



AK Forum on the Environment 2009 Climate Change Track

Monday, February 2nd

Opening ceremony: (9 – 10:15am) Polar Palooza – Multi-media Climate Change Presentation – DeNa’Ina

BREAKOUT SESSIONS (MON – WED) WILL BE HELD IN THE ARTEAGA ROOM IN THE UPPER LEVEL OF THE EGAN CENTER

Session 1: (10:30 – 11:45am) Climate Change in Alaska: Recent Developments

Moderator: Deborah Williams, Alaska Conservation Solutions with opening blessing by Elaine Abraham, AK Native Elder

Maritime Changes in the Arctic – Admiral A.E. (Gene) Brooks, U.S. Coast Guard

Report Card of the Arctic – Jackie Richter-Menge, Cold Regions Research & Engineering Laboratory

Setting the Stage for Climate Change Action in Alaska - Larry Hartig, Governor’s Sub-Cabinet

This session will highlight the most recent developments in Alaska relating to our changing climate & introduce steps being taken by the State. As ocean ice continues to recede, temperatures rise, and permafrost thaws, a different world is emerging around us. We must begin to prepare ourselves for new frontiers. Issues now before us include national security, food safety and security, environmental challenges, and threats to a traditional way of life. This session will touch on the big picture and lay the groundwork for subsequent sessions in which you are invited to explore with panelists what we can all do to increase resiliency while reducing our footprint.

Session 2: (2:00 – 3:15pm) Climate Change in Alaska: Reducing Emissions in the Energy Sector

Moderator: Meera Kohler, Alaska Village Electric Cooperative

TWG Rep & Rural Issues: Meera Kohler, Alaska Village Electric Cooperative

Alaska/Statewide Plan or Statewide Grid/Power Distribution: Steve Haagenson, Alaska Energy Authority

Promising New Technologies & Challenges: Gwen Holdmann, Director, University of Alaska Fairbanks -

Renewables: Martina Dabo, Alaska Energy Authority

This session will lay a foundation for subsequent sessions focused on reducing emissions. Beginning with an understanding of the inventory of greenhouse gas emission sources, we can better understand where opportunities for reduction lie in the Energy Supply & Demand Sector. This will be combined with a sense for prospective options being considered for recommendation to the State of Alaska by stakeholders in the Climate Change Strategy development process.

Session 3: (3:30 – 4:45pm) Climate Change: Mitigating Impacts from the Oil & Gas Industry

Moderator: John Norman, Commissioner, AK Oil & Gas Conservation Commission

TWG Rep: Diane Shellenbaum, AK Dept of Natural Resources

Carbon Capture & Storage: Brent Lakeman, Alberta Research Council

O&G Industry Preparing for the Future: Claire Fitzpatrick, British Petroleum

Reducing greenhouse gas emissions from processes related to the oil and gas industry will be an important element in the development of the State’s proposed Climate Change Strategy in this energy producing state. Technical Work Group members will provide an overview of the preliminary set of options under consideration while experts will present information on progress in efficiency and technology.

Tuesday, February 3rd

Session 4: (9:30 – 10:30am) Climate Change in Alaska: Reducing Emissions in the Transportation & Land Use Sector

Moderator: *Frank Richards, AK Dept. of Transportation & Public Facilities*

TWG Rep: Curt Stoner, Totem Ocean

Aviation Sector: Alison Bird, Federal Express

Transportation: Cheryl Richardson, Anchorage Citizens Coalition

Land Use: John Weddleton, Anchorage Planning and Zoning Commission

This session will focus on opportunities for reduction in the area of Transportation and Land Use. Hear prospective options being considered for recommendation to the State of Alaska by stakeholders in the Governor's Sub-Cabinet on Climate Change Strategy development process as well as innovations in transportation & land use that can be adopted in Alaska to help reduce our emissions.

Session 5: (10:45 – 11:45am) Climate Change in Alaska: Reducing Emissions from Forestry, Agriculture & Waste

Moderator: *Luke Hopkins, Fairbanks North Star Borough Assembly*

TWG Rep: Ron Wolfe, Sealaska

Chris Maisch, State of Alaska Division of Forestry

Donna Mears, Municipality of Anchorage

This session will focus on opportunities for reduction in the area of Forestry, Ag, and Waste. Hear prospective options being considered for recommendation to the State of Alaska by stakeholders in the Governor's Sub-Cabinet on Climate Change Strategy development process as well as innovations which can be adopted in Alaska to help reduce our emissions.

Session 6: (2:00 – 4:45pm) Climate Change in Alaska: Building Resiliency into our Future (Coastal Communities Adapting to Change) ~ Double Session ~

Moderators: *Jackie Poston, AK Department of Environmental Conservation, and Steve Ivanoff, Kawerak*

Immediate Action Work Group: Protection and/or Relocation –Newtok and Other Lessons Learned - Mike Black, AK Dept of Commerce, Community & Economic Development (DCCED)

What's been done and is underway:

Emergency Response Planning & Training - John Madden, AK Dept of Military & Veterans Affairs, Homeland Security & Emergency Response (DMVA, HS&ER)

Shoreline Protection Projects - Patricia Opheen, U.S. Army Corps of Engineers, and Mike Coffey, AK Dept of Transportation & Public Facilities

US Navy IRT & other potential partnerships - Mike Black, DCCED

Where do we go from here:

**Alaska Climate Change Technical Work Group Overview and Recommendations - John Madden, HS&ER
New Information (CoE Baseline Erosion Study, GAO Report) - Patricia Opheen, Corps of Engineers, and Jeff Malcolm, U.S. Government Accountability Office**

Buildings for the Future - Jack Hebert, Cold Climate Housing Research Center

Water & Sewer for the Future - Greg Magee, AK Dept of Environmental Conservation

Community Perspectives – What's at stake? Working together w/multiple entities & other communities:

Unalakleet - Steve Ivanoff, Kawerak

Newtok – Stanley Tom, Newtok Traditional Council

Sampling of Available Resources:

Community Grant Programs - Sally Cox, DCCED

Community Sea Grant Program - Paula Cullenberg, Alaska Sea Grant

Other rural infrastructure needs and support Denali Commission – George Cannelos, Denali Commission

This extended panel session and discussion will serve as a focal point for discussion centered around key issues facing communities threatened by flooding and erosion. Climate Change is only a part of the picture; rising energy costs and sustainability are also key factors, all of which must be taken into consideration when looking ahead and building resiliency into a healthy future. Presenters will also discuss some grant opportunities designed to help communities adapt to changes in a sustainable manner.

Wednesday, February 4th

THE FOLLOWING SESSIONS (THURSDAY & FRIDAY) WILL BE HELD IN VARIOUS LOCATIONS.
PLEASE NOTE, WITH CARE, THE LOCATION ON THE MOST CURRENT AGENDA.

**AML Session: (9:00am – noon) “Climate Change & Communities –
What Communities are doing to Address Global Warming” (Day 1 of 2)**
Dena’ina Center, Breakout Room #3, 2nd floor
Sponsored by the Alaska Municipal League (AML) - See attached agenda

Session 7: (9:30 – 10:30am) Climate Change in Alaska: Building Resiliency – Health & Culture

Moderator: Jeffrey Demain, Allergy, Asthma & Immunology Center of Alaska, Clinical Associate Professor, University of Washington

TWG Rep & Insect & Vector-borne Threats: Jeffrey G Demain, Allergy, Asthma & Immunology Center of Alaska, Clinical Associate Professor, University of Washington

Food & Waterborne Risk & Disease: Joe McLaughlin, Alaska Division of Public Health

Subsistence Impacts: Craig Fleener, Alaska Department of Fish and Game,

Cultural Impacts: Elaine Abraham, Alaska Native Elder

This session will focus on opportunities for building resiliency in the face of our changing climate in the areas of health and culture. Hear an overview of the impacts being addressed and prospective options under consideration for recommendation to the State of Alaska by stakeholders in the Governor's Sub-Cabinet on Climate Change Strategy development process.

Session 8: (10:45 – 11:45am) Climate Change in Alaska: Wildlife & Natural Systems

Moderator: John Kreilkamp, Cruisewest

TWG Rep & Terrestrial Vegetation: Terry Chapin, University of Alaska Fairbanks

Marine Life: Brendan Kelly, University of Alaska Southeast

Glaciers and Other Physical Systems: Bruce Molnia, U.S. Geological Survey

Ocean Acidification: Jeffrey Short, Oceana

This session will focus on opportunities for building resiliency in the face of our changing climate in our natural world and the human systems, like tourism and fisheries that rely on them. Hear an overview of the impacts being addressed and prospective options under consideration for recommendation to the State of Alaska by stakeholders in the Governor's Sub-Cabinet on Climate Change Strategy development process.

Session 9: (2:00 – 3:15pm) Climate Change in Alaska: Our Built Environment

Moderator: Patricia Opheen, U.S. Army Corps of Engineers

TWG Rep: Stan Foo, Barrick Gold

Transportation Infrastructure: Michael Coffey, AK Dept. of Transportation and Public Facilities

Permafrost Dependent Infrastructure: Michael Lilly, GW Scientific

Housing/Construction: Jack Hébert, Cold Climate Housing Research Center

This session will focus on opportunities for building resiliency in the face of our changing climate into our homes, schools, airports, roads, runways, ports & harbors, and all other public and private buildings and infrastructure. As temperatures rise and permafrost thaws, retrofits, repairs and new design standards are becoming essential. Hear an overview of the impacts being addressed and prospective options under consideration for recommendation to the State of Alaska by stakeholders in the Governor's Sub-Cabinet on Climate Change Strategy development process.

Session 10: (3:30 – 4:45pm) Climate Change in Alaska: Discussion – Pulling it All Together

Moderators: Fran Sussman, ICF International, and Deborah Williams, AK Conservation Solutions

Come take part in this open dialogue session to share with us what you learned this week, what you would like to see more of, what you would like others to know, and ideas for working together in this complicated and ever-changing world. We are all in this together.

CLIMATE CHANGE DAY – RESEARCH & REDUCING EMISSIONS (CHG COLORS)
Thursday – February 5th

Open to AFE registrants, this exciting gathering is specifically designed for the Research Coordination Workshop, Alaska Municipal League, members of the Governor's Climate Change Sub-Cabinet & Stakeholders

8:00AM WELCOME & OPENING REMARKS: *Matt Claman, Acting Mayor, Municipality of Anchorage*

“THE ARCTIC AND ANTARCTIC – WINDOWS ON EARTH’S FUTURE”

Jackie Richter-Menge, Cold Regions Research & Engineering Laboratory

This presentation will impart an expanded glimpse of polar research during the International Polar Year. Following an overview of the current state of affairs in the Arctic, sea ice expert, Jackie Richter-Menge, navigates us through a unique, mixed media journey from the frozen sea-ice of the Arctic 200 miles north of Prudhoe Bay, to a cruise aboard the USCGC HEALY across the ice-free waters of the Bering Sea. This is, for most of us, the best & only way to experience polar research without enduring the physical challenges of that harsh environment – through videos from Earth's North and South Poles produced by POLAR-PALOOZA as part of a national education and outreach project supported by NSF and NASA.

9:30 - NOON

ALASKA MUNICIPAL LEAGUE (AML) – Continues in Breakout Rm 3, Dena'ina Center

“CLIMATE CHANGE & COMMUNITIES – WHAT COMMUNITIES ARE DOING TO ADDRESS GLOBAL WARMING” (Day 2 of 2) – *Detailed Agenda on Following Pages*

9:30 – 4:00PM

MITIGATION ADVISORY GROUP (MAG) - Continues at the ATWOOD BLDG 2ND Floor Conference Room #240 – 550 W. 7th Ave.] Call-in Number 800-704-9804 Code 563 667#

Lunch Panel: Noon – 1:30pm

“POTENTIAL LEGISLATION ON GREENHOUSE GAS EMISSIONS & IMPACTS TO ALASKA”

Moderator: Michael Tubman, Office of the Governor, State of Alaska

Heather Grahame, Dorsey & Whitney

Marcus Hartley, Northern Economics

Detailed agenda online at: <http://www.climatechange.alaska.gov/>

Evening Reception & Workshop - By Invitation:

"NOAA STAKEHOLDER FORUM: SETTING THE COURSE FOR THE NEXT 25 YEARS"

CONTACT: Amy Holman, National Oceanographic & Atmospheric Administration



CLIMATE CHANGE RESEARCH COORDINATION WORKSHOP

Thursday, February 5th

Dena'ina Convention Center

Tubughnenq' Room (Breakout Rms 3/4/5)

8:00AM WELCOME & OPENING REMARKS: *Matt Claman, Acting Mayor, Municipality of Anchorage*

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9:30 REGIONAL DOWNSCALING: **Scott Rupp, UAF Scenarios Network for Alaska Planning (SNAP)**

9:45 ARCTIC RESEARCH GOALS REPORT: **Mead Treadwell, U.S. Arctic Research Commission**

10:00 COLLABORATIVE PROJECT PROPOSALS - A REPORT FROM THE EXECUTIVE ROUNDTABLE:

Leslie Holland-Bartels, U.S. Geological Survey

Molly McCammon, Alaska Ocean Observing System

Charla Sterne, U.S. Fish & Wildlife Service

Mark Shasby, U.S. Geological Survey

Bob Winfree, National Park Service

10:20 ROUND ROBIN: All Participants

11:40 IMPORTANCE OF TRADITIONAL KNOWLEDGE: Leonard Apangalook, Sr., Alaska Native Elder

NOON LUNCH – AFE PLENARY: “THE O’SHEA REPORT” [Dena’ina Tikhatnu Ballroom]

1:30 WELCOME AND OVERVIEW OF RESEARCH NEEDS WORK GROUP

Moderators: Brenda Holden and Indra Arriaga, Information Insights

Doug Vincent-Lang, AK Dept. of Fish & Game, and Clint Adler, AK DOT & PF

2:00 EXPLANATION OF THE ROUND TABLE DISCUSSION PROCESS

2:10 FIRST ROUND TABLE DISCUSSION - EVERYONE CHOOSES THEIR TOPIC

3:00 BREAK AND SHIFT TO 2ND TABLE DISCUSSION IN A SIMILAR MANNER

3:10 2ND ROUND OF TABLE DISCUSSIONS.

4:00 LARGE GROUP FACILITATED DISCUSSION - ANY CROSS-CUTTING IDEAS, ISSUES, THEMES.....

4:30 WRAP UP

Refreshments generously provided by AOOS in support of this Workshop



Friday, February 6th

ADAPTATION ADVISORY GROUP (AAG) MEETING #5 (9:00am – 4:30pm) [ATWOOD BLDG 2ND Floor
Conference Room #240 – 550 W. 7th Ave.] Call-in number (800) 315-6338 Code: 2294#

Lunch Panel: (Noon – 1:30pm)

**“UPDATE ON NOAA’S PLANS TO DEVELOP A NATIONAL CLIMATE SERVICE & REGIONAL
ACTIVITIES IN ALASKA”**

Moderator: Amy Holman, National Oceanographic & Atmospheric Administration

Chester Koblinsky, National Oceanographic & Atmospheric Administration

**“WORKING WITH COMMUNITIES – A GLOBAL PERSPECTIVE ON ADAPTING TO A CHANGING
CLIMATE”**

Kristie Ebi, ESS, LLC with an introduction by Elaine Abraham, Alaska Native Elder

Detailed agenda online at: <http://www.climatechange.alaska.gov/>



CLIMATE CHANGE AND COMMUNITIES

What Alaskans are doing to Address Global Warming

Presented by the Alaska Municipal League and the Alaska Conference of Mayors in association with the U.S. Cooperative Extension Service and the Alaska Forum on the Environment

8:30 to Noon, February 4 and 5
Dena'ina Center, Breakout Room # 3
Anchorage, Alaska

Session # 1. City of Homer Sustainability Policy Guide

Wednesday, February 4, 9 AM to 10:15 AM

Amy Shatzin of ICLEI, a global organization of local governments for sustainability, will provide a national overview of local sustainability initiatives. Anne Marie Holen and the City of Homer's consultant, Joel Cooper, will present the recently adopted City of Homer Sustainability Policy Guide, which shows how dozens of daily activities and practices of city employees can be modified to conserve energy and resources.

Session # 2. New Initiatives of the Obama Administration

Wednesday, February 4, 10:30 AM to Noon

Susanne Fleek-Green, Alaska State Director for Senator Mark Begich, will provide an up-to-date overview of new initiatives in the Obama Administration including infrastructure funding, energy conservation and alternative energy funding (and other 'green' initiatives), and other actions and initiatives that affect Alaska communities.

Session # 3. Climate Change in Alaska

Thursday, February 5, 8:00 AM to 9:15 AM

Dr. Robert Corell is a Senior Policy Fellow with the Atmospheric Policy Program of the American Meteorological Society. He is also a Senior Research Fellow in the Belfer Center for Science and International Affairs of the Kennedy School of Government at Harvard University. Dr. Corell will address the impacts of global warming in the Arctic.

Session # 4. Grow Your Own: Local Food Production and Food Security

Thursday, February 9:30 AM to Noon

Alaska is at the end of the supply chain, and with rising fuel costs, is an increasingly expensive destination for imported food supplies. This workshop will highlight the efforts underway, the importance, and the possibilities, of local food production. Bill Hall, a facilitator with the Cooperative Extension Service and Peter Freer with the Alaska Municipal League will moderate an interactive discussion with participants and a panel that includes Amy Pettit of the Alaska Division of Agriculture; Arthur Keyes, owner/operator of Glacier Valley Farms CSA; Milan Shipka, Associate Director of the Agriculture and Forestry Experiment Station at UAF; Kim Sollien, food security and sustainable food advocate, and Alaska food blogger (AK Root Cellar, Anchorage Daily News); and Heidi Rader, assigned by the CES to promote village agriculture in the Tanana Chiefs region.

Please visit this site for updates on these conference sessions. See the full conference agenda at <http://www.akforum.com/agenda.htm>.