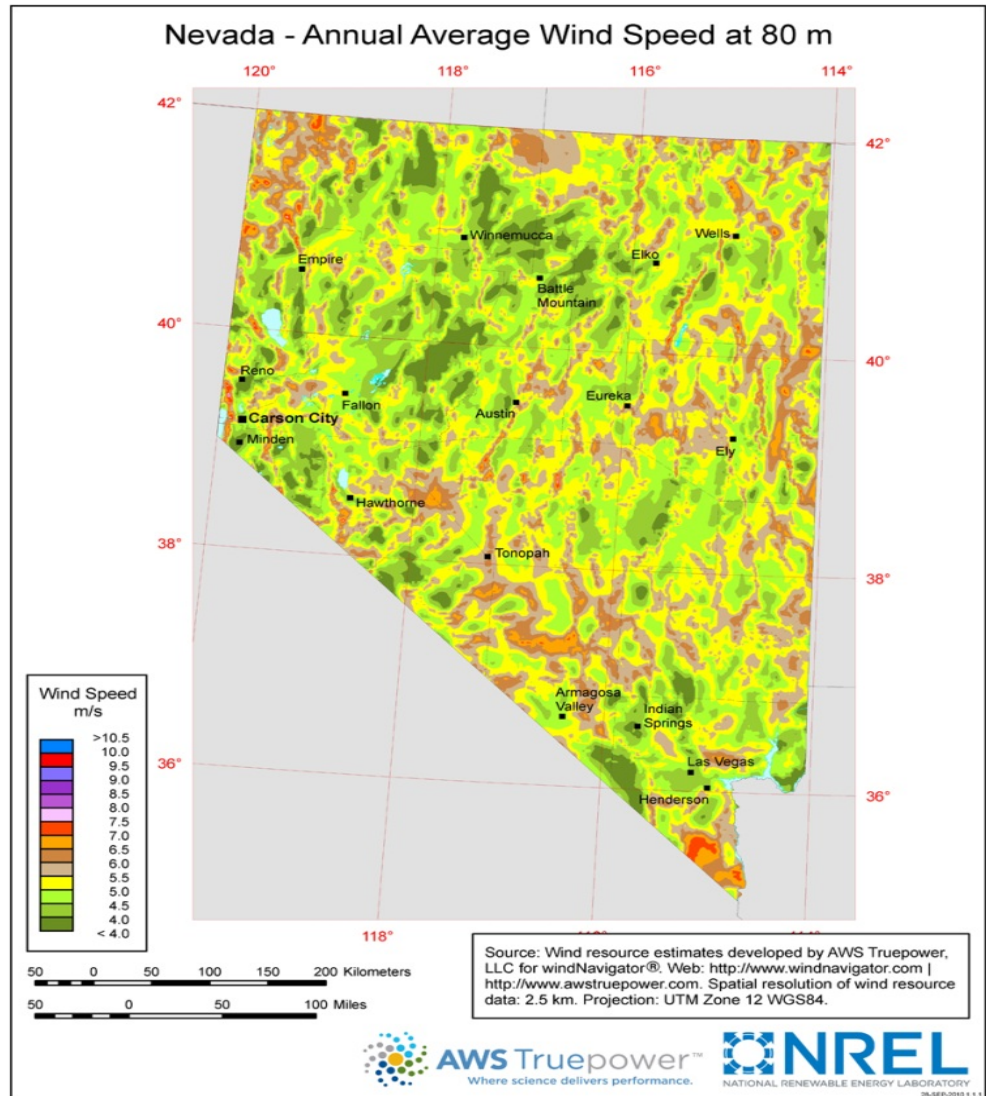
Solar

- 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

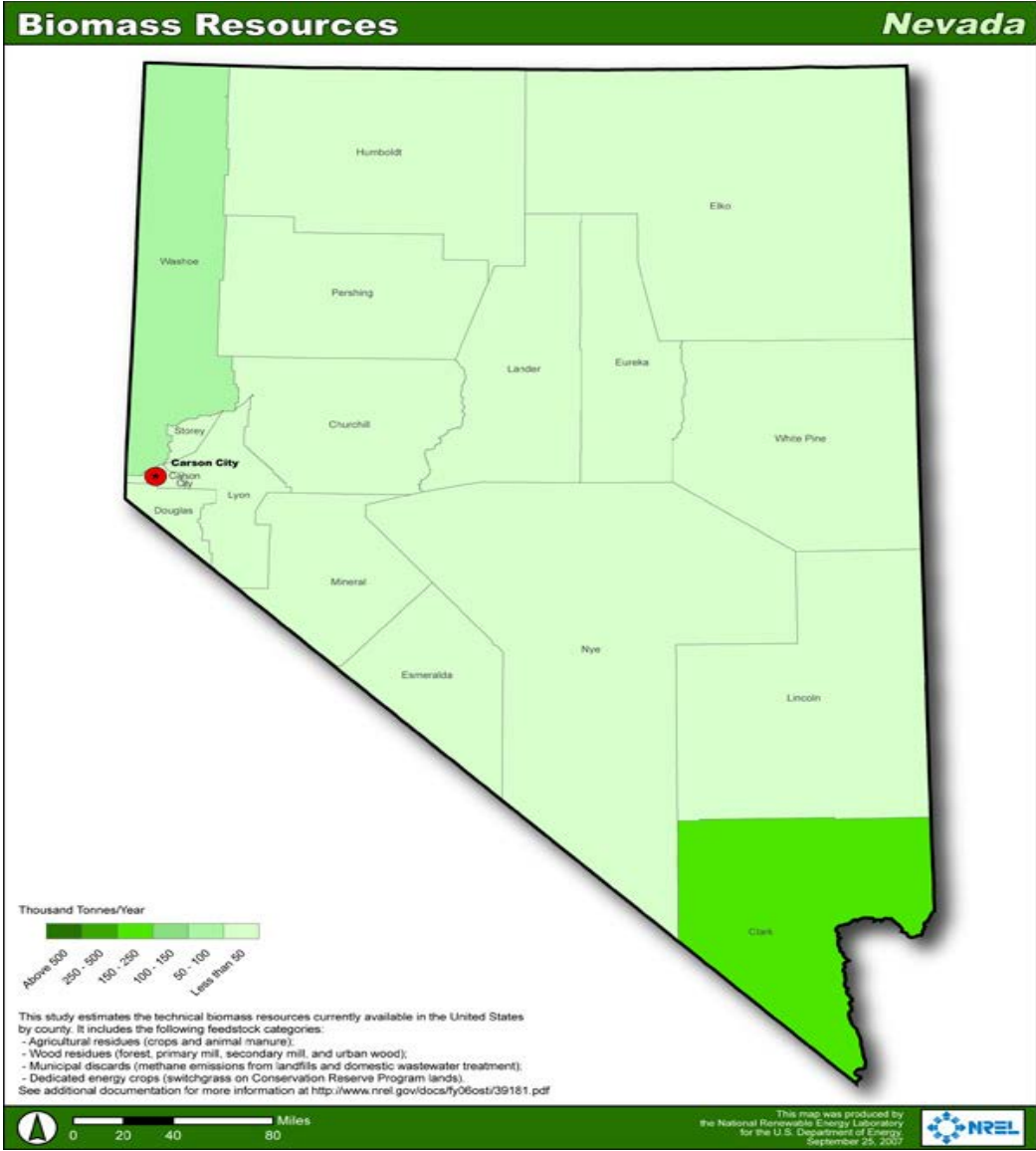


Wind

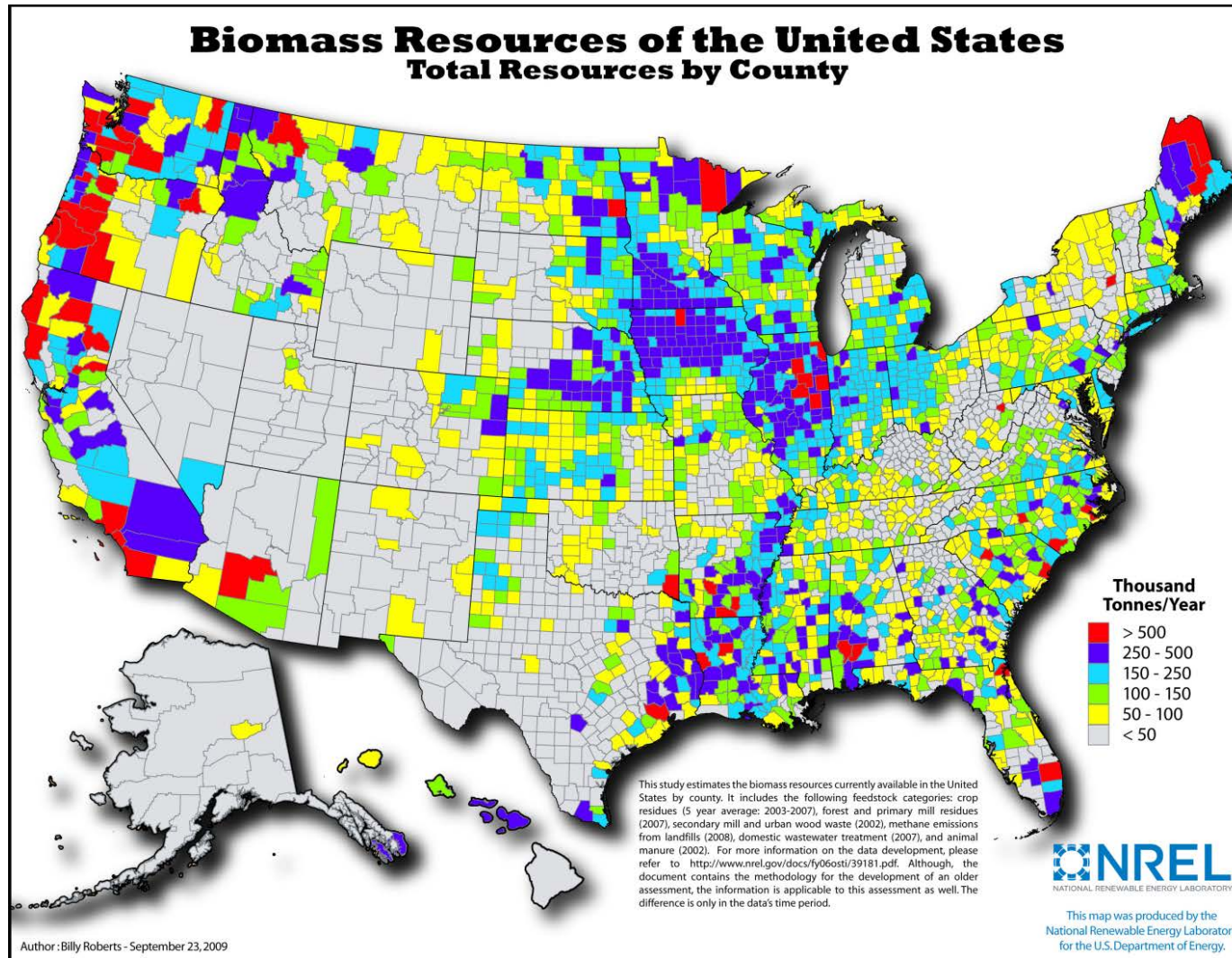
- Ridge top – commercial, none owned by Tribe
- Data to estimate valley floor viability –
Some data, need more
- Possible residential application



Biomass



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



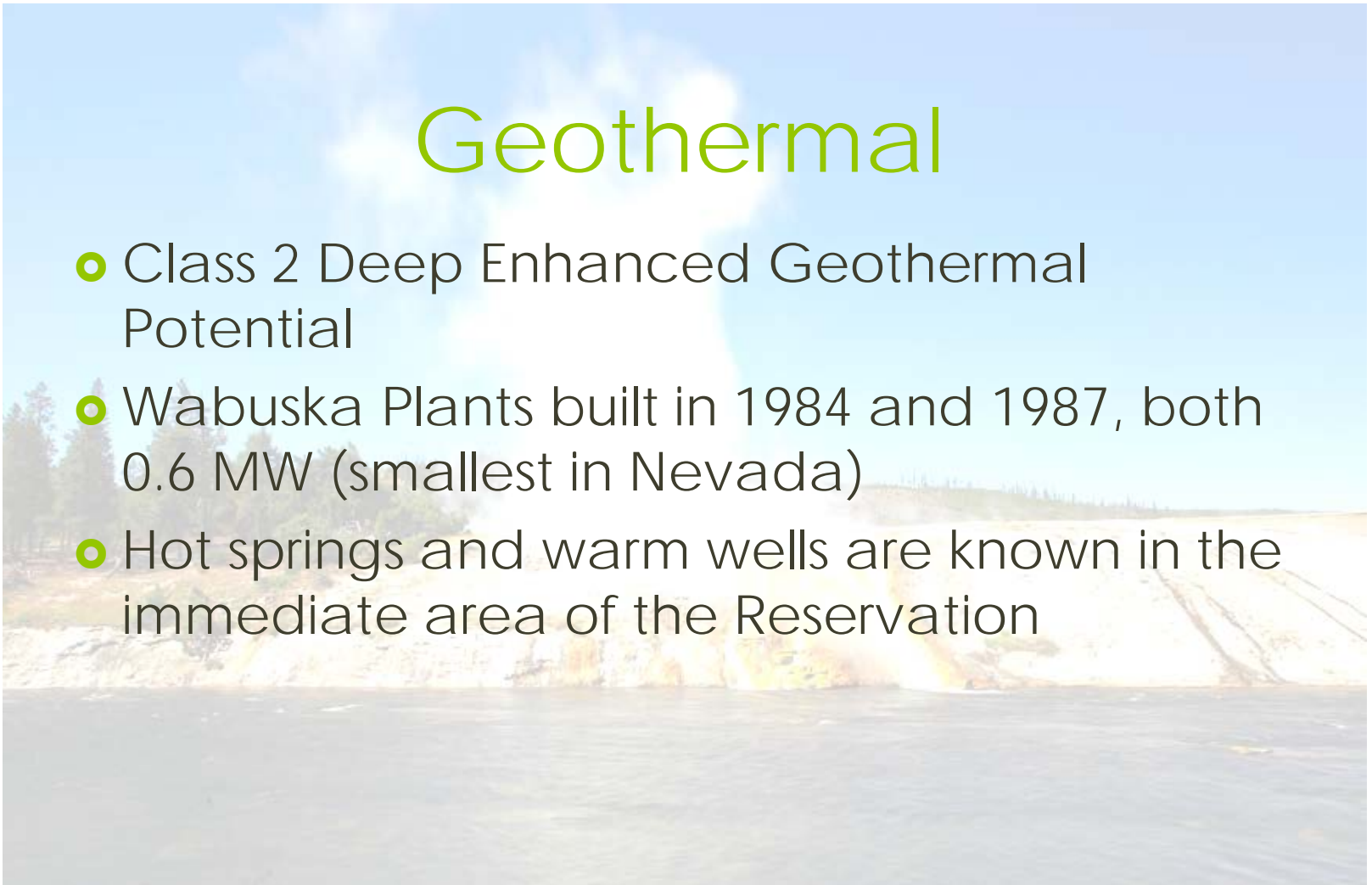
Hydropower

- 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!

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