State of Alaska Climate Actions by Department

This Early Actions Plan includes a number of measures recommended by the Climate Cabinet, built upon recommendations from the Climate Action Leadership Team. They represent a range of new and expanded efforts to demonstrate the state's commitment to responsibly meeting the challenges and opportunities presented while:

- Being mindful of the state's fiscal situation;
- Avoiding further burdening Alaskans already experiencing high energy costs;
- Protecting the health and welfare of all Alaskans; and
- Supporting responsible resource development and economic growth in the state.

These early actions will:

- Lower energy costs for state government while reducing carbon emissions.
- Facilitate the state's transition to a more energy efficient and less carbon-intensive economy.
- Identify and address immediate and longer-term risks to village communities from erosion, flooding and permafrost degradation.
- Identify potential impacts to Alaska fisheries from climate change and ocean acidification and facilitate adaptation planning.

This chart shows specific actions by state agency or entity to accomplish those goals.

Agency	Goal	Action
Dept. of Transportation	Lower energy costs for state government while reducing carbon emissions.	Expand the current State Energy Program to include state-owned buildings of 5,000 square feet and larger, in addition to those 10,000 square feet and larger. Enter into $50 million worth of Energy Savings Performance Contracts to retrofit 25% of those state-owned buildings by 2025, starting with the least efficient.
		Continue implementation of anti-idling guidance, encourage state use of hybrid and electric vehicles, and conduct an alternative fuel study for the state vehicle fleet.
		Work with other state agencies to develop efficiency, cost effectiveness, and climate change consideration guidelines for design, engineering, and construction of state buildings.
		Examine engineering, regulatory feasibility, and potential cost-savings of using LNG to power state ferries. Examine options for transporting LNG to coastal communities.
	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation	For Kivalina, advance the construction of the Evacuation/ School Road in partnership with the Federal Highway Administration, Native Village of Kivalina, the City of Kivalina, NANA, and the Northwest Arctic Borough.
		To assist Shishmaref, advance the development of Ear Mountain Road by supporting efforts to reach agreement with the National Park Service for right-of-way access, and by allowing the road to be included in the Statewide Transportation Improvement Program.
		Assist Shaktoolik in identifying revenue sources for matching funds for a protective berm and evacuation road.
		Assist DNR in building out GIS-based mapping of at-risk communitites with the location of roads and infrastructure.
Dept. of Commerce, Community, and Economic Development	Facilitate the state's transition to a more energy efficient and less carbon intensive economy.	Prioritize developing a framework for the establishment of a green bank in Alaska.

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	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Assist Newtok in the development of a move-in plan for Metarvik that addresses transportation, food security, operation and maintenance of new systems, temporary health care and educational facilities, etc.
		Through the Division of Community and Regional affairs, support more in-depth hazard assessment through the FEMA funded Risk Mapping and Assessment and Planning Program (RiskMAP).
Alaska Energy Authority	Facilitate the state's transition to a more energy efficient and less carbon intensive economy.	Develop a collaborative proposal for funding from the Zero Emissions Vehicle portion of the $300 million VW settlement fund for electric vehicle infrastructure and education.
		Work with DOT to develop efficiency, cost effectiveness, and climate change considerations guidelines for design, engineering, and construction of state buildings.
		Chair an expert panel to develop specific recommendations for making cost-effective, achievable greenhouse gas reductions from electrical power generation, particularly in the Railbelt.
		Assist DCCED in developing a framework for the establishment of a Green Bank in Alaska.
	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Assist DNR in building out GIS-based mapping of at-risk communities with the location of power generation, transmission, and distribution infrastructure.
Dept. of Environmental Conservation	Facilitate the state's transition to a more energy efficient and less carbon intense economy.	Develop a voluntary reporting program to further develop and refine the Alaska Greenhouse Gas Emissions Inventory, and distribute outreach materials to better inform Alaskans on the sources and trends of greenhouse gas emissions in the state.
	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation	Assist DNR in building out GIS-based mapping of at-risk communitites with the location of water and sewer infrastructure.

Agency	Goal	Action
Climate Cabinet	Facilitate the state's transition to a more energy efficient and less carbon intense economy.	Work with stakeholders including the public, expert panels, industry representatives, tribes, and state agencies to develop proposed targets and deadlines for reductions in greenhouse gas emissions.
		In consultation with AEA, recommend goals for power produced through renewable energy statewide, and include potential measures for establishing stable grant funding for early-stage project development.
		State agencies will assist as appropriate to support the option of an optimized, interconnected electrical system in the Railbelt, including economic dispatch of generation by an independent entity.
	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Draft recommendations for a policy to guide state agencies working with local, tribal, and federal governments to address short- and long-term needs of threatened rural communities, submitting recommendations no later than by Oct 1, 2019.
Climate Adaptation Interagency Working Group	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Form a working group that includes representatives from DCCED, AEA, DCRA, DEC, ADF&G, DMVA, DNR, DOT/PF, University of Alaska, and federal agencies including the Denali Commission to facilitiate inter-governmental cooperation to ensure timely assistance for threatened rural communitites, including GIS-based mapping and risk assesment, community planning, local emergency response, funding sources for response, and other assessments and anlayses to enhance the sustainability of affected communitites.
Dept. of Natural Resources	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Develop community-specific assessments to support community planning, protection, and relocation decisions through coordinated GIS-based mapping.
Office of the Governor	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Work with the Alaska Congressional Delegation to secure federal funds to assist threatened Alaska communities, including an update of U.S. General Accountability Office report 09-551 detailing flooding and erosion threats to villages.

Agency	Goal	Action
		Work to highlight the importance of the Risk Mapping and Assessment and Planning Program (RiskMAP) to Alaska, and increased funding needs, to the Federal Emergency Management Agency (FEMA).
		Attempt to secure capital funds and facilitate projects to meet the most immediate needs of Newtok, Shishmaref, Kivalina, and Shaktoolik with support from state agencies.
Dept. of Military and Veterans Affairs	Identify and address immediate and longer-term risks to village communities from to erosion, flooding and permafrost degradation.	Research existing federal programs that might provide a source of funding, including the BIA Tribal Resilience Program and USDA Office of Rural Development.
		Help integrate the Denali Commission's enhanced Threat Assessment to other community plans, like Local Emergency Response plans.
Dept. of Fish and Game	Identify potential impacts to Alaska fisheries from climate change and ocean acidification and facilitate adaptation planning.	Develop a cooperative analysis to help identify variables affecting Alaska marine and freshwater fish production, to assess knowledge gaps, define insufficient or at-risk resources and infrastructure, and identify other impediments to management and the healthy development of fisheries.