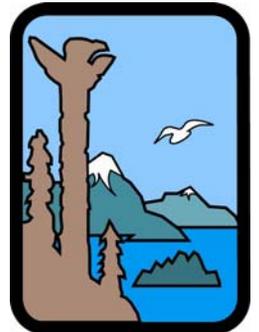


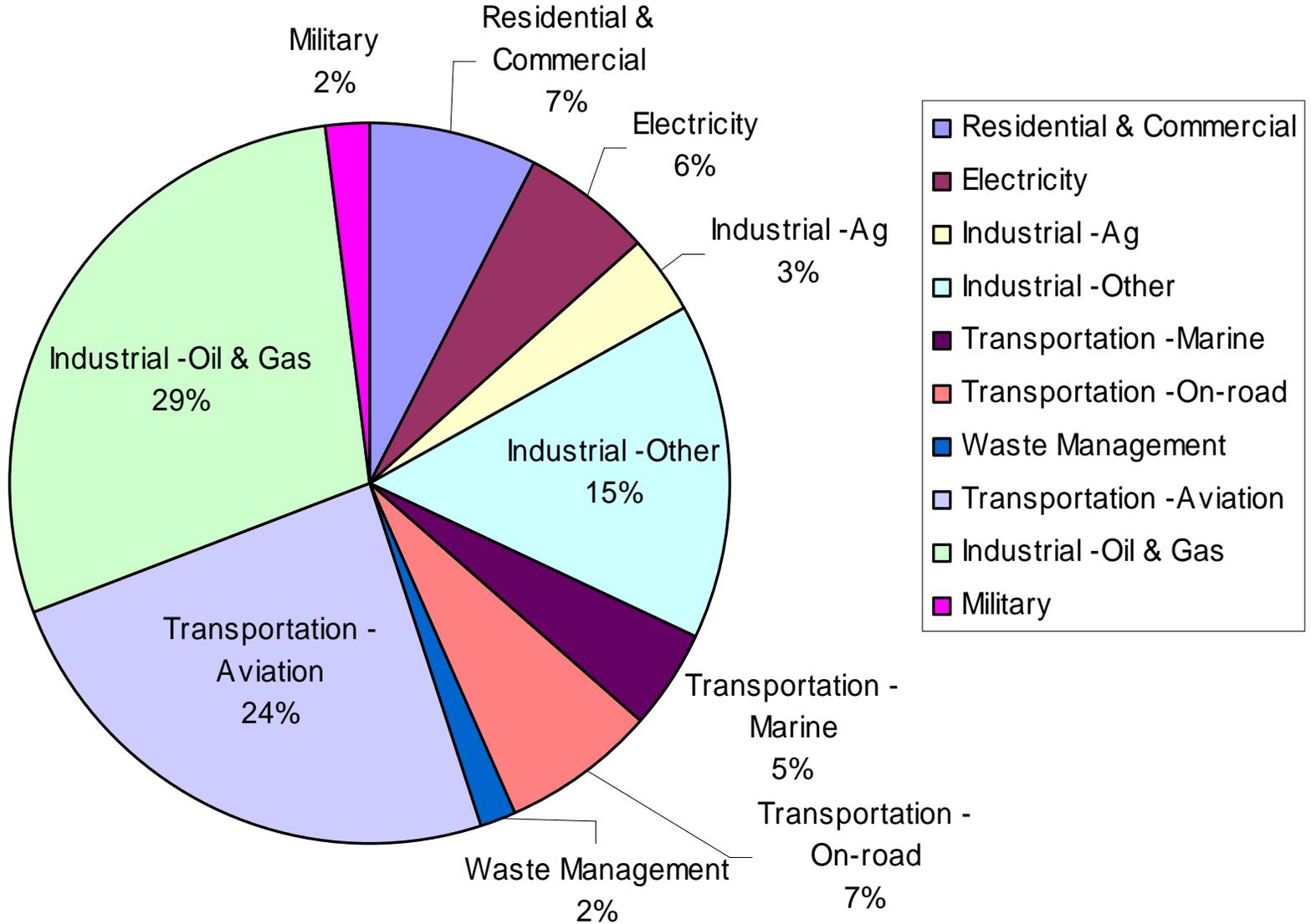
Update Report on Greenhouse Gas Emissions

Governor's Climate Change Sub-Cabinet Meeting
February 13, 2008

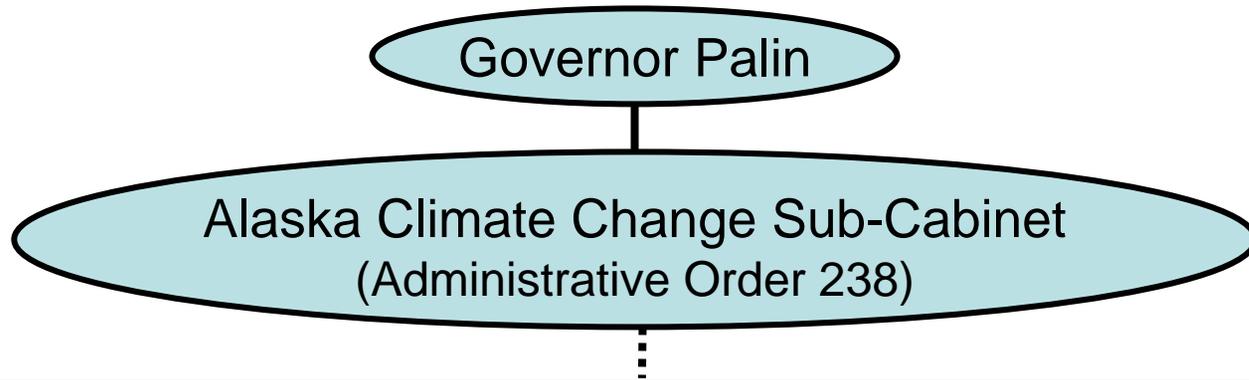
Tom Chapple, Director
Division of Air Quality
Department of Environmental Conservation



Percent Contribution of Greenhouse Gases



Climate Change Sub-Cabinet



Goals of a strategy:

- a. **Build State's knowledge of actual and foreseeable climate effects;**
- b. **Develop appropriate policies to prepare for impacts;**
- c. **Assess opportunities to reduce emissions, consider benefits of participating in regional or national efforts.**

Strategy: Tasks for Adapting to Climate Change

- Policies and measures to reduce likelihood or magnitude of damage to infrastructure -Admin Order # 5;
- Policies and measures addressing foreseeable changes to marine environment; the quantity, quality, and location of fish and game; productivity of forest and Ag lands – Admin Order #6;
- Risks from new or more severe diseases and pests – Admin Order #7;
- Identify economic opportunities emerging from global response to a changing climate –Admin Order #14

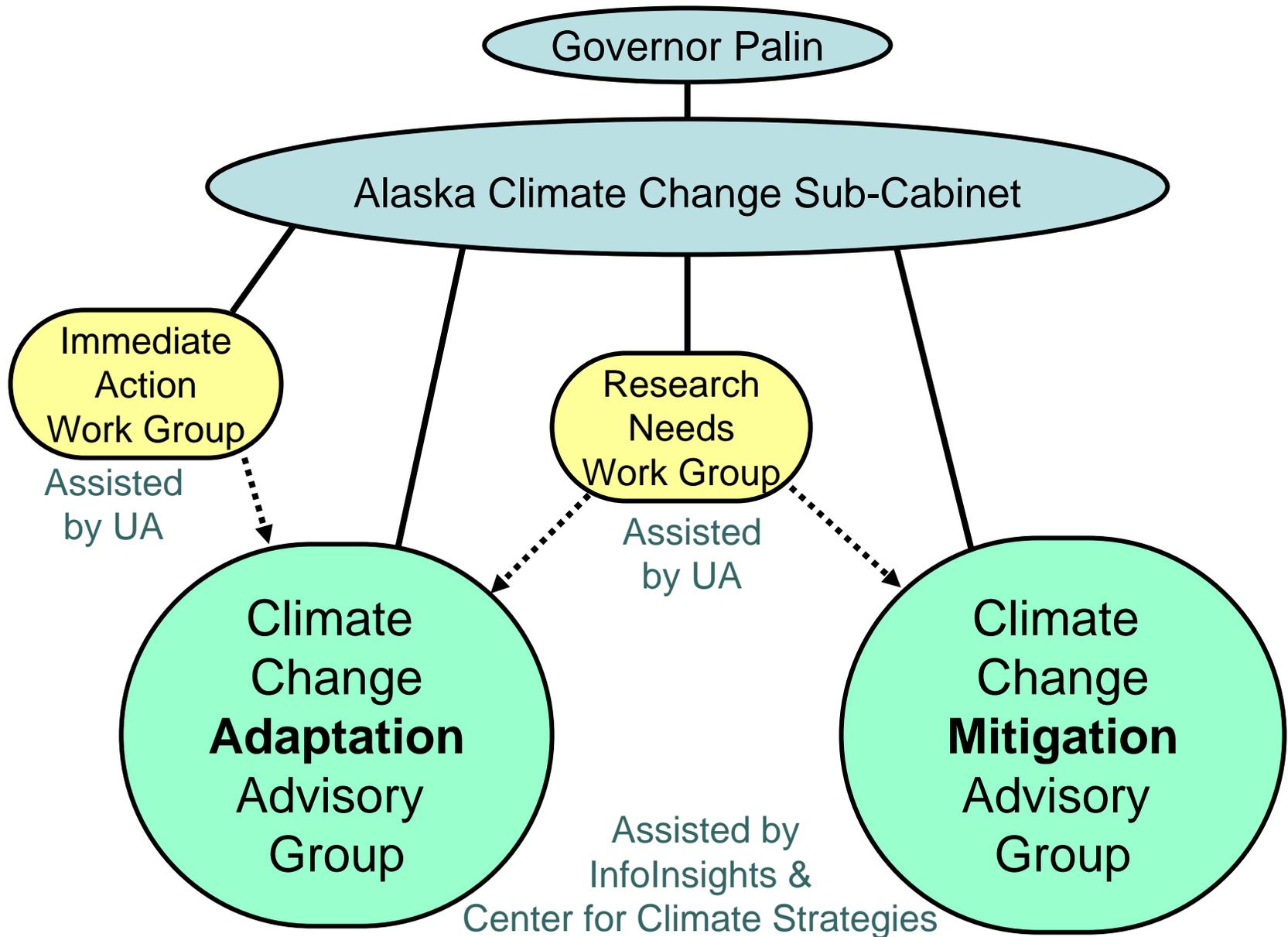
Strategy: Tasks to Help Mitigate the Causes

- Identify potential benefits of participating in regional, national or international climate policy agreements, #9;
- Identify opportunities to reduce GHG emissions via alternative fuels, energy efficiency, conservation, and renewable energy sources, transportation sources or land use, # 10;
- Opportunities to reduce GHG emissions from State gov't operations, #12;
- Identify opportunities in carbon trading markets, carbon sequestration, #13;
- Identify economic opportunities emerging from global response to a changing climate, #14

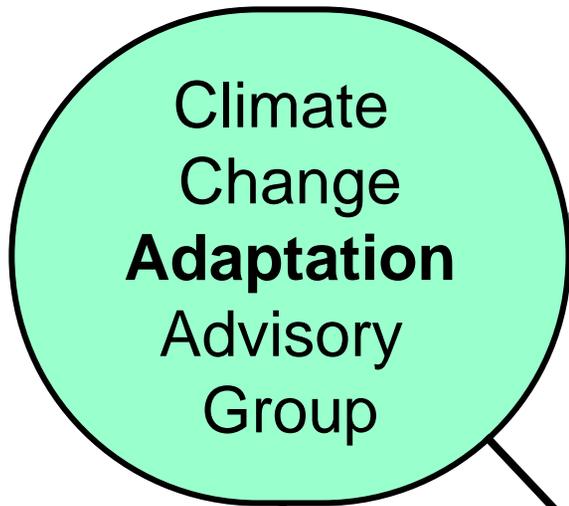
Roles & Responsibilities

- Sub-Cabinet to prepare Alaska's Strategy for the Governor
- Stakeholder Advisory Groups provide recommendations to the Sub-Cabinet
 - Immediate Action Group for high threats to life & infrastructure
 - Adaptation Group for protecting and adapting to foreseeable impacts
 - Mitigation Group to reduce our contribution of emissions
 - Research Needs Group for making wise choices in Adaptation and Mitigation; identifying essential research
- Technical Work Groups advise Adaptation and Mitigation Groups
- Advisory and Technical Groups composed of community, native and business leaders; active citizens; non-governmental organizations; and federal and state and private sector experts.
- Public input into Advisory Groups and TWGs
- Contractors provide evaluative facilitation, technical expertise & final report

Overall Structure of Sub-Cabinet Efforts



Climate Change Adaptation Advisory Group



Climate
Change
Adaptation
Advisory
Group

Broad stakeholder group of 20-25, e.g.,

- Native leader from western or northern AK
- Local government leader
- Coastal infrastructure & transportation experts
- Health expert
- Environmental / conservation leaders
- Wildlife & fisheries experts
- Extraction industry executive
- Seafood, insurance, tourism industry executives
- Forest / Agriculture experts
- University leader
- ...many others

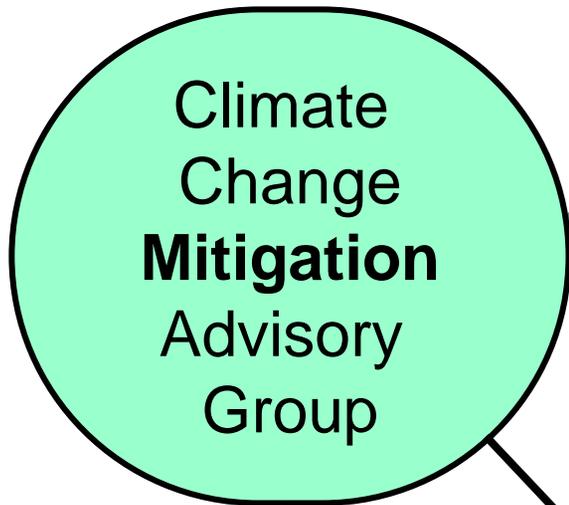
Technical Work Groups (Subcommittees):

- a. To be determined
- b. To be determined
- c. To be determined
- d. To be determined

AO Tasks include:

- 5 - Ways to reduce damage to infrastructure
- 6 - Address marine, game & fish, ag & forests
- 7 - Risks of new/more disease & pests
- 14 - Economic opportunity in climate response
- 15 - Other policies and measures

Climate Change Mitigation Advisory Group



Broad stakeholder group of 20-25, e.g.,

- Utilities exploring alternative/renewable energy
- Energy efficiency expert
- Renewable energy & efficiency advocate
- Renewable energy developer
- Transportation executive (air, freight, etc.)
- Commercial & residential developer/builder
- Oil & gas producer/refiner
- Native timber corporation executive
- Environmental & local government leaders
- Economic development expert
- ...many others

Technical Work Groups (Subcommittees):

- a. Oil and Gas
- b. Energy Supply & Demand
- c. Transportation & Land Use
- d. Agriculture, Forestry, & Waste
- e. Cross-Cutting Issues

AO Tasks include:

- 9 - Regional, national, international actions
- 10 - Ways to reduce Alaska's GHG emissions
- 12 - Ways to reduce State government GHGs
- 13 - Opportunities in carbon trading markets
- 14 - Economic opportunity in climate response
- 15 - Other policies and measures

Expectations of Project Contractors

- University of Alaska (Margaret King)
 - Facilitator for Immediate Actions WorkGroup & Research Needs WorkGroup
- Bipartisan Policy Center / National Commission on Energy Policy
 - Screening analysis to suggest Adaptation Issues
 - Similar work examples
 - See Handout for scope and expertise

Expectations of Project Contractors

- Center for Climate Strategies / Information Insights Team
 - Local Knowledge, Facilitation, Technical Expertise, Economic Assessments on climate change options
 - Supports Adaptation Advisory Group
 - Supports Mitigation Advisory Group