Holistic approach to integrating energy supply to meet community needs

ARCTIC ENERGY SUMMIT

Helsinki, Finland
September 20, 2017
Cordova, Alaska;  Latitude 60°N
Cordova Electric Business Structure: Cooperative

- Owned by the electric utility customers (citizens)
- Governed by an elected board of Seven (3 years)
- Community health is our measure of success
- Not-for-profit Business Model
- Planning Horizon Spans Decades (Long View)
- Value, not cost or profit driven
DIVERSE COMMUNITY NEEDS

THE COMMON SOCIAL GOOD “COMMUNITY”

PUBLIC SAFETY

JOBS & ECONOMY

PUBLIC HEALTH

ENERGY & TRANSPORT

CULTURE & RECREATION

EDUCATION & TRAINING
Power Creek Hydroelectric Project
Built primarily for local, cost-effective energy
Project Outcomes

- $24M USD cost
- $31M diesel fuel savings
- 50,000 tons of reduced emissions
- 70% local hydro production
- Capacity growth
- Educational asset
- Growth to 5th largest US port
- Access road a recreational gem
Crater Lake Hydroelectric Project
Goal: Community Integration
Summary of Project Goals

PRIMARY GOAL:
SUSTAINABILITY FOR ALL STAKEHOLDERS

• Stored water supply for health & industry
• Expanded renewable energy supply
• Meet recreational need
• Complement adjacent lodge
• Add Educational Elements
• Consider Commercial/Business Needs
• Emergency Water Supply
PAST & POTENTIAL CORDOVA PARTNERS

CURRENT HYDRO PROJECTS ARE ON EYAK LAND, DIESEL PLANT IS ON CITY LAND, WE’VE ALL WORKED TOGETHER ON FUNDING AND CONSTRUCTION

ADDITIONAL PARTNERS:

- Citizen Groups (recreation, aesthetics and adjacent land owners)
- Environmental Groups (Watershed Project, Eyak Preservation Council)
- Emergency Services (FEMA, State of Alaska) – Coastal Water Supply
- Private Industry (environmental investments, partnering, ownership)
- US Government (Technology development and assistance, financing)
Anticipated Outcomes
(project success)

• Security and Sustainability for Cordova
• Improved Quality of Life
• Strong and Lasting Partnerships
• Reduced Negative Environmental Impacts
• A Demonstration Model for Global Best Practices
REYKJAVIK – PERLAN RESTAURANT
COPENHAGEN SKI SLOPE AND INCINERATOR
Questions?