



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Update on Implementation of Alaska Arctic Policy Commission Recommendations 3B, 3C, and 3D

Joint Meeting of the House Committee on Economic Development,
Tourism, and Arctic Policy and the Senate Committee on the Arctic
October 2, 2015

Commissioner Chris Hladick

Alaska Department of Commerce, Community, and Economic
Development



Recommendation 3B

Reduce power and heating costs in rural Alaskan Arctic communities



Implementation of 3B – Current Efforts

Collaboration between ACEP, AEA, and AVEC resulted Microgrid Statement of Needs.

Build on our integration successes - new technology goals:

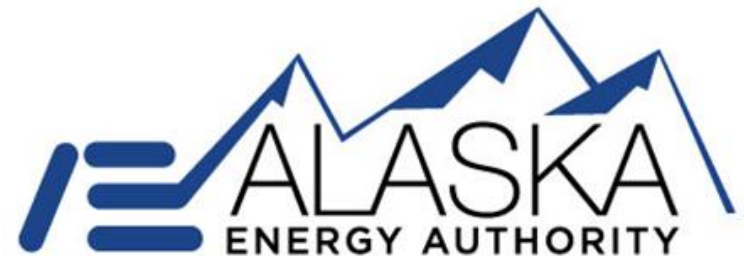
- Fuel sipping by more efficient diesel operation
- Improved power reliability
- Deployment of larger more cost effective renewable assets
- Effective control of interruptible loads
- “Diesels off” – an ultimate goal

Grid Bridging System comprised of:

- Power Bridge System – includes short-term energy storage
- Distributed Control System - ensures the system components work together



ACEP
Alaska Center for Energy and Power





Implementation of 3B – Future Considerations

- Administrative Order 272 - On January 16, 2015, Governor Walker directed the Commissioner of DCCED to take the lead in *“facilitating collaboration and coordination among governmental and other entities involved with consumer energy”*
- Alaska Affordable Energy Strategy (SB 138)– AEA was tasked with planning and making recommendations to the Legislature on infrastructure needed to deliver affordable energy to areas in the state that do not have direct access to a North Slope natural gas pipeline by January 1, 2017



Recommendation 3C

Support long-term strategic planning efforts that utilize past achievements, leverage existing methods and strengthen local planning that assesses and directs economic, community and infrastructure development, as well as environmental protection and human safety.



Implementation of 3C – Current Efforts

Alaska Community Coastal
Protection Project:
Map of current communities





Implementation of 3C – Current Efforts

- Strong Community Leadership
 - Funding and technical support for full-time Community Coordinator ensures the planning effort is locally driven
- Agency Support and Collaboration
 - Organization of interagency working groups (state/federal agencies and regional organizations) provides coordinated assistance to community to identify and achieve solutions and approaches
- Effective Long-Term Planning
 - Planning team works with community and inter-agency working group to develop a long term strategic management plan to accomplish the community's recommended actions



Implementation of 3C – Future Considerations

- Plans for future implementation:
 - Strategic Management Plans seen as effective process for increasing community resilience
 - Model can be applied to other imperiled communities
 - No funding for additional funding efforts has been identified
- Suggestions for legislative action:
 - Alaska Arctic Policy Commission's Implementation Plan recommends funding to support future DCRA planning efforts.
- Ideas for making greatest use of limited funding:
 - Continue to pursue federal/other funding opportunities as they become available.



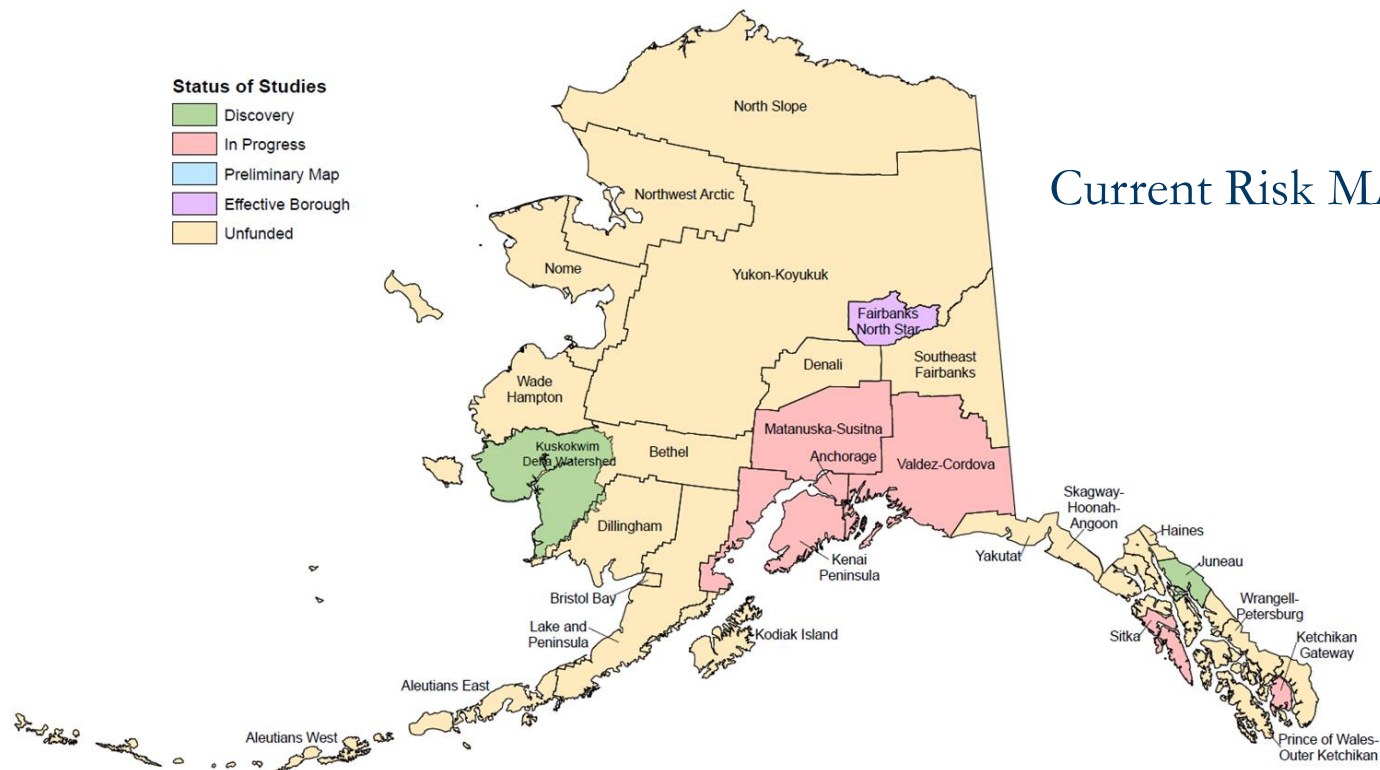
Recommendation 3D

Anticipate, evaluate and respond to risks from climate change related to land erosion and deterioration of community infrastructure and services; and support community efforts to adapt and relocate when necessary.



Implementation of 3D – Current Efforts

The Alaska Risk Mapping, Assessment, and Planning (Risk MAP) program is funded by FEMA and implemented by DCRA.



Current Risk MAP Studies

*City and Borough of Juneau, City of Seward,
and Homer Spit Effective DFIRM



Implementation of 3D – Current Efforts

The Alaska Climate Change Impact Mitigation Program is implemented through technical assistance and two funding sources, Hazard Impact Assessments, and Community Adaptation Planning Grants.

Hazard Impact
Assessment Grants

Adaptation
Planning Grants

Elim
Nightmute
Atm autluak
Kipnuk
Quinhagak
Nelson Lagoon

Kivalina
Shishmaref
Unalakleet
Koyukuk
Shaktolik
Newtok



Implementation of 3D – Future Considerations

- FEMA's risk MAP funding does not require match dollars, this is a program we can grow without increasing allocation of State dollars
- The Alaska Climate Change Impact Mitigation Program is a strong model, but hasn't received new funding since 2011. The Denali Commission has been tasked with identifying a designated funding stream responsive to climate change impacts requiring community relocation
- Continue to pursue federal and alternative funding opportunities as they become available



Closing Remarks

Questions?

Commissioner Chris Hladick

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