



*Achieving Energy Self-Sufficiency*

# Development of an Energy Organization

DOE Tribal Energy Program  
Program Review Meeting  
November 18, 2008

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RIVER  
RANCHERIA



Smith River Rancheria Tribal Administrator  
Smith River Rancheria Grants and Contracts Director

Russ Crabtree  
Ed Wait

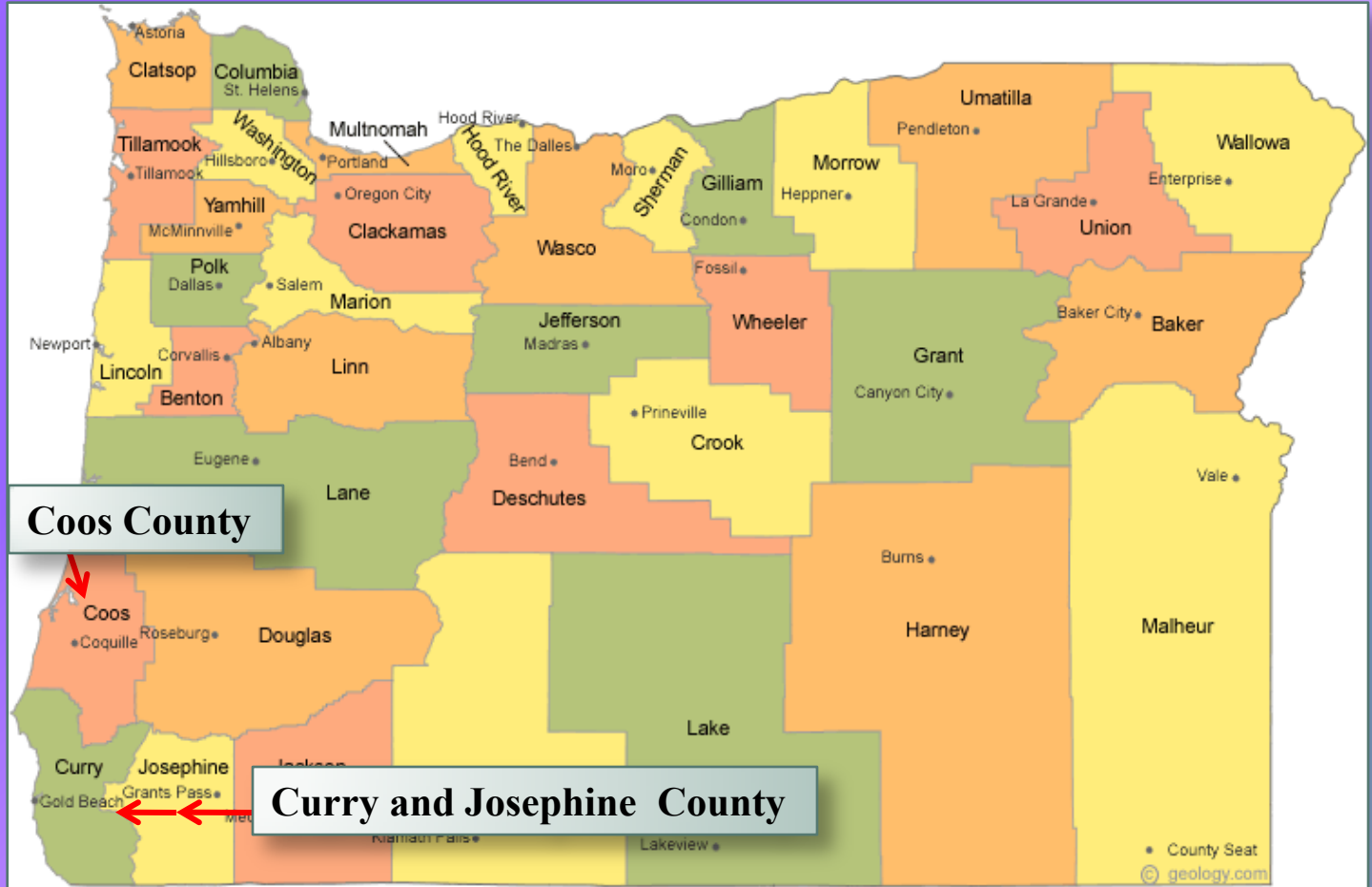




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# OREGON

County Boundaries



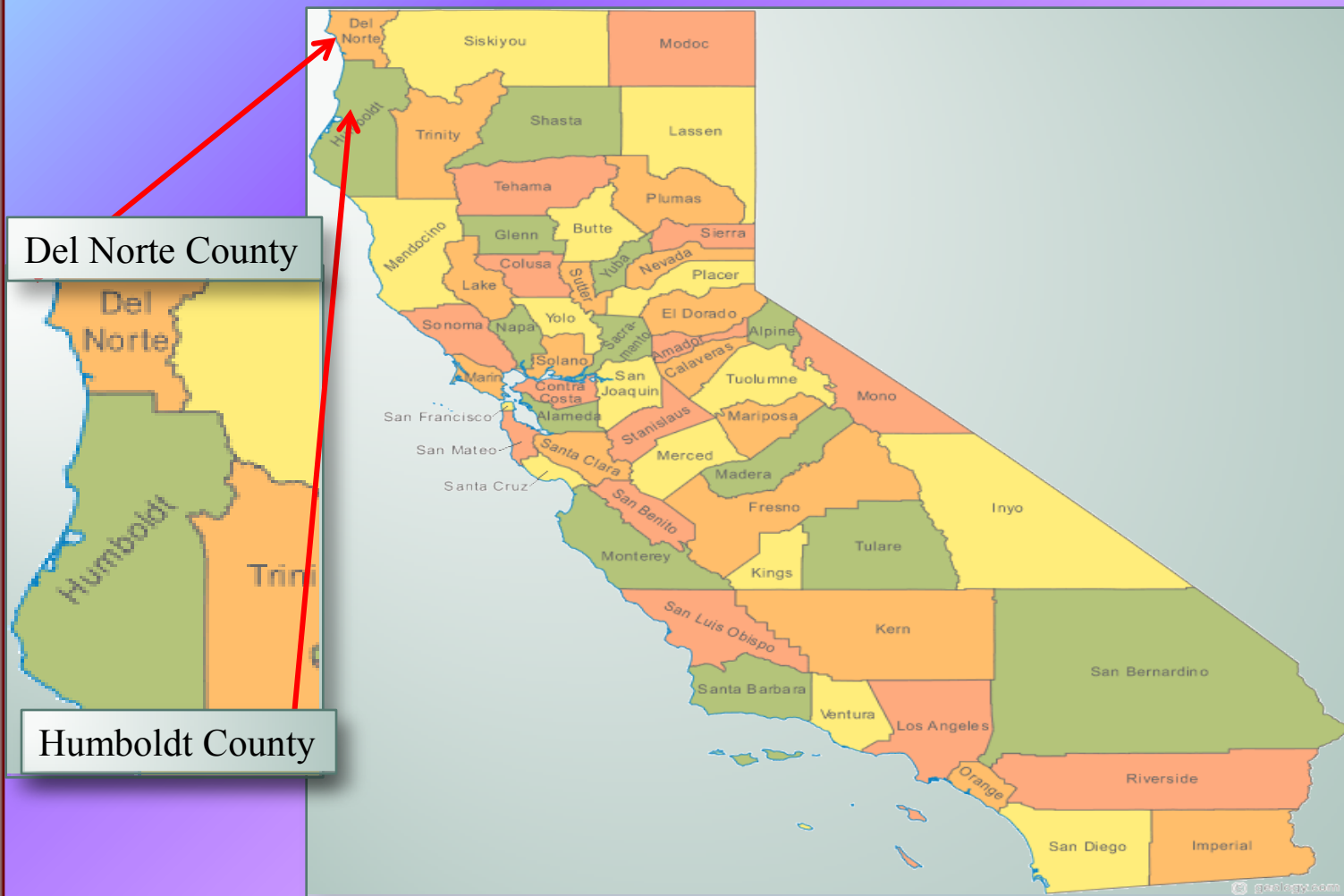


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# CALIFORNIA

County Boundaries





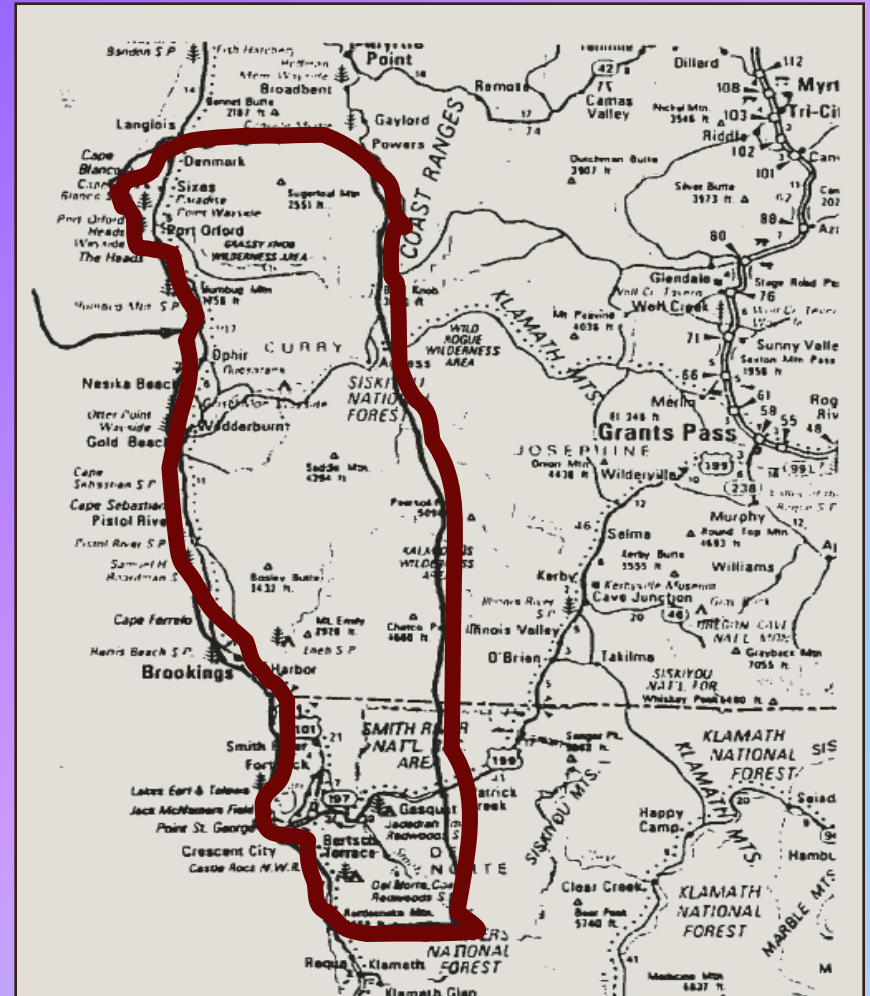
# Smith River Rancheria Location

## *Our Aboriginal Territory*

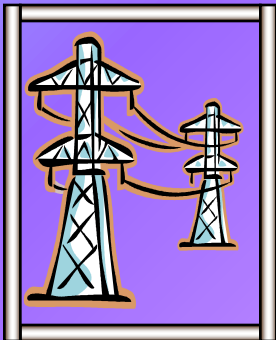
spans from the Pacific Ocean to the west, south to Wilson Creek in Del Norte County, north to the Sixes River in Del Norte County, north to the Sixes River in southern Oregon, and east to the Applegate river drainage in Oregon.

**Smith River Rancheria is located in the northwestern most corner of California.**

- Coastal Setting
- End of Transmission Line From Pacific Power
- No Redundancy Built into System



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## History of Past Projects

- Economic & Technical Feasibility
- Evaluate Wind, Solar and Bio Mass
- Tribal Energy Load Assessment
- Community Need for Energy vs. Export
- Conservation Opportunities
- Power Market Assessment





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# History of Past Projects

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- **Conservation**
  - **First Step in Minimizing Energy Use**
  
- **Wind, Solar & Bio Mass**
  - **Provide Limited Energy**
  
- **Limited Resource**
  - **Due to Geographic Location and Sustainability of Source**
  
- **More Than Just Developing Resources**
  - **Locally Self Determination is How Power Delivery Takes Place**





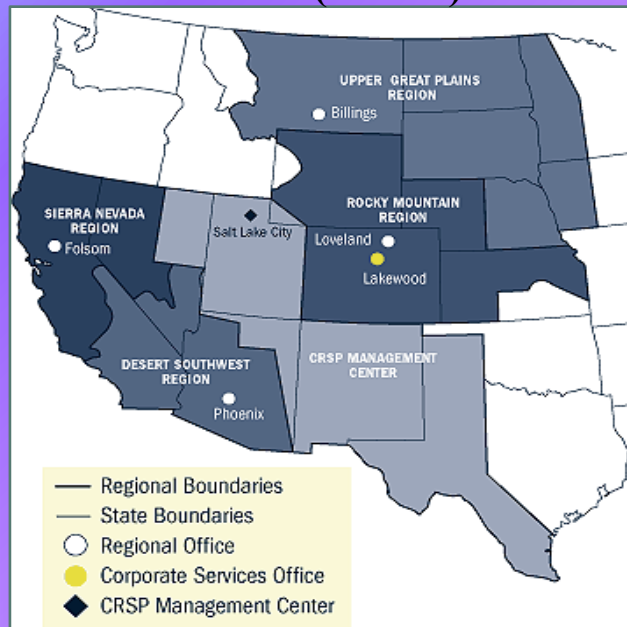
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# Power Supply Options

- **Federal Power Marketing Agencies**
  - **Western Area Power Administration (WAPA)**
  - **Bonneville Power Administration (BPA)**

## Western Area Power Administration (WAPA)



## Bonneville Power Administration (BPA)





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# Utilities

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- **Interconnected Utilities**
  - **PacifiCorp and Coos Curry Electric Coop**
  - **Ability to Sell into Oregon or California Market**
    - **Allocation**
  - **Purchase from Either Market**
    - **Future Tribal Enterprises**
  - **Added Redundancy for Smith River Rancheria**



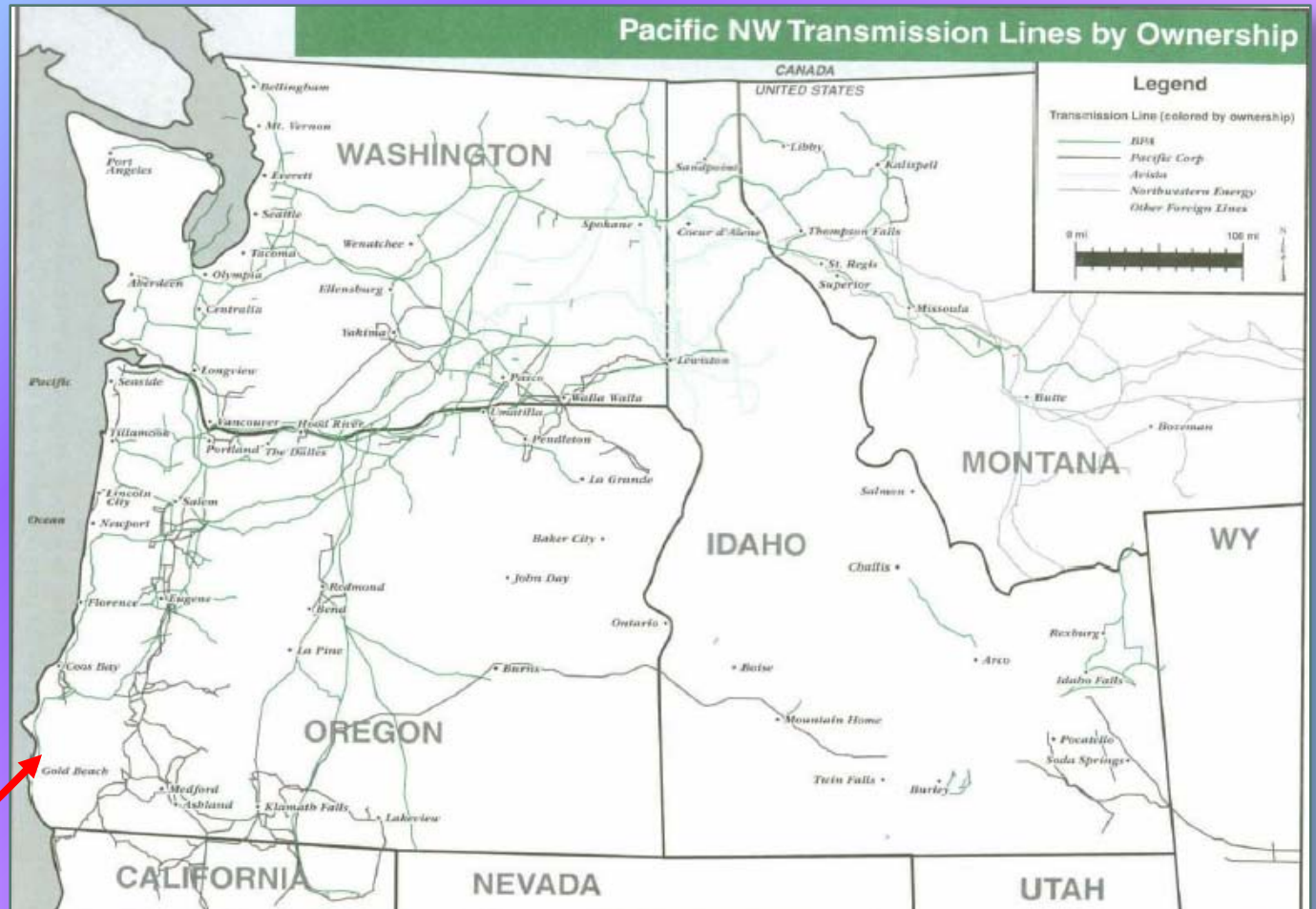




# Transmission Lines



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# Transmission Lines





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# Utility Activities

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- **Interconnected Utilities**
  - PacifiCorp and Coos Curry Electric
  - Ability to Receive Allocation in Oregon or California Markets
  - Purchase from Either Market
    - Future Tribal Enterprises
  - Added Redundancy for SRR and Region





# SMITH RIVER RANCHERIA



## Goals

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- Utilities Interconnection with Southern Oregon and Northern California
- Review of Options for Delivery of Power to the Smith River Rancheria Customer Base
- To Address the Regional Power Needs Through the Best Available Options





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# Goal 1 – Utilities Interconnection with Southern Oregon and Northern California

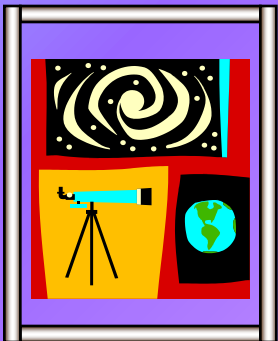
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- Establish Allocation Parameters with WAPA and BPA
- Review Assets Needed for WAPA Power Delivery
- Review Assets Needed for BPA Power Delivery
- Gain a Thorough Understanding of the PUC Regulatory Commission





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## Goal 2 - Options for Delivery

- Formation of a Tribal Utility
- Cooperative Agreements with Local Power Providers
- Purchase of Existing Infrastructure
- Construction of New Infrastructure





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## Goal 3 - Regional Power Needs

- Secure Adequate Power Supply for the Region
- Redundancy in the Power Supply System
- Ensure the Approach Used is the Least Cost for Commercial and Residential Activities





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## Desired Outcomes

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- Sustainability Through Renewable Resources
- To Establish Conservation Opportunities
- Control Energy Availability and Costs that Effects the Economic Viability of the Smith River Rancheria
- Continue the Smith River Rancheria as an Economic Driver for the Bi-State Region







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