

Kootznoowoo's Thayer Lake Hydroelectric Update

U.S. Department of Energy
November 17, 2009
Tribal Energy Program

Thayer Lake Report

- Brief Summary of Tribe
- Project Overview - video
 - Accomplishments
 - Lessons Learned
 - Activities Yet to Be Completed
- Future Plans

Angoon

- Angoon and its people
 - Time immemorial
 - Only year round community in wilderness and monument
 - 400 residents with potential to grow
 - Current spot demand of 600 kW
 - Commercial Rate unsubsidized \$.55 kW
- Admiralty Island and the Tongass
 - Considerable hydroelectric potential
 - Balance established in ANILCA

Hydro Potential in area

- Considerable
 - 1947 Water Powers Study
 - Forest Service and Federal Power Commission
 - 200 hydro sites described in Southeast
- Thayer Lake

 - Potential power – 12,000 horsepower
 - Run of the river
 - Ready to build – mobilize in spring

It's Only Natural

- Circa 2000

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 administration
 - Applied to State Renewable Energy Fund

Partners in Energy

- City of Angoon and Angoon Community Association have described this project as the community's #1 priority
- We see DOE as incredible addition to our existing relationships with Interior and Agriculture.
- UNESCO Biosphere Reserve

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

Kootznoowoo's Focus

- Investments in Angoon
 - Build out home sites
 - Grow community
 - Locate year round business
- Energy Investments
 - Green production – Tidal and Wind Partners
 - Encourage shareholders to get certificates and training in the new Green Economy
 - Conservation (15% return)

Activities to be completed

- Need to encourage Congress and the Administration to consider certain types of hydro be considered renewable for economic environmental attributes.
- Need to encourage better State/Regional Energy Policy that attracts outside capital
- USFS TLMP decision must be amended to address energy
- Working collaboratively with Energy Partners to address regional concerns

The Future

- Complete Preconstruction activities and permitting
- Tidal Potential
 - 12 knot current
 - Natural Currents
- Research & Development
- Wind Potential in POW