



Climate Change Regulation, Legislation and Litigation: Implications for Alaska

Resource Development Council

Anchorage, Alaska

November 18, 2009

Larry Hartig

Commissioner, Alaska Department of Environmental Conservation
Chair, Alaska Climate Change Sub-Cabinet



Governor's Climate Change Sub-Cabinet

- Established by Governor through Administrative Order 238 on September 14, 2007
 - **IMMEDIATE ACTION WORK GROUP** – Created to address threats to most vulnerable communities
 - **MITIGATION WORK GROUP** – Tasked with identifying options to reduce GHG emissions
 - **ADAPTATION WORK GROUP** – Tasked with identifying options to help adapt to and plan for a warming environment
 - **RESEARCH NEEDS WORK GROUP**

Governor's Climate Change Stakeholder Process

Governor Parnell

Governor's Sub-Cabinet on Climate Change

Immediate Action
Work Group

Research Needs
Work Group

Adaptation Advisory Group

Public
Infrastructure
Technical
Work Group

Health &
Culture
Technical
Work Group

Natural
Systems
Technical
Work Group

Economic
Activities
Technical
Work Group

Mitigation Advisory Group

Oil & Gas
Technical
Work Group

Energy
Supply &
Demand
Technical
Work Group

Transportation,
Land-Use
Technical
Work Group

Forestry,
Agriculture,
& Waste
Technical
Work Group

Cross-
Cutting
Technical
Work Group



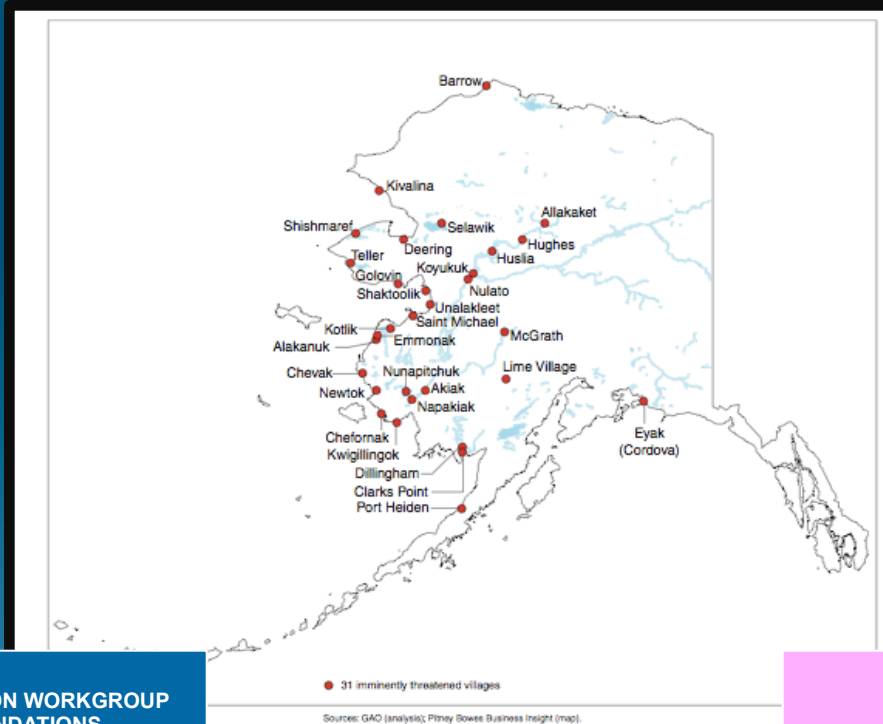
IMMEDIATE ACTION WORK GROUP

- Opportunities for Collaboration & Planning -

RECOMMENDATIONS REPORT TO THE GOVERNOR'S SUBCABINET ON CHANGE CLIMATE



**FINAL REPORT
FROM THE
IMMEDIATE ACTION WORKGROUP
APRIL 17, 2008**



Requesters
**United States Government
Accountability Office**

GAO

June 2009

ALASKA NATIVE VILLAGES
Limited Progress Has Been Made
on Relocating Villages Threatened
by Flooding and Erosion

GAO-09-551

IMMEDIATE ACTION WORKGROUP RECOMMENDATIONS TO THE GOVERNOR'S SUBCABINET ON CLIMATE CHANGE MARCH 2009



GAO Reports ('03 '09)

IAWG Reports ('08 & '09)

Public Infrastructure TWG
('09)

USACE Assessment ('09)

Alaska Baseline Erosion Assessments

[http://www.poa.usace.army.mil/
AKE/Home.html](http://www.poa.usace.army.mil/AKE/Home.html)

**U.S. Army Corps of Engineers
2009**

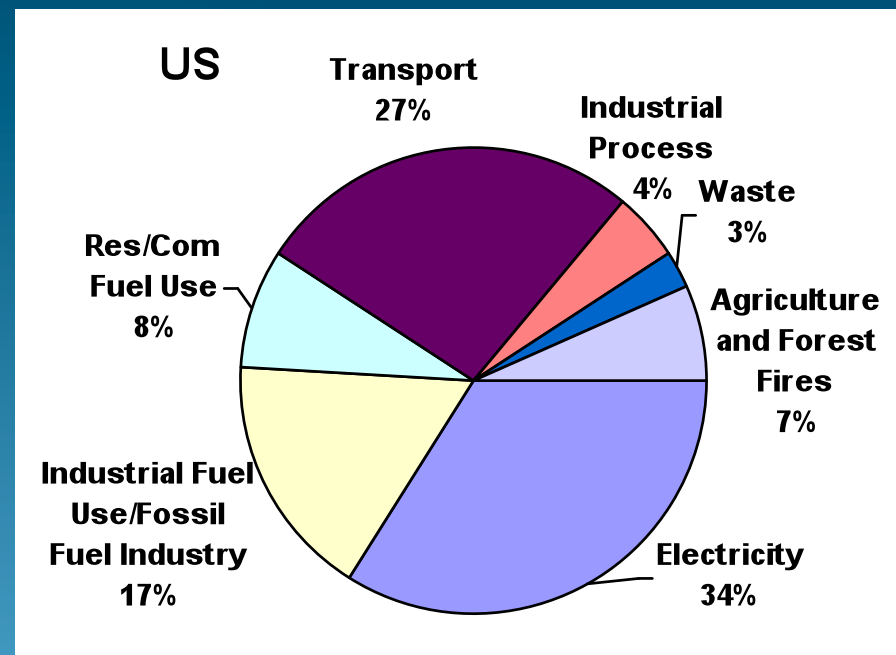
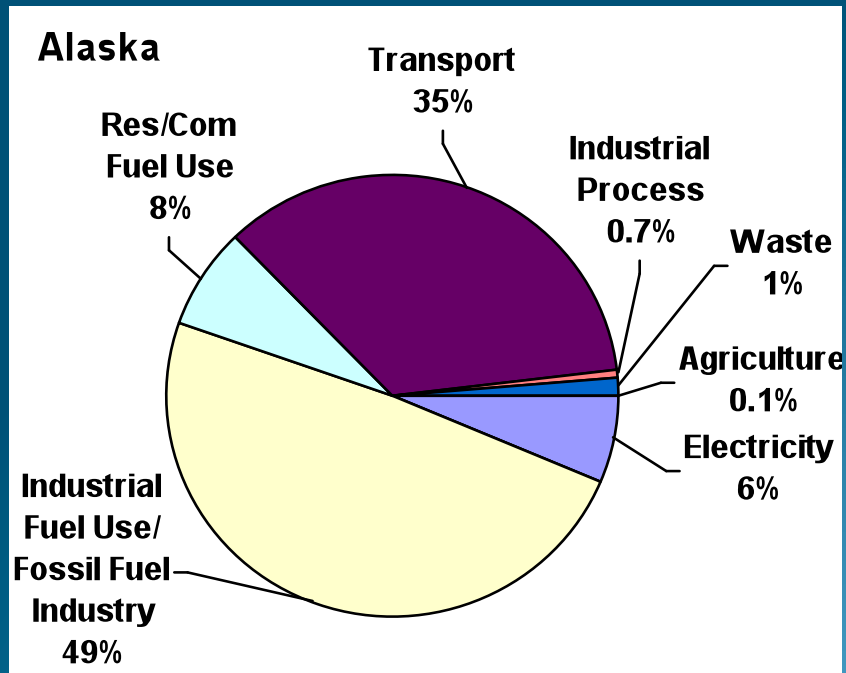


**Coastal
Communities
faced with
Flooding & Erosion
- Kivalina -**

Impacts from a Warming Environment



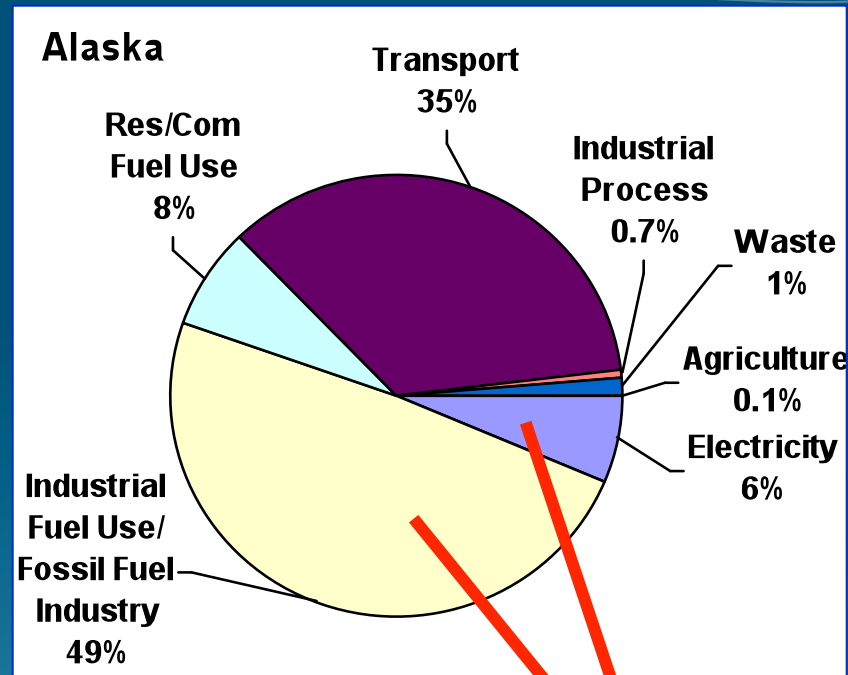
Alaska and US 2005 Greenhouse Gas Emissions by Sector



Alaska Gross GHG Emissions by Sector (2005)

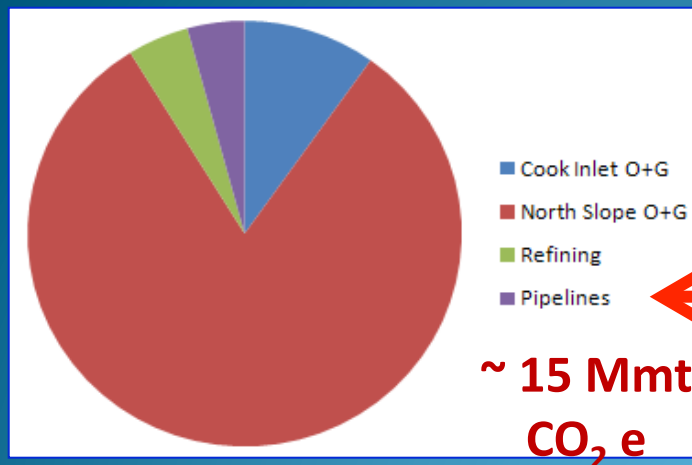
~ 52 Mmt CO₂
Equivalent

(~0.7% US
Emissions)

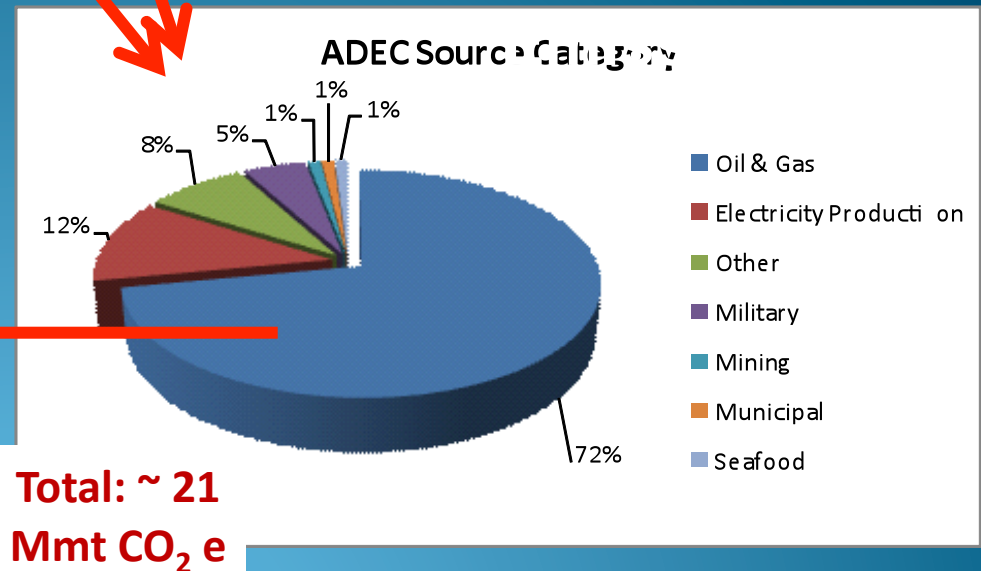


**Alaska Title V
GHG**

O+G GHG Emissions



~ 15 Mmt
CO₂ e



Washington State 2005 GHG Emissions



Electricity Consumption 20%



**Residential, Commercial
and Industrial Fuel Use
20%**



Transportation 47%

Agriculture 6%
Industrial processing 4%
Waste 3%



Source: Washington State Greenhouse Gas Inventory, December 2007
Percentages are rounded numbers

Alaska Concerns with Proposed Federal Legislation

- Adequate funding for Climate Change Adaptation
- Measures to Preserve Alaska's Refineries
- Emphasis on Domestic Production
- Promotion of the Natural Gas Pipeline
- Program Flexibility
- Exclusivity of Climate Change Legislation

Alaska The Last Frontier

The End

<http://www.climatechange.alaska.gov/>



Photo of Mount Redoubt by Dennis Josefczyk