Overview

• Process
• 3Ps
• 3Cs
National Strategy for the Arctic Region (NSAR) - Federal Engagement

• Step One – See Russia from your House
• The Ten Year Renewable Energy Plan
  – captures existing energy planning and development activities within the context of renewable energy and energy efficiency
  – identifies gaps or areas appropriate for federal agency engagement as stated in:
  • Executive Order 13175 – Consultation and Coordination with Indian Tribal Governments
  • Executive Order 13689 on Enhancing Coordination of National Efforts in the Arctic
Vlad came across the Sea for the 4th this year.
DOE IE and NREL at work as we speak in the Arctic
Stakeholder Outreach and Consultation Meetings

- 35 Meetings
- 2 Public Comment Periods
Community Input

• Common themes were identified and grouped into 21 areas with associated frequencies. Top four:
  – Innovative Technology/Research and Development (54)
  – Training and Workforce (52)
  – Coordination (48)
  – Basic Infrastructure/Hybrid Systems (46)
Holistic Approach

Ten Year Renewable Energy Plan for the Arctic

Priority Areas

- R&D of Appropriate Renewable/Energy Efficient Technologies in a Changing Arctic
- Maintenance of Resilient and Sustainable Energy Systems
- Optimizing Existing Infrastructure

Holistic Approach
New DOE Report on Tribal Energy System Vulnerabilities to Climate Change

The DOE Office of Indian Energy report assesses climate change and extreme weather vulnerabilities specific to tribal energy infrastructure and systems in the contiguous United States and Alaska.

PROGRAMS & INITIATIVES
- Alaska Native Villages
- Indian Country Working Group
- National Strategy for the Arctic Region

TECHNICAL & FINANCIAL ASSISTANCE
- Apply for Technical Assistance
- Federal Energy Development Assistance Tool
- START Program
- Upcoming Opportunities
Partners, Profiteers, and Panhandlers

• Pick Well
• Win, win, wins
• What’s left when the dust settles?

• The Federal Family is like any real family
  – Some are just good for pictures (bureaucrats)
  – Some are very loved (public servants)
The 3 Cs of NSAR Caution

- Cinderella
- Command and Control
- Cost
Summary

• Process
• Partners vs Profiteers
• Cinderella et.al.
• A quick Visual Arctic Conclusion
Off we go into the wild blue yonder
Biomass (formerly known as wood) Boiler
Jade - also found at the Washington Monument
Daisy in Deering – Utility Manager
“The laws of math also apply in Alaska”
- Pilar Vortex 2014
Rural AK Utility Study Site Research
GZ – Ft Yukon (8 miles above the Arctic Circle)
Off to Central
DOE’s Arctic Executive
From the Halls of DC to the Shores of the Kuskokwim
George Guy – an AK Sparkplug
737 Combi in Bethel, first week on the job
Last Train to Nowhere
Always gov’t fine print
From Fairbanks originally
My inspiration
Twins
www.CCHRC.org  check it out
Off to work
Braided Stream
AK Marine Highway
Permafrost Tunnel
Permafrost
A Shy $250 for a small bed roll
Honey bucket in a plumbed home
AK has days without snow
Red Dog
Should be here – his dogsled had a flat
Innovation in the Arctic
Essential Partners and Arctic Leaders
DOE – IE, always on call
The Bob and Ken Show, tune in on FM 90.1
AK’s newest hydro project
Best job in the world
More Arctic Innovation
Matt’s hunting rig