

Kootznoowoo's Thayer Lake Hydroelectric Update

U.S. Department of Energy

November 16, 2011

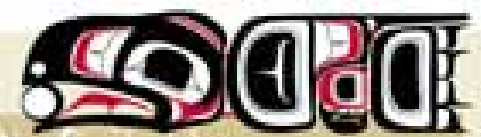
Tribal Energy Program

The Project

- Run of River Project
- 200 ft of head
- 6 miles North
- 1000 kilowatt
- 8 miles of road
- Underwater crossing

Angoon

- Angoon and its people - from Time immemorial
- Only year round community in Wilderness and National Monument
- USDA is the land manager
- 400 residents with potential to grow
- Current spot demand of 600 kW
- Commercial Rate unsubsidized \$.60 plus kWh
- Centrally located in Panhandle & Tongass
- Considerable hydroelectric potential



TRADITIONAL TLINGIT COUNTRY



Tongass



Kootznoowoo

- ANCSA Village Corporation
- 1100 shareholders
- Most want to return to Angoon
- Two Significant holdings
- Interest in
 - Stocks, bonds, commercial real estate
 - Energy Infrastructure
 - Tourism
 - Lands and Mining

The Team

- City of Angoon and Angoon Community Association have described this project as the community's #1 priority
- DOE has been a game changer for us
 - Interior/Commerce – Tribe
 - Agriculture Tribe and Kootznoowoo
- Add our local utility and State of Alaska in the past 18 months

Accomplishments 2010/11

- Matching funds available from State of Alaska
- Understand the Vendor landscape much better
- MOU with Tribe and City
 - IRR roads
 - Utility structure discussion
 - IPEC Board considering disaggregating rate
- Participation in Regional IRP -- Priority Project

Accomplishments

- Angoon adopted written Energy Policy
- Fiber Optics and Telecommunications
- FEIS and ROD –Summer 2009
 - City of Angoon and ACA's top Priority
 - Fully engaged with USDA
 - Applied to State Renewable Energy Fund

Lessons Learned

- Build Trust
- Give your self time
- Communicate

Activities Yet to Be Completed

- Engage counsel – later this month early December – Meeting on 29th
- RFP for engineering firm
- Select Engineering firm after consulting with Tribal Government on the road portion
 - Reforecast load
 - Integrate backup, storage, auxiliary power
 - Complete design
- Complete preconstruction activities and permitting
- Negotiate final SUP
- Close Grant

Our Future Together

- Construction phase
 - Healthy community phase
 - Building supplies
 - Retail sales
 - Other regional hub drivers
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- Population of 1200 to 1500 within 50 miles
 - Avalanche free Intertie potential to regional grid

Future aspects

- Tidal Potential 12 knot current
- Natural Currents
- Research & Development
- Wind Potential in POW

Gunalchéesh!

DOE

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