

A banner image featuring a landscape of rugged mountains. In the foreground, there are brown, rocky hills. In the background, a large, snow-capped mountain peak rises against a clear blue sky. The text "Alaska Climate Change Strategy" is overlaid in a dark, serif font. A small tree branch is visible on the right side.

Alaska Climate Change Strategy

Photo: J. Hurdsey

Alaska Climate Mitigation Advisory Group of the Governor's Climate Change Sub-Cabinet

Meeting #1
May 15, 2008
Anchorage, Alaska

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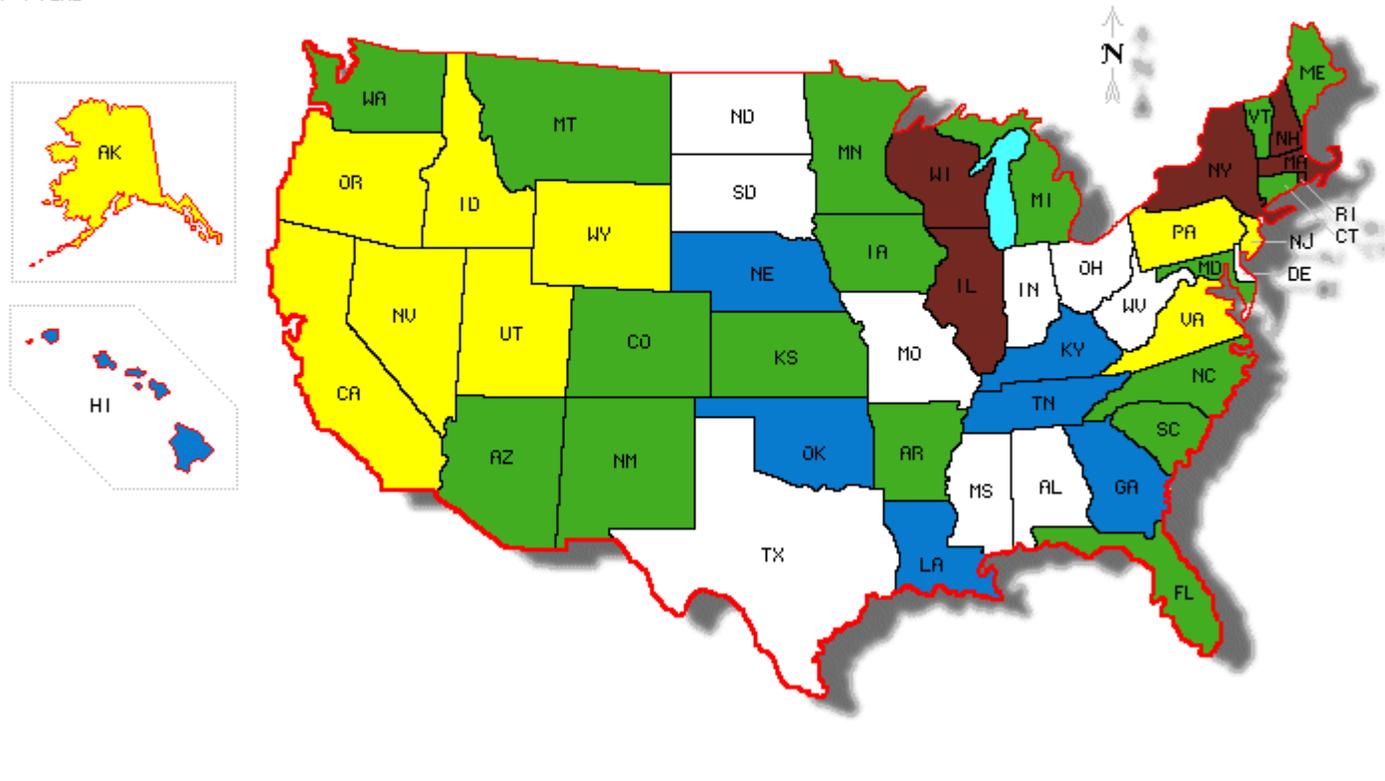
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Who is the Center for Climate Strategies?

- Non-profit focused on helping states develop comprehensive, stakeholder-driven climate action policies and plans.
- Typically work with senior state officials
 - Governors' offices, Commissioners, Cabinets
- Multiple areas of technical and policy expertise:
 - Process design, formation, management & facilitation, decision support, conflict resolution & consensus building, technical analysis, and capacity building.
 - Multiple skills and tools for identifying & evaluating policy options
- Virtual organization with ~50 expert partners
- Unparalleled expertise with work in more than 25 states

Where Has CCS Been Active?

- - Comprehensive Plans
- - Partial Plans
- - Initial Contact
- - Other Plans



Who is Information Insights?

- One of Alaska's leading economic and public policy consulting firms
- Clients span Alaska public and private sectors
 - State & municipal governments
 - Wide array of businesses (e.g., transportation, oil and gas)
 - Alaska Native non-profit and for-profit organizations
 - State and local non-profits
 - Educational institutions
- Specialize in:
 - Strategic planning and public process facilitation
 - Research, analysis and planning studies
 - System change
 - Program administration and evaluation
- Apply creativity and vision to tailor solutions for clients

State Climate Planning Process: Overview

- Comprehensive
- Stepwise
- Fact-based
- Self-determined
- Consensus-driven
- Informal
- Nonbinding
- Transparent
- Inclusive
- Flexible



Process Design & Development

- Prepare
 - Develop reference case *GHG Inventory & Forecast*
 - Identify “catalogs” of potential policy options by sector
 - Start identifying policies & programs already in place in Alaska
 - Secure cost-share funding
- Design
 - Select team & partners; structure responsibilities & coordination
 - Help ADEC identify stakeholder participants
 - Help ADEC identify sector-based Technical Work Groups (acting as subcommittees)
- Launch Stakeholder Process
 - Climate Change Mitigation Advisory Group process

Stepwise Planning Process

1. Develop/revise inventory and forecast of GHG emissions
2. Identify a full range of possible actions (“catalogs”) and programs already in place
3. Identify initial priorities for analysis
4. Develop straw proposals
5. Evaluate and quantify to the extent possible costs and benefits (e.g., GHG reductions, costs or savings, etc.)
6. Evaluate feasibility issues; associated issues
7. Develop alternatives if needed to enhance consensus
8. Aggregate results
9. Iterate to final agreement
10. Finalize and report recommendations

Process Design & Development

- Conduct
 - Stepwise process; iterate to consensus
 - All transparent, with public involvement at each stage
- Conclude
 - Determine consensus levels of priority policy options
 - Draft final reports and recommendations for the Sub-Cabinet

Overarching Outcomes of the CCS/II Stakeholder-Based Planning Process

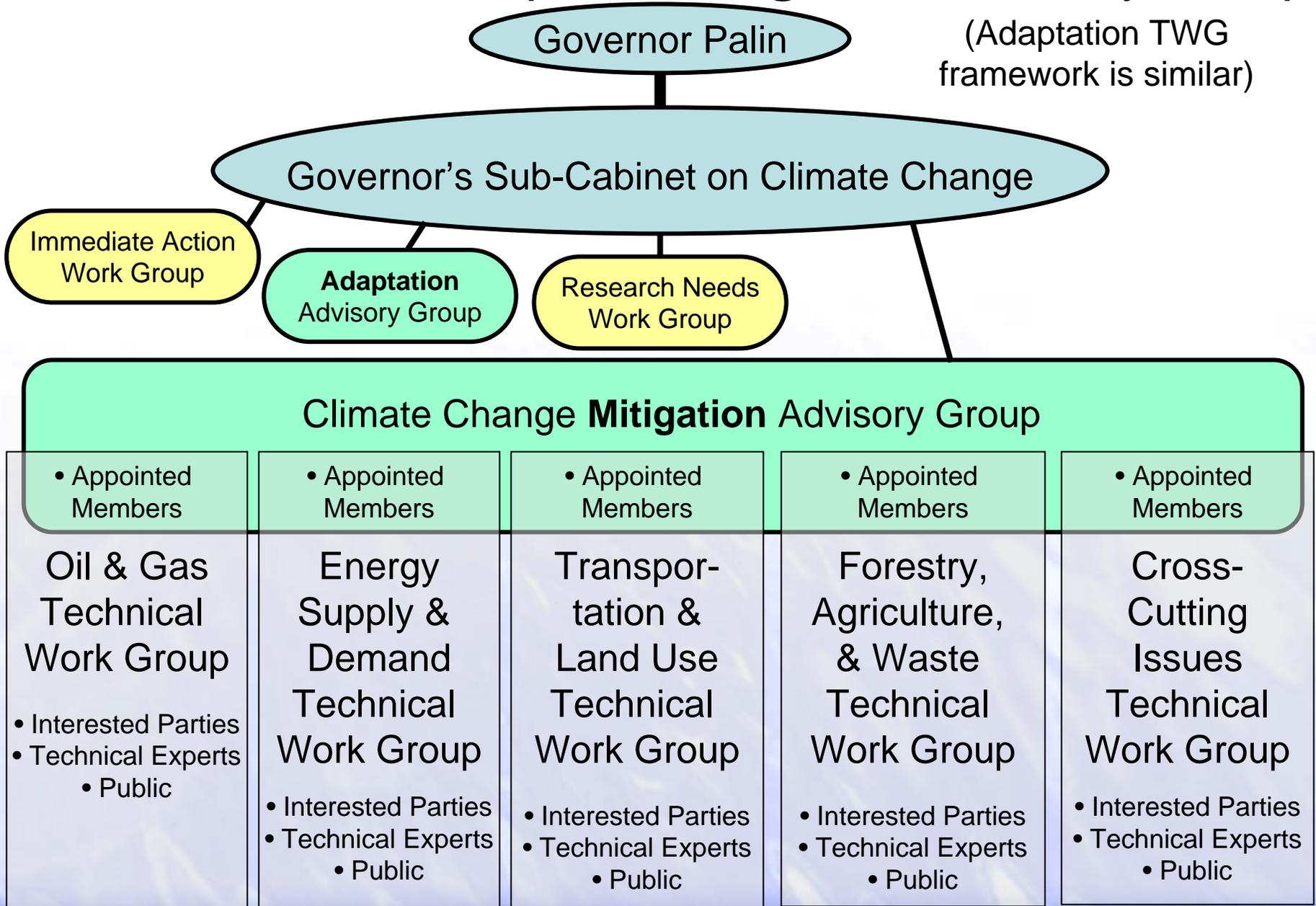
- Policy recommendations to the CCSC that are tailored *for* Alaska *by* Alaskans
- Comprehensive, multi-sector results
- Quantified results – to the extent possible
- Groundwork for implementation
- No surprises
- Broad consensus
- Relationships built

Overview of Roles and Responsibilities

- Climate Change Sub-Cabinet (CCSC) convened by Governor Palin
- DEC oversees and coordinates process on behalf of the CCSC
- CCMAG makes recommendations to CCSC
- Technical Work Groups (TWGs) assist in developing CCMAG recommendations
- Public input and review for stakeholders
- CCS & II provide facilitation, technical assistance, and prepare final report to CCSC

Technical Work Groups for **Mitigation** Advisory Group

(Adaptation TWG framework is similar)



Technical Work Groups

- Oil and Gas
 - Exploration, production and refining / processing
- Energy Supply and Demand
 - Clean and renewable energy, combined heat & power, etc.
 - Energy efficiency and conservation, industrial processes, water supply and treatment, etc.
- Transportation & Land Use
 - Vehicle efficiency, alternative fuels and demand-reduction programs
- Forestry, Agriculture, and Waste Management
 - Forest management, forest restoration, land protection, bioenergy, wood products, waste reduction, recycling
- Cross-Cutting Issues
 - Reporting, registries, public education, goals

Technical Work Group Roles

- Assist CCMAG:
 - Review and improve the state GHG inventory and forecast
 - Identify potential state actions for catalog
 - Identify potential priorities for analysis
 - Suggest straw policy designs
 - Assist with analysis and review of options
 - Assist with development of alternatives
 - Assist with input to and review of CCMAG report

Coverage of Issues



- All GHGs
- All sectors
- State and multi-state actions
- Short- and long-term actions
- Co-benefits

Multiple Implementation Methods

- Voluntary Agreements
- Technical Assistance
- Financial Incentives
- Targeted Spending
- Codes and Standards
- Market-Based Approaches
- Pilots and Demos
- Information and Education
- Research and Development
- Reporting and Disclosure

Sectors x Mechanisms = A “Portfolio” of Policy Options (Mitigation)

	Codes & Standards	Market Mechanisms	Funding Mechanisms	Voluntary Agreements	Technical & Financial Assistance	Information & Education	Pilots & Demo Projects	Reporting & Disclosure
Oil & Gas								
Energy Supply								
Residential, Commercial, & Industrial								
Transportation & Land Use								
Forestry, Ag & Waste Management								
Cross-Cutting Issues (Education, Registries, etc.)								

Catalog of States' Actions

- Over 300 actions taken by U.S. states
- Existing, planned, and proposed state-level actions
- Wide variety of U.S. states
- All sectors & GHGs
- Wide variety of implementation mechanisms
- Will include key Alaska actions
- CCMAG will add new potential actions
- Starting place for identification of CCMAG priorities

Policy Design Proposals

- CCMAG identifies about 50 draft potential options for further development
- TWGs screen, prioritize, and propose initial policy option design (“straw proposals”)
 - Goals
 - Coverage / Parties
 - Timing
 - Implementation Mechanism
- CCS team quantifies and presents for review and modification, if necessary
- CCMAG revisits list of potential priorities, as needed

Decision Criteria

- GHG Reduction Potential (MMTCO₂e)
- Cost or Cost Saved per Ton of GHG Removed
- Energy, Commerce, Other Co-benefits
- Feasibility Issues

Policy Option Template

- Policy Description (Concept)
- Policy Design (Goals, Timing, Coverage)
- Implementation Methods
- Related Programs and Policies (BAU)
- Estimated GHG Savings and Costs Per MMTCO₂e
 - Data sources, methods, and assumptions
 - Key uncertainties
- Additional (non-GHG) Benefits and Costs, as Needed
- Feasibility Issues, if Needed
- Status of Group Approval
- Level of Group Support
- Barriers to Consensus, if Any

Transparency



- “Show Your Work”
 - Policy Design
 - Timing
 - Levels
 - Parties Involved
 - Implementation Methods
 - Evaluation Approach
 - Data sources
 - Methods
 - Assumptions

Categories of Action

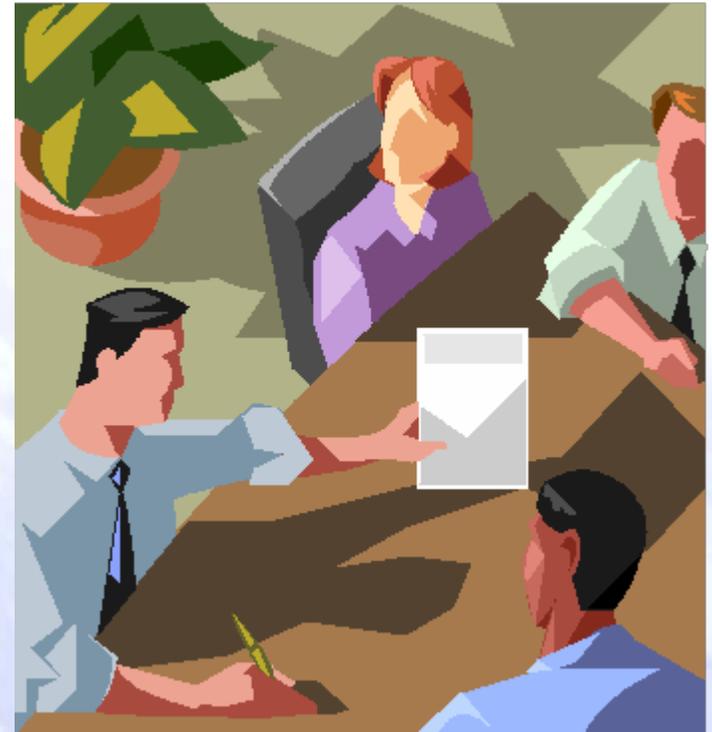
- Energy efficiency and conservation
- Clean and renewable energy
- Transportation and land-use efficiency
- Forest and agriculture conservation
- Waste management
- Industrial process improvements

Examples of Possible Mitigation Policy Recommendations

- Energy-Efficient Building Codes
- Enhanced Appliance Standards
- Demand-Side Management; Rate Design
- Renewable Energy Incentives
- Remove Barriers to Combined Heat and Power (CHP)
- Reduce Venting/Flaring in Oil & Gas Operations (CH₄)
- Clean Car Standards; Low Rolling-Resistance Tires
- Biomass and Biofuels Incentives
- Enhanced Solid Waste Recovery & Recycling
- Green Technology Incubator / Clearinghouse
- Climate Courses in Professional Licensing Programs

Final Report

- Executive Summary
- Background, Purpose, & Goals
- Alaska GHG Emissions Inventory & Forecast
- CCMAG Recommendations and Results
 - Oil & Gas
 - Energy Supply & Demand
 - Transportation and Land Use
 - Agriculture, Forestry, and Waste Management
 - Cross-Cutting Issues
- Appendices



Overarching Outcomes of the CCS/II Stakeholder-Based Planning Process

- Policy recommendations tailored for Alaska by Alaskans
- Comprehensive, multi-sector results
- Broad consensus
- Quantified results – to the extent possible
- Groundwork for implementation
- No surprises
- Recommendations to CCSC
- Relationships built

Sampling of State Mitigation Plan Results

State	End Date	Policy Options	Degree of Unanimity	Amount of GHG Reductions	Overall NPV Cost or Savings	Jobs Impact
AZ	2006	49	92%	<ul style="list-style-type: none"> • 2000 level by 2020 • Half 2000 level by 2040 	\$5.5 billion savings 2007-2020	285,000
CA	2008	n/a	n/a	<ul style="list-style-type: none"> • AB-32: 1990 level by 2020 	AB-32 \$4 billion savings	AB-32 83,000
CO	2007	70	87%	<ul style="list-style-type: none"> • 37% below projected emissions by 2020 	~\$3 billion savings 2007-2020	Not assessed
CT	2005	55	High	<ul style="list-style-type: none"> • 1990 level by 2010 • 10% below 1990 level by 2020 	Net Savings	Not assessed
ME	2004	54	High	<ul style="list-style-type: none"> • 1990 level by 2010 • 10% below 1990 level by 2020 	Net Savings	Not assessed
MT	2007	54	98%	<ul style="list-style-type: none"> • 1990 level by 2020 	\$78 million savings 2007-2020	Not assessed
NC	2007	56	85%	<ul style="list-style-type: none"> • 47% below projected emissions by 2020 	\$7.5 billion savings 2007-2020	44,500
NM	2006	69	97%	<ul style="list-style-type: none"> • 2000 level by 2012 • 10% below 2000 level by 2020 	\$2.2 billion savings 2007-2020	Not assessed
VT	2007	37	86%	<ul style="list-style-type: none"> • 25% below 1990 level by 2012 • 50% below 1990 level by 2028 	\$1.3 billion savings 2007-2028	Not assessed

Break



Ground Rules

- Support the process
- Meeting attendance is important
- All on equal footing
- Make objective and timely contributions
- Stay current with information
- No backsliding
- No member represents the CCSC

Prospective Timetable: Climate Change Mitigation Advisory Group

Date	Action
May 15, 2008	1 st Meeting: Launch Process; Review Inventory
July 15, 2008	2 nd Meeting: Catalog of Potential Policy Options
September 22, 2008	3 rd Meeting: Select Priority Policy Options
November 6, 2008	4 th Meeting: Approve Straw Proposals
February 5, 2009	5 th Meeting: Initial Quantification of Options
March 4, 2009 (tent.)	6 th Meeting: Approve Recommended Options
April 29, 2009 (tent.)	7 th Meeting (if needed)
Following Conclusion	Final Report to Sub-Cabinet
Between Meetings	Regular TWG teleconference meetings and possible face-to-face meetings

Next Steps for CCMAG and Technical Work Groups

- Refine GHG inventory and forecast for Alaska
- Develop catalogs of potential state actions, by sector
- 2 TWG teleconference meetings between now and July meeting
- In July, CCMAG signs off on catalogs
- Begin discussion about priority policy options for further analysis

Next CCMAG Meeting

- Agenda

- Review catalog of potential state actions
- Review Alaska GHG Emissions Inventory and Forecast
- Begin discussion of initial priority policy options for analysis

- Date and Location

- Tuesday, July 15, 2008
- Fairbanks, Alaska



Public Input

Announcements



The Center for Climate Strategies

Helping States and the Nation Tackle Climate Change



Information Insights

vision + creativity = solutions

*Thank you
for your time
and attention!*

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