

DOE OFFICE OF INDIAN ENERGY

NSAR Ten Year Renewable Energy Plan - Integration Planning

September 2015





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



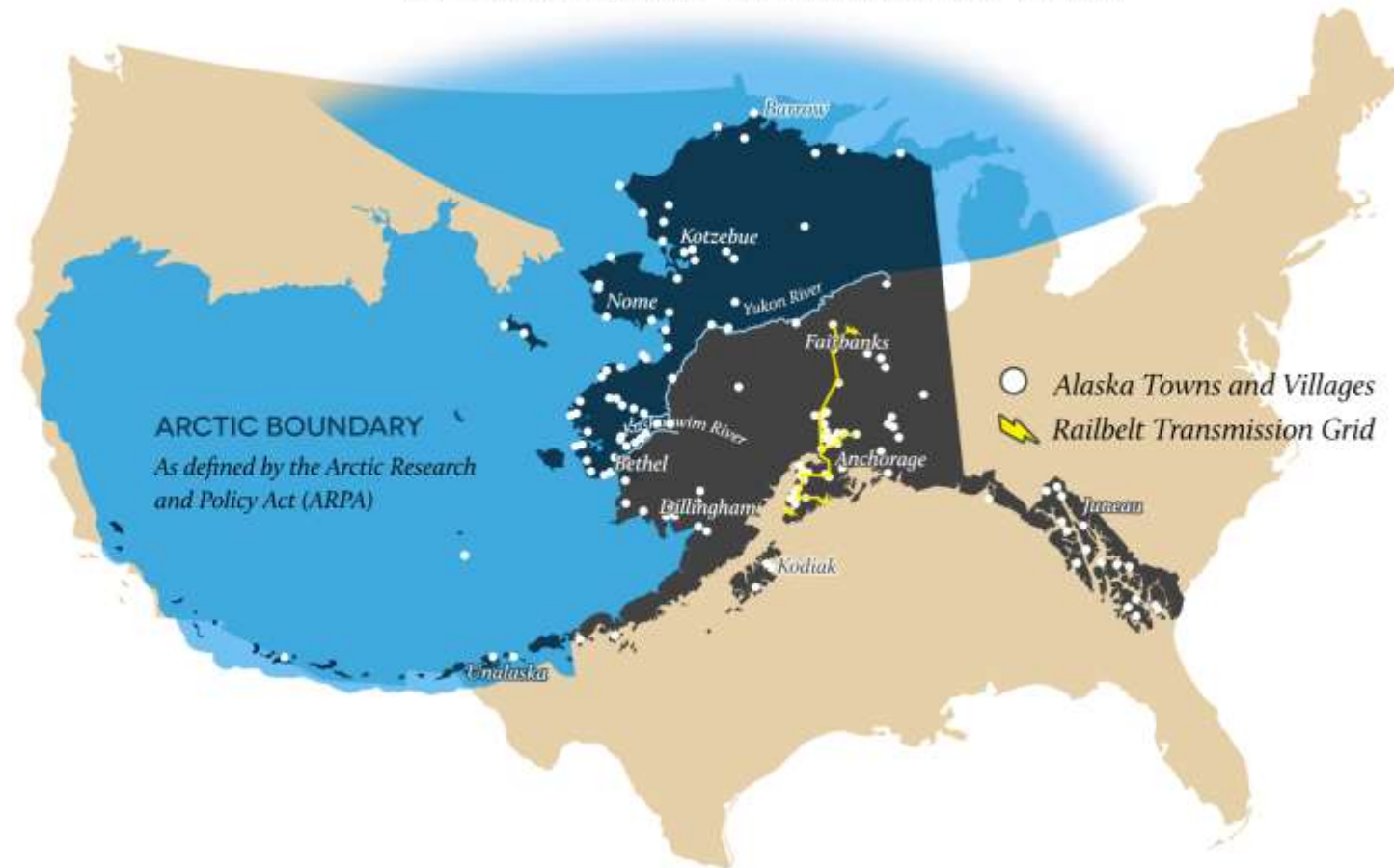


DOE IE and NREL at work as we speak in the Arctic

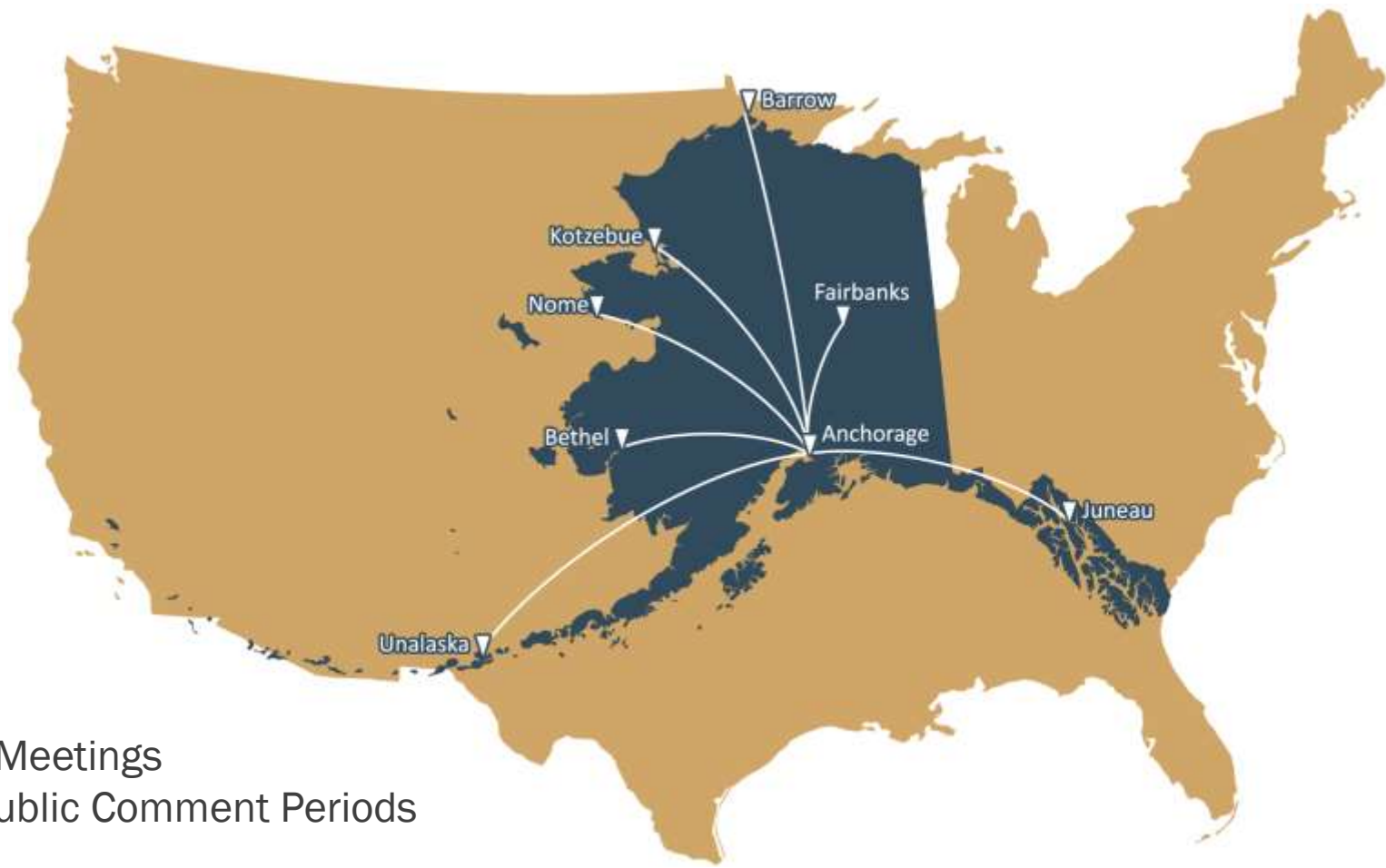


Arctic Communities

MICROGRID COMMUNITIES



Stakeholder Outreach and Consultation Meetings



35 Meetings

2 Public Comment Periods



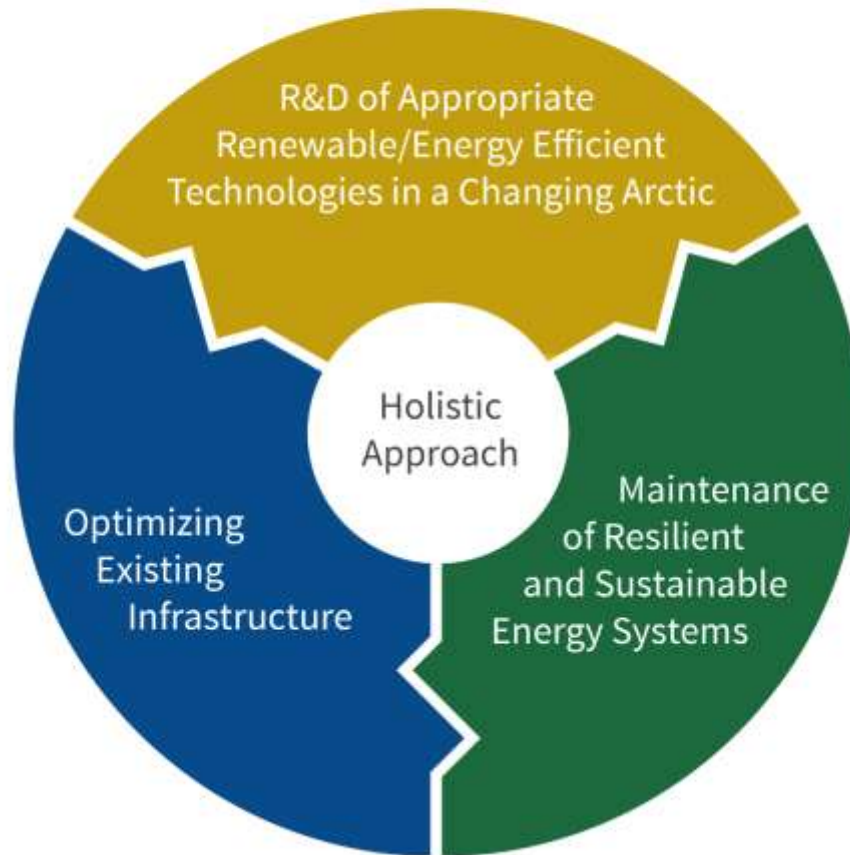
Community Input

- 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





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.

[READ MORE](#)



PROGRAMS & INITIATIVES

- [Alaska Native Villages](#)
- [Indian Country Working Group](#)
- [National Strategy for the Arctic Region](#)
- [Tribal Energy Program](#)

TECHNICAL & FINANCIAL ASSISTANCE

- [Apply for Technical Assistance](#)
- [Federal Energy Development Assistance Tool](#)
- [START Program](#)
- [Upcoming Opportunities](#)

SEPTEMBER 17, 2015

[USDA Helps Reduce High
Tribal Lands](#)

SEPTEMBER 11, 2015

[2015 Tribal Energy Summit
Solutions to Energy and](#)

[More News](#)

BLOG

SEPTEMBER 16, 2015

[Running the Race for Climate](#)

SEPTEMBER 16, 2015

[Montana Tribes Realize
Acquiring Kerr Dam: In
Keepers Inc. CEO Brian](#)

[More from the Blog](#)

UPCOMING EVENTS

[NAU/ITEP Native American
Management Online Training](#)

September 14, 2015 to October 1, 2015

[Tribal Energy Summit:
Sovereignty](#)

September 23, 2015 to September 24, 2015

[More Events](#)

SUBSCRIBE



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

SUITE 200 SIMON & SEAFORT'S

**SUITE 300 U.S. SMALL BUSINESS
ADMINISTRATION**

**SUITE 305 U.S. DEPARTMENT OF ENERGY
ARCTIC ENERGY OFFICE**





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



Sweet Caroline



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



Arctic Region

