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
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

- 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
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