

# Gunalcheesh !

(Thank you)

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DOE Presentation  
Kootznoowoo Incorporated  
1+ MW Thayer Creek Hydro-electric  
Development Project

# My Turn

Peter Naoroz  
General Manager  
Kootznoowoo, Inc.

Final Design Grant  
No Construction  
Previous work done by HDR, Alaska  
Cost Reduction



# Recognize

- Angoon Community Association
- City of Angoon
- Sealaska Corporation
- Central Council of Tlingit and Haida Indian Tribes of Alaska
- Inside Passage Electrical Cooperative
- Our Neighboring Communities
- Our First Nation Brothers and Sisters
- DOE, USDA FS, BIA
- You

# Current Electric Situation

- 67 cents per kW
- ½ of that cost is utility G&A and Non Energy
- State Subsidy
  - Applicable only to Residential
  - Industrial Rates are higher
- We understand Conservation
  - Highest energy ratings on our freezers
  - Energy efficient lighting is also understood
- Excellent Housing Authority



# Core Project Team

- DOE
- State of Alaska
  - Matching Funds
  - \$7,000,000 of construction funding
  - Regional Energy Plan
- USDA Forest Service
- Alaska Power and Telephone (AP&T)

# Angoon's Energy plan

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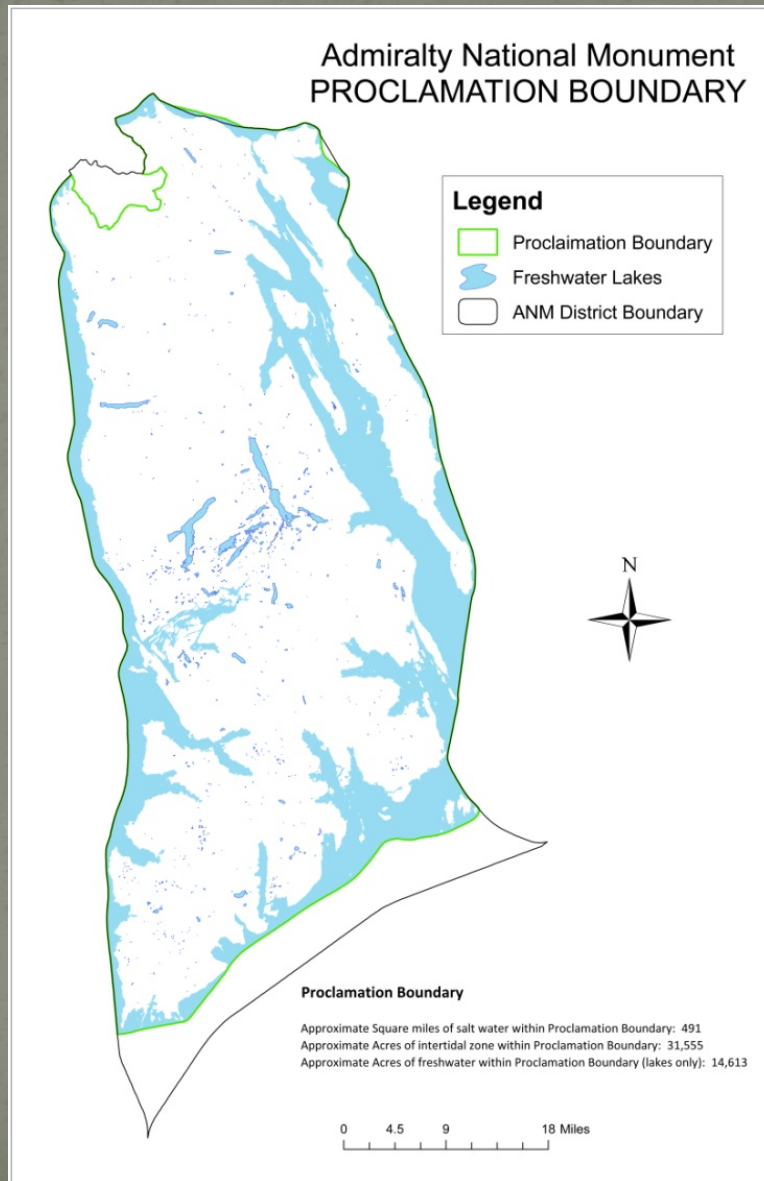
Angoon Community Association  
City of Angoon  
Kootznoowoo, Inc.



# Kootznoowoo Resolution 08-01

- Recognized our traditional lands
- Recognized diversity of energy resources
- Tides, Coal, Wind, Hydro
  - Who Will Stop the Rain ?-- CCR
- Biomass – Sealaska
- Regional orientation
  - Firming, storage and magnitude
  - Our people are on both sides of the US / Canada border
  - ANCSA provides us Angoon and POW lands

# Federal or State Waters





# Angoon National Monument & Kootznoowoo Wilderness



- Long history - 10,000 years
- Winter Community
- Modern Era start with President Carter's Proclamation
- ANILCA
  - Title V
  - Title VIII
  - Title XI
- Energy Policy



# Working & Standing Together

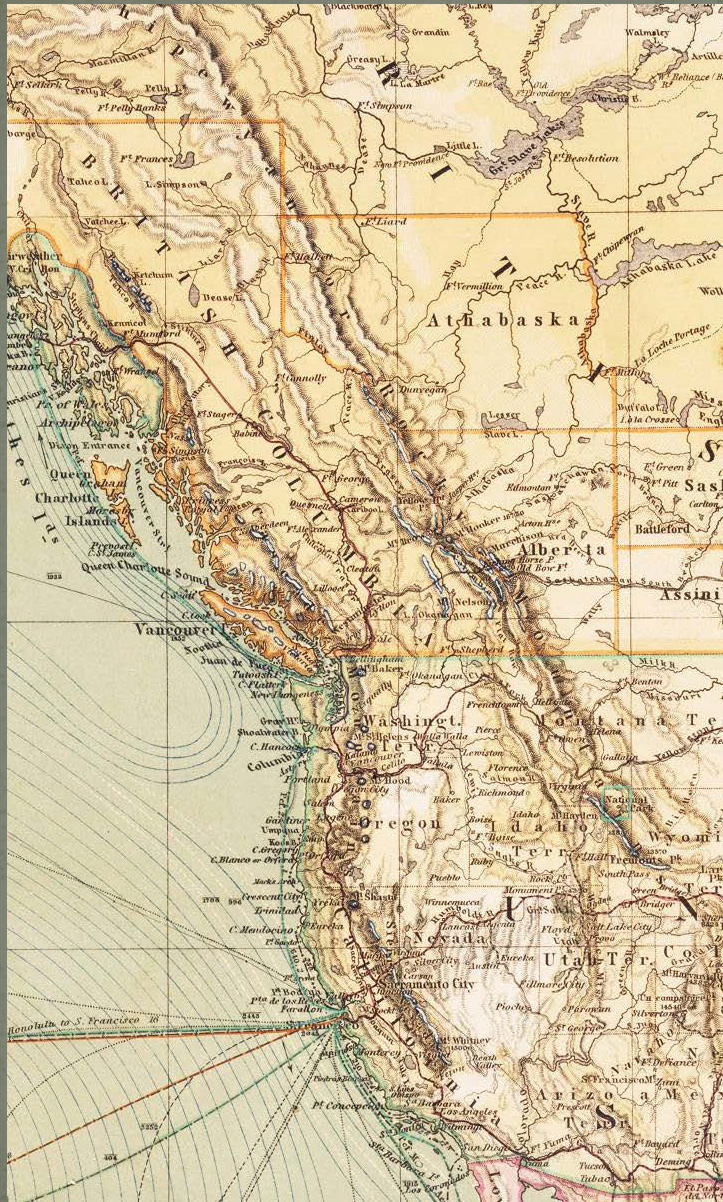
- MOU among Tribe, City and Kootznoowoo
- Indian Reservation Roads (IRR)
  - Meeting with Tribal Council in preparation for this meeting
  - Selection Criteria for Contractors
  - Local Hire
  - AP&T relationship with traditional Villages
- Utility Structure
- Regulatory Structure



# Colonial Mentality

- Russian America
- British Columbia
- Manifest Destiny
- Treaty of Peace
- Telegraph line
- Missionary Period
  
- Where does Community Fit?





## Colonial Plan

## 1882 Telegraph

Part of the Race to Russia

Lost to the Atlantic

Hook Naval Stations of San Francisco and Sitka

Priority was National Security

Wrangle and Angoon along route

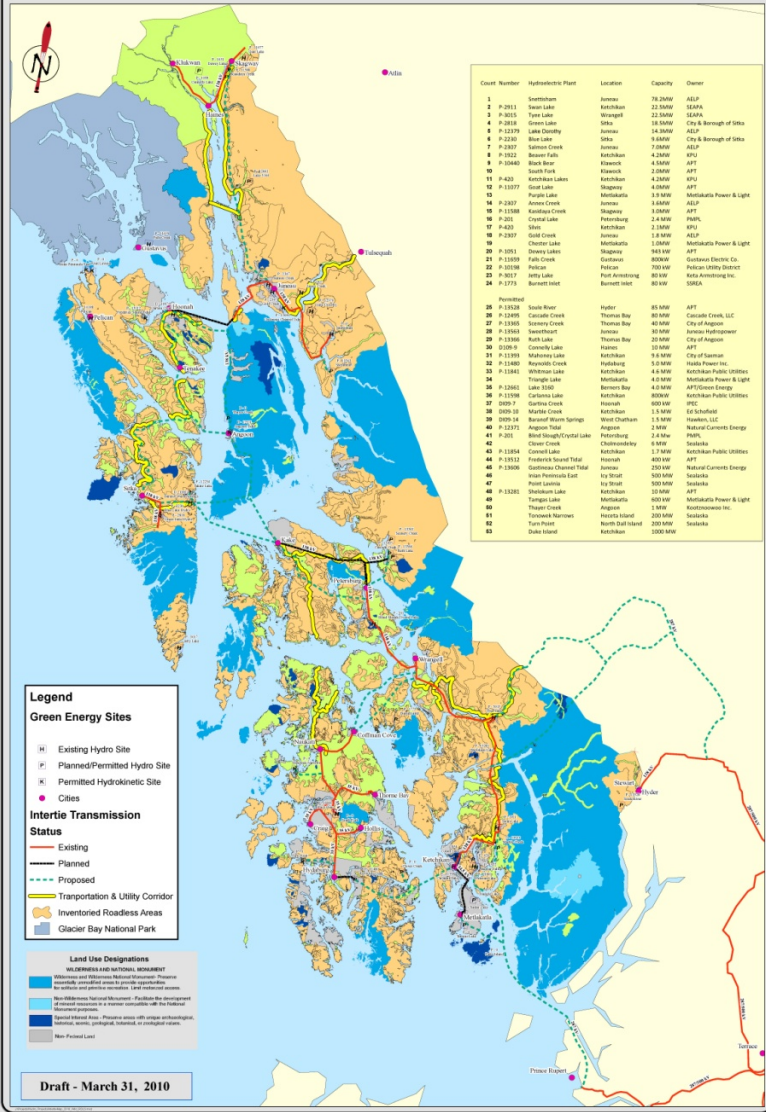


# Current Situation & Priorities

- “Have” and “Have Not” Communities
- Colonial v Native Indigenous
- Social Injustice
- No Growth
- Population Decline
- Why no postage stamp?
- Lack of transmission infrastructure



# Existing and Proposed Green Energy Sites and Intertie Transmission



New Southeast Intertie Plan needed

Congressional Authorization in Place

Price signals

Incredible Potential

Tribal Governance Opportunity



# Other Considerations to Energy Plan

- Angoon is only “village” in Southeast Alaska with Broadband through fiber options
- Cable landing station
- Need for redundant fiber
- Remote monitoring and management of Thayer
- Tidal Testing and Demonstration Site
- Micro Grid
- 100 Mile Segment of 400 Mile “North South” Backbone

# Lessons Learned

- Importance of planning
- Patience on results
- Measure carefully social injustice
- Don't accept mediocre results
- Planning
- Work only with realistic engineers
- Understand your role in the market
- Have confidence about your future and Tribal resources
- Importance of DOE



# Next Steps

- Thayer
  - Modify Record of Decision with USDA FS
  - Finalize Design and Business Plan
  - Build
- Regional Energy Plan Update
  - 20 Communities Rate Disparity
  - BC interconnect
  - OATT
  - Tongass Plan must include an Energy Component
- National Level Policy
  - Get Realistic about Renewables
  - Free Market will bring Tidal and Wind to Region

# Summary

- Fully implement 08-01
- First finishing design of Thayer at largest generation capacity 6.2 MW and 35 GWh potential (fall back if necessary under plan of finance)
- Affordable power to a community of 1000 plus citizens
- Commercial Power for industry in POW
- Strengthen the Grid from a National Standpoint and Contribute to National Security



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