

2012



February 6-10, 2012

Dena'ina Convention Center

Anchorage, Alaska



Our Organization:

The Alaska Forum, Inc. was initially formed to support an annual education event, the Alaska Forum on the Environment, which celebrates its 14th year in 2012. This widely recognized event began in 1990 as the Alaska Federal Facility Environmental Roundtable; an annual conference focused on contaminants, hazardous waste cleanup, hazardous materials management, pollution prevention, etc., at federal facilities. It was expanded by an agreement called the Statement of Cooperation between the leadership of environmental regulators, military departments, and federal agencies. The Alaska Forum on the Environment— the Alaska Forum, Inc. operates as a 501(c)(3) non-profit organization to support this annual educational event and to extended our mission to promote effective cooperation, communication, and education in Alaska.

Our Process:

The Alaska Forum on the Environment results from the efforts of a diverse group of organizations that serve as our Planning Committee and seeks to provide an open exchange of ideas and information in a respectful and courteous atmosphere. The structure of the event allows the opportunity to reach a greater understanding of the issues and of each other among the full range of participants: rural and urban; industry and private; agency and public; students and scholars; ...and those who are just plain interested in the environment!

Our event is successful with the dedicated support of volunteers using a team approach that is respectful of the diversity of opinions and perspectives of all Alaskans.

We actively seek agenda input throughout the planning process. While most topics are informational, others present more complex issues and challenges facing environmental, corporate, and regulatory agencies in Alaska. We actively work to best address all issues including those that are complex by structuring sessions to encourage problem solving and present diverse perspectives and alternative viewpoints. We encourage the opportunity for an informed and respectful dialogue with all of our presenters.

The Alaska Forum on the Environment, and other Alaska Forum programs and projects do not take political or advocacy positions. The result is a hugely diverse agenda, with over eighty Breakout Sessions and six Keynote Events. Topics and the presenters range from Alaska’s communities, to federal, state and tribal government agencies; international organizations and governments; to those specialized in technical science and the environment.

If you are interested in helping to shape the agenda of the Alaska Forum on the Environment, please contact us: your support is welcome!

Our Funding:

The Alaska Forum on the Environment is a 501(c)(3) non-profit organization. Approximately 40% of our funding is provided in voluntary contributions and sponsorships by our leadership partners. Our leadership partners are organizations that invest both staff resources and funding in the Alaska Forum on the Environment. 8% of our funding is invested by leading Alaskan industries and businesses. The remaining 52% of event funding is derived directly from participants through event registration fees. We regulate organizational and sponsor contributions to ensure that our funding sources represent the diversity we strive to achieve within the Alaska Forum on the Environment.

Our Commitment:

The Alaska Forum on the Environment actively solicits partners that can provide constructive input in our team approach. We value the individuals and the organizations that work with us in a statewide spirit of cooperation to achieve this premier event. We believe that we can find positive ways to maximize environmental benefits through cooperative approaches, partnerships, and the sharing of information and ideas in a respectful forum. We believe that effective communication can provide the foundation for Alaska’s environmental community. Our mission is to promote a healthy environment through communication and education; and we welcome support from those who share in this goal.

The Alaska Forum on the Environment Mission

“Alaskans working together to promote a clean, healthy environment through communication and education.”

The Alaska Forum and our programs or projects will not take political or advocacy positions. The Alaska Forum works to promote a more productive and efficient relationship between government agencies, businesses, organizations, tribes, and the public by:

- developing a more common understanding and educational foundation;
- providing opportunity for the exchange of information and experiences; and
- understanding the diversity of opinions and concerns of others.

Leadership Partners & Exhibitors

2012

Leadership Partners

Alaska Department of Environmental Conservation
BP Exploration (Alaska)
CH2M Hill
ConocoPhillips
Ecology and Environment
Oil Spill Recovery Institute
PWS Regional Citizens' Advisory Council
US Air Force
US Army Corps of Engineers
US Coast Guard
US Department of Agriculture, Natural Resources
Conservation Service
US Department of the Interior
US Environmental Protection Agency, Region 10
US Environmental Protection Agency,
Global Change Research Program
US Fish & Wildlife Service
US Forest Service
US Bureau of Ocean Energy Management
US Navy

Exhibitors

611th Civil Engineering Squadron
ACCAP/SNAP
AK Center for Climate Assessment & Policy
Alaska Association of Environmental Professionals
Alaska Dept. Environmental Conservation
Alaska Native Tribal Health Consortium
Alaska Pacific University
Alaska Sea Grant Marine Advisory Program
Alliance of Hazardous Materials Professionals
BGES, INC.
BLM Campbell Creek Science Center
Bristol Alliance of Companies
Bureau of Ocean Energy Management
Bureau of Land Management (BLM)
Cascadia Green Building Council
Coffman Engineers
Corps of Engineers
Defenders of Wildlife
DOD NALEMP
Environmental Management Inc.
EPA Region 10 RTOC
Green Star
Hattenburg, Dilley and Linnell
Jacobs
North Wind Group
NTEC
Pace Analytical Services, Inc.
Pebble Project
Prince William Sound RCAC
Region 10 R.T.O.C.
Renewable Resources Foundation
Ridofli
Rural Alaska Fuel Services
Scenarios Network for AK & Arctic Planning
SGS North America
State of Alaska
Summit Consulting
TestAmerica
The Alaska Wilderness League
Tok Welding
Tongass National Forest
Total Reclaim
TTT Environmental
Tyonek Tribal Conservation District
US Fish & Wildlife Service
UAA Environment and Natural Resources Institute
UAF Bristol Bay Campus
UAF Cooperative Extension Services
UAF School of Fisheries and Ocean Sciences
UAF-RAHI
UAF, Bristol Bay Campus
UAF/CES/CYFAR
University of Mass - Boston
US Forest Service
USDA-Natural Resources Conservation Service
Youth Track Booth
Zender Environmental Health and Research Group

Posters

POSTER DESCRIPTION	ORGANIZATION, SUBMITTED BY
Traditional foods and potential contaminants	Alaska Community Action on Toxics, Samarys Seguinot-Medina
Ringed seal harvest data and its relationship to community needs and climate change ..	ADF&G, Mark Nelson
Alternative energy in rural Alaska schools	UAF – Coop. Extension Service, Art Nash
Building design for rural Alaska allowing residents to “age in place”	UAF – Coop. Extension Service, Art Nash
Water runoff and potential environmental impacts on the Kusokwim watershed	Kuskokwim Watershed Council, Adrian Boelens
Habitat and water quality funding opportunities for communities in the Exxon Valdez spill area	National Oceanic & Atmospheric Administration, Eric Rothwell
Alternatives to electricity for transmission and low-cost firming storage of large-scale stranded renewable energy as pipelined hydrogen and ammonia carbon-free fuels	Bill Leighty
Data indicators of climate change	Native Village of Gakona, Bob Absher
Alexander Eighteen – protecting our long respectful relationship with wild places	Larry Johansen
Using science to understand and prepare for climate change.....	National Park Service, Bud Rice
How 4-H teens made a video about safe and environmentally responsible ATV riding	UAF – Coop. Extension Service, Rebecca Bruntz
Changes in the distribution of forest pests due to a changing climate	US Forest Service, John Lundquist
Coastal storms, their impacts, and how climate change may be affecting them	US Fish & Wildlife Service, Karen Murphy
The Your Healthy House project was designed to raise awareness of healthy indoor air quality and demonstrate affordable ways to eliminate health hazards in Alaska homes.....	Cold Climate Housing Research Center, Molly Rettig
Low Cost Weatherization: Quantified Energy Savings.....	UAF Bristol Bay Campus Sustainable Energy Program, Chet Chambers
Iqsak K-12 Science Curriculum Project – Developing a K-12 science curriculum for the Chugach region that reflects Alaska Native beliefs, values and understandings of the natural world	Chugach Regional Resources Commission, Hanna Eklund
The impacts of dioxins and other contaminants on subsistence resources	Yakutat Tlingit Tribe, Alex James
Mercury Export from the Yukon River, Alaska: A unique opportunity to assess global atmospheric sources at large scales and potential future response to climate change	U.S. Geological Survey, Paul Schuster
Estimation of Mercury Storage in Permafrost and Potential Release to the Environment by Thaw	U.S. Geological Survey, Paul Schuster

Posters

2012

Board of Directors & Staff

BOARD OF DIRECTORS

Officers and Directors:

- Larry Bethel, Environmental Management Inc.
- Patricia Cochran, Alaska Native Science Commission
- Kurt A. Eilo, Alaska Forum
- Pat Lavin, National Wildlife Federation
- Thomas Manson, ConocoPhillips
- Vivian Melde, Ecology and Environment
- Richard Porter, Knik Tribal Council

Ex-Officio Officers: (non-voting)

- Doug Mutter, Department of the Interior
- Alan Quesnel, US Air Force

STAFF

- Executive Director: Kurt A. Eilo
- Deputy Director: Karen Kroon
- Grant Program Manager: Peter Melde
- Editor and Grant Development: Kate McLaughlin
- Bookkeeper: Lindsey Jolly

Planning Committee

- Susan Alexander, USDA Forest Service
- Catherine Allen, US Environmental Protection Agency
- Meg Burgett, University of Alaska, Fairbanks - Cooperative Extension Service
- Laurel Devaney, US Fish & Wildlife Service
- John Duffy, University of Alaska, Fairbanks
- Kurt Eilo, Alaska Forum
- Susan Erben, Alaska Department Environmental Conservation
- Jean Gamache, National Park Service
- Santina Gay, US Environmental Protection Agency
- Lisa Geist, US Army Corps of Engineers
- Kristine Harper, NRCS
- Katharine Heumann, Alaska Department Environmental Conservation
- Katherine Hughes, BP
- Timothy Hoffman, Alaska Department Environmental Conservation
- Doug Huntman, Alaska Department Environmental Conservation
- Lindsey Jolly, Alaska Forum
- Ty Keltner, Alaska Department Environmental Conservation
- Klaudia Jo Klaudi, Knik Tribal Council
- Anna Kohl, HDR Alaska, Inc.
- Karen Kroon, Alaska Forum
- David Lockard, Alaska Energy Authority
- Thomas W Manson, ConocoPhillips Alaska, Inc.
- Vivian Melde, Ecology and Environment
- Jerome Montague, Alaska Command
- Shane Montoya, US Coast Guard
- Doug Mutter, US Department of Interior
- Richard Porter, Knik Tribal Council
- Todd Radenbaugh, University of Alaska, Fairbanks - Bristol Bay Campus
- Ann Rappoport, US Fish & Wildlife
- Virginia Raps, Bureau of Ocean Energy Management
- Heather Rice, National Park Service
- Linda Robinson, Prince William Sound RCAC
- Joel Scheraga, US Environmental Protection Agency
- Cherie Shelley, US Forest Service
- Bob Shirley, US Air Force
- Aurora Sidney-Ando, Alaska Pacific University
- Lauri Strauss, kpb architects
- Moses P Tcheripanoff, ANTHC
- Win Westervelt, CH2M Hill
- Carolyn Winters, US Navy

Monday, February 6

MORNING

7:30 a.m. - 9 a.m.

- ☐ Registration *Upper Lobby 3rd Floor*

8 a.m. - 8:30 a.m.

- ☐ Moderator Training (by Invitation Only)
K'enaakatnu Executive Board Room

8:30 a.m. - 9 a.m.

- ☐ MORNING MUSIC EVENT *Tikahtnu Ballroom*
Michael Gorder on Acoustic

9 a.m. - 9:30 a.m.

- ☐ Introduction and Opening Comments *Tikahtnu Ballroom*

9:30 a.m. - 10:15 a.m.

- ☐ KEYNOTE EVENT *Tikahtnu Ballroom*
J. Michael Fay, Conservationist/Explorer-in-Residence
National Geographic

10:30 a.m. - 11:45 a.m.

- ☐ Elements of a Modern Mine *Kahtnu 1*
- ☐ Remediation, Demolition and Cleanup Projects in Rural or Remote Alaska (Planning for the Unexpected) *Kahtnu 2*
- ☐ Progress and Partnerships of Alaska's New Landscape Conservation Cooperatives *Tubughnenaq' 3*
- ☐ Science and Career Opportunities for Rural Students *Tubughnenaq' 4*
- ☐ Finding Your Voice: When and How to Participate in the NEPA Process *Tubughnenaq' 5*
- ☐ How to Tell Your Success Story under the EPA General Assistance Program (GAP) *Tikahtnu C*
- ☐ Improving the Indoor Environment: Where and How to Find Funds for Healthy Tribal Housing *Tikahtnu D*
- ☐ Realities of Kinetic Hydropower on Most of the Yukon River *Tikahtnu E*

AFTERNOON

12 p.m. - 1:45 p.m.

- ☐ KEYNOTE EVENT *Tikahtnu Ballroom*
Jason F. McLennan, CEO
International Living Future Institute

2 p.m. - 3:15 p.m.

- ☐ Mining & Water Quality: Acid-rock Drainage and Dissolved Metals *Kahtnu 1*
- ☐ A Superfund Site: Cleaning Up The Abandoned Historic Salt Chuck Mine in Southeast Alaska *Tikahtnu C*
- ☐ Solid Waste Funding Providers Group *Kahtnu 2*
- ☐ Funding for Tribal Climate Change Projects *Tubughnenaq' 5*
- ☐ The Endangered Species Act in Alaska: Cooperative Conservation *Tubughnenaq' 3*
- ☐ College Success: Anytime, Anywhere *Tubughnenaq' 4*
- ☐ What Happened to My NEPA Comments? *Tikahtnu D*
- ☐ State Department of Homeland Security Rural Alaska Emergency Response Planning Initiative *K'enaakatnu Board Room*
- ☐ Oil Well Drilling and Wells *Tikahtnu E*

3:30 p.m. - 4:45 p.m.

- ☐ Coal Mining: Elements of a Coal Mine & Coal Mine Regulation *Kahtnu 1*
- ☐ An Inventory of Alaska's Eroding Landfills and Contaminated Sites, and Solid Waste Jeopardy *Kahtnu 2*
- ☐ Number of Earths: 1, Number of Humans: 7 Billion and Counting *Tikahtnu C*
- ☐ Closed Meeting for Rural Alaska Children's Environmental Health Initiative Partnership (by invitation) *K'enaakatnu Board Room*
- ☐ Village Relocation Clinic at UW Law School: A Proposal *Tikahtnu D*
- ☐ Cooperative Conservation Efforts for Polar Bears *Tubughnenaq' 3*
- ☐ Participatory Democracy - Lessons in Engaging Students in Community Leadership *Tubughnenaq' 4*
- ☐ Incorporating Climate Change in NEPA Documents *Tubughnenaq' 5*
- ☐ Hazardous Waste Identification and Handling for Rural Alaska Villages *Tikahtnu E*

At a Glance

AGENDA

Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor

MORNING

8 a.m. - 8:45 a.m.

- MORNING KEYNOTE EVENT - David J. Hayes,
Deputy Secretary of the Department of the Interior
Tikahtnu Ballroom

9 a.m. - 10:15 a.m.

- High-Performance Buildings - Policies and Case Studies
Tikahtnu C
- Agency Regulatory Role in Permitting and Environmental Review of Large Mines *Tubughnenq' 5*
- Emergency Response Planning for Public Water Systems
Tubughnenq' 3
- Practical Approaches for Flood Risks and Erosion *Kahtnu 1*
- Aggressive Plants, Fish, and Sea Squirrels: Invasive Species in Fresh and Salt Water *Kahtnu 2*
- Youth and Adult Environmental Project Showcase *Tubughnenq' 4*
- Brownfields and Beyond *Tikahtnu E*
- EPA Proposed National GAP Guidebook: Inclusion of Tribes in Alaska
Tikahtnu D
- Susitna-Watana Hydro Project *K'enahtnu Board Room*

10:30 a.m. - 11:45 a.m.

- Reuse and Renovate – The Future of Alaska's Buildings *Tikahtnu C*
- Tribal Government and Community Involvement in Agency Decision Making *Tubughnenq' 5*
- Summary of Cook Inlet Lakes and Southeast Alaska Surveys
Kahtnu 1
- Changing Landscapes: Sea Ice, Snow and Permafrost in Alaska
Kahtnu 2
- Climate Change: Our Voices, Sharing Ways Forward *Tikahtnu E*
- Invasive Species: Help! *Tikahtnu D*
- Environmental Project Planning Toolkit *Tubughnenq' 4*
- EPA Region 10 Draft Tribal Consultation Procedures
K'enahtnu Board Room
- Renewable Energy in Rural Alaska (Challenges and Opportunities)
Tubughnenq' 3

AFTERNOON

12 p.m. - 1:45 p.m.

- LUNCH ON YOUR OWN

2 p.m. - 3:15 p.m.

- US Army Corps of Engineers and National Park Service Step Up Efforts in Green Building *Kahtnu 1*
- Scenes from Coming Attractions: Mineral Explorers and Developers
Kahtnu 2
- Exploring APDES Permits, Involvement Opportunities & Effective Public Comments *Tubughnenq' 3*
- Exploring Tools to Protect Communities and Prevent Conflict with Predators (Part 1 of 2) *Tikahtnu C*
- Bringing It All Together- Environmental Project Planner
Tubughnenq' 4
- Integrating the National Environmental Policy Act and Clean Water Act Section 404 Processes *K'enahtnu Board Room*
- Tribal Input on Planning and Environmental Justice Community Leaders Summit (Part 1 of 2) *Tikahtnu E*
- Making Renewable Energy Projects Within Reach for Alaska Native Villages *Tubughnenq' 5*
- Milne Point Heavy Oil Pilot Project (CHOPS) Status Update
Tikahtnu D

3:30 p.m. - 4:45 p.m.

- The Coast Guard Embraces Green Building *Tikahtnu D*
- GPS Mapping for Geographical Information Systems on a Budget
Tubughnenq' 4
- Climate Change and Public Health *Tubughnenq' 3*
- Exploring Tools to Protect Communities and Prevent Conflict with Predators (Part 2 of 2) *Tikahtnu C*
- Tribal Input on Planning an Environmental Justice Community Leaders Summit (Part 2 of 2) *Tikahtnu E*
- Renewable Energy Fund Projects and Alaska Renewable Energy Review *Kahtnu 1*
- Starting a Research Project to Study Local Environmental Issues
Kahtnu 2

Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor

Wednesday, February 8

MORNING

8 a.m. - 8:45 a.m.

- MORNING KEYNOTE EVENT - Dennis McLerran, US Environmental Protection Agency Regional Administrator *Tikahtnu Ballroom*

9 a.m. - 10:15 a.m.

- Introduction and History to Green Building and Environmental Issues *Kahtnu 1*
- Aleutian Islands and Cook Inlet Risk Assessments *Kahtnu 2*
- Water Quality Sampling in Rural Alaska *Tubughnenaq' 3*
- National Climate Assessment: Indigenous and Tribal Technical Inputs into the Climate Assessment Process and the 2013 Report to Congress and the President *Tubughnenaq' 4*
- Old Copper Valley School Brownfield Site *Tubughnenaq' 5*
- EPA Bristol Bay Watershed Assessment Update *Tikahtnu C*
- Local Environmental Observer (LEO) Network: Bridging the GAP *Tikahtnu D*
- Sustainability: Planning and Communications *Tikahtnu E*
- Distance Delivered Science Laboratory Courses for Rural Alaska *K'enakatnu Board Room*

10:30 a.m. - 11:45 a.m.

- Understanding Building Energy Use/Building Behavior *Kahtnu 1*
- Oil Spill Response Preparedness in the Arctic *Kahtnu 2*
- Water Quality Exchange Spatial Viewer *Tubughnenaq' 3*
- Air Quality Studies in Rural Alaskan Communities *Tubughnenaq' 4*
- Mercury in the Environment - An Introduction to Sources, Exposure and Health in Alaska *Tikahtnu D*
- Youth Environmental Programs under the General Assistance Program *Tikahtnu C*
- EPA Environmental Justice Collaboration and Policy Talking Circle *Tubughnenaq' 5*
- Alaska Food Production Systems and Security *Tikahtnu E*
- Environmental Education for Sustainable Energy *K'enakatnu Board Room*

AFTERNOON

12 p.m. - 1:45 p.m.

- LUNCH ON YOUR OWN

2 p.m. - 3:15 p.m.

- The Economics of Energy Efficiency - Financial Costs and Benefits *Kahtnu 1*
- Area Contingency Planning for Oil Spill Response in Alaska *Kahtnu 2*
- Community Gardens in Alaska: Lessons Learned *Tubughnenaq' 3*
- Coastal Mapping Projects *Tikahtnu C*
- In-Situ Chemical Oxidation of Petroleum-Contaminated Soil and Groundwater *Tikahtnu D*
- A Talking Circle on Contaminants in Your Environment: An Opportunity to Voice Your Thoughts and Concerns *Tubughnenaq' 5*
- Local Actions and Global Effects *Tikahtnu E*
- Shaping Fisheries: Skills for Participating in the Public Process *K'enakatnu Board Room*

3:30 p.m. - 4:45 p.m.

- Policy and Codes That Support Efficiency *Kahtnu 1*
- Shorezone Mapping *Kahtnu 2*
- Environmental Restoration Efforts at Federal Sites in Alaska *Tubughnenaq' 3*
- Residential Indoor Air Quality in Rural Alaskan Homes *Tubughnenaq' 5*
- National Climate Assessment: Alaska Technical Report *Tubughnenaq' 4*
- Wildlife Habitat Projects in Coastal Alaska *Tikahtnu C*
- Water Quality and Permafrost Monitoring Programs in Alaska Communities: Local Knowledge With Global Implications *Tikahtnu D*
- Climate, Game Management & Subsistence Hunting *Tikahtnu E*
- Promoting Rural Environmental Workforce Development Through Internships *K'enakatnu Board Room*

EVENING

4:30 p.m. - 7:30 p.m.

- EVENING EVENT: Regional Tribal Operations Committee and UAF-Cooperative Extension Service Social (see pg.44) *Tikahtnu Ballroom*

Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor

At a Glance

AGENDA

Thursday, February 9

MORNING**8 a.m. - 11:45 a.m.**

- Statement of Cooperation Executive Steering Committee Meeting
K'enakatnu Board Room

8 a.m. - 8:45 a.m.

- MORNING KEYNOTE EVENT:
Nancy Lord, Alaska's Writer Laureate for 2008-10
Tikahtnu Ballroom

9 a.m. - 10:15 a.m.

- So You Need a New Landfill, Huh? Exploring Solid Waste Options for Rural Villages *Kahtnu 2*
- National Park Service - The Next Century *Tubughnenq' 3*
- Language and Culture in GAP Environmental Program Development: A Talking Circle *Tubughnenq' 5*
- Reducing Exposure to Contaminants in the Arctic *Tubughnenq' 4*
- EPA Region 10 Tribal Program and Funding Opportunities *Tikahtnu C*
- Collaborating to Create Safe and Healthy Environments for Children (Part 1 of 2) *Tikahtnu E*
- Saving Energy, Saving Lives *Tikahtnu D*

10:30 a.m. - 11:45 a.m.

- Getting the Message Out! Effective Community Education & Outreach to Address Solid Waste Issues *Kahtnu 1*
- GIS for Cultural & Subsistence Resource Mapping *Kahtnu 2*
- Maritime Operations in the Arctic *Tubughnenq' 3*
- Environmental Justice Toolbox for Solid Waste Management in Rural Alaska *Tubughnenq' 5*
- EPA Update on National Pollutant Discharge Elimination System (NPDES) Permitting for Offshore Oil and Gas Exploration Activities in Alaska *Tubughnenq' 4*
- Collaborating to Create Safe and Healthy Environments for Children (Part 2 of 2) *Tikahtnu E*
- Behavior Change in Environmental Health *Tikahtnu D*
- Mercury, Permafrost, and Climate Change *Tubughnenq' 4*

AFTERNOON**12 p.m. - 1:45 p.m.**

- AFTERNOON KEYNOTE EVENT - John Kozij, Director General of the Northern Strategic Policy Branch, Aboriginal Affairs and Northern Development Canada (AANDC)
Tikahtnu Ballroom

2 p.m. - 3:15 p.m.

- Federal Site Environmental Roundtable *Tikahtnu E*
- Construction and Demolition Waste Disposal Workshop *Kahtnu 1*
- Arctic Shipping and Tribal Involvement: Working to Protect Culturally Sensitive Sea Areas *Kahtnu 2*
- Cultural Sites Preservation & Rural Development *Tubughnenq' 3*
- USDA Natural Resource Conservation Service Partnership Project *Tubughnenq' 4*

2 p.m. - 4:45 p.m.

- Coastal America Alaska Regional Implementation Team Meeting
K'enakatnu Board Room
- Linking Traditional Knowledge with Today's Science *Tikahtnu D*

3:30 p.m. - 4:45 p.m.

- Amchitka Underground Nuclear Test Site Monitoring Program *Kahtnu 1*
- What's Happening at Red Devil Mine? A Talking Circle for Interested Kuskokwim Communities *Tubughnenq' 5*
- Planning and Implementing a Community Recycling Program *Kahtnu 2*
- Quick and Easy GAP Online *Tubughnenq' 4*
- General Assistance Program Planning & Environmental Results *Tubughnenq' 3*
- A Dispatchable Renewable Energy Storage System *Tikahtnu E*

*Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor*

Friday, February 10

8 a.m. - 5 p.m.

- 8 hr. RALO Lite for Village Administrators *Kahtnu 1*
- HAZWOPER 8-Hour Refresher Course
Tubughnenq' 3, 4 and 5 combined

8:30 a.m. - 11:15 a.m.

- Joint Meeting of the Prince William Sound Science Center and Oil Spill Recovery Institute Boards *K'enakatnu Board Room*

8:30 a.m. - 11:45 a.m.

- Marine Debris in Alaska Workshop *Kahtnu 2*

8:30 a.m. - 2:30 p.m.

- FILM FESTIVAL: Film Event *Tikahtnu C*

8:30 a.m. - 4 p.m.

- Effective NEPA Cumulative Impacts Assessment Class *Tikahtnu E*

9 a.m. - 10:30 a.m.

- US EPA General Assistance Program Participants' Closing Session
Tikahtnu D

10:45 a.m. - 4:45 p.m.

- Healthy Homes Master Home Environmentalist Training
Tikahtnu D

10:45 a.m. - 4:45 p.m.

- Oil Spill Recovery Institute Advisory Board Meeting
K'enakatnu Board Room

12 p.m. - 1 p.m.

- LUNCH ON YOUR OWN

NOTES:

At a Glance

AGENDA

*Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor*

NOTES:

2012 Alaska Forum on the Environment

Detailed Agenda

NOTES:

*Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor*

2012

7:30 a.m. - 9:00 a.m.

Registration
Upper Lobby 3rd Floor

Details: The Dena'ina Center opens for Registration at 7:30 AM. Save time...Don't wait in line...Register Online!
<http://www.akforum.com/register.html>

Pick up conference information and name tags here.

8:00 a.m. - 8:30 a.m.

Moderator Training (by Invitation Only)
K'enaakatnu Executive Board Room

Details: By Invitation Only. Moderators for the conference are asked to attend this training to help ensure all sessions progress in a timely and professional manner.

8:00 a.m. - 9:00 a.m.

MORNING MUSIC EVENT
Michael Gorder on Acoustic
Tikahtnu Ballroom



Details: Grab your morning coffee and listen in to the acoustic music of Anchorage talent Michael Gorder.

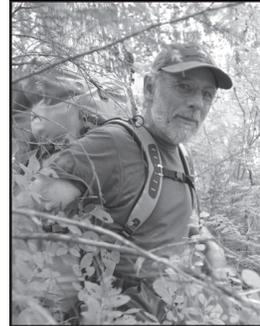
9:00 a.m. - 9:30 a.m.

Introduction and Opening Comments
Tikahtnu Ballroom

9:30 a.m. - 10:15 a.m.

KEYNOTE EVENT

J. MICHAEL FAY
Conservationist, Explorer-in-Residence
National Geographic
Tikahtnu Ballroom



Details: J. Michael Fay has spent his life as a naturalist—from the Sierra Nevadas and the Maine woods as a boy, to Alaska and Central America in college, to North Africa and the depths of the central African forest and savannas for the last 25 years.

Fay has worked for the Wildlife Conservation Society of the Bronx since 1991. He received a B.S. in 1978 from the University of Arizona and spent six years in the Peace Corps as a botanist in national parks in Tunisia and the savannas of the Central African Republic. He joined the staff of the Missouri Botanical Garden in 1984 to do a floristic study on a mountain range on Sudan's western border, but ended up doing his Ph.D. on the western lowland gorilla. It was at this time that Fay first entered the forests of central Africa, surveying large forest blocks and creating and managing the Dzanga-Sangha and Nouabale-Ndoki parks in the Central African Republic and Congo.

In 1996, Fay flew over the forests of Congo and Gabon and realized there was a vast, intact forest corridor spanning the two countries from the Oubangui to the Atlantic Ocean. In 1997, he walked the entire corridor, over 2,000 miles, surveying trees, wildlife, and human impacts on 12 uninhabited forest blocks. Called Megatransect, the project had the objective of bringing to the world's attention the last pristine forest in central Africa and the need for protection. This work led to a historic initiative by the Gabonese government to create a system of 13 national parks in Gabon, making up some 11,000 square miles (28,500 square kilometers).

Fay also hosted Colin Powell on a forest walk in Gabon after the former secretary of state's announcement to support the Congo Basin with tens of millions of dollars for national park creation, development, and forest management. Fay worked for a year setting up park management infrastructure in Loango National Park.

In 2004, Fay completed the Megaflyover, an eight-month aerial survey of the entire African continent. He logged 800 hours and took 116,000 vertical images of human impact and associated ecosystems, many of which are now visible on Google Earth.

In 2008 Fay completed the Redwood Transect, a new project to learn more about the redwood forest. He walked the entire range of the redwood tree, over 700 miles.

Elements of a Modern Mine

Kahtnu 1

Details: The course uses a visual tour of an open-pit and hard-rock mine to explain the elements of a modern mine. The session will highlight the major environmental issues, particularly water handling and water quality, facing mining in Alaska. Participants should come out of the session understanding the following: function of the major mine facilities; process by which ore becomes metals and tailings; basic processes for using water and controlling water quality; important environmental issues with mining, particularly water quality.

Presenter: Bob Loeffler, Institute of Social and Economic Research University of Alaska, Anchorage
Moderator: Vivian Melde, Ecology and Environment, Inc.

Remediation, Demolition and Cleanup Projects in Rural or Remote Alaska (Planning for the Unexpected)

Kahtnu 2

Details: This session will present on issues for consideration when planning projects that have the potential to generate regulated wastes and/or materials in remote or rural Alaska.

Presenter: Kirby Brown, Lockheed Martin
Moderator: Doug Huntman, Alaska Department of Environmental Conservation

Progress and Partnerships of Alaska's New Landscape Conservation Cooperatives

Tubughnenaq' 3

Details: Landscape Conservation Cooperatives (LCCs) are self-directed partnerships that link science with conservation actions to address climate change and other stressors within and across landscapes. The US Fish & Wildlife Service partners with other federal agencies, states, tribes, NGOs, universities and stakeholders within a geographically defined area. This session will provide a status report on the implementation of the 5 LCCs in Alaska.

Presenter: Douglas Burn, US Fish & Wildlife Service
Moderator: Jolie Pollet, Bureau of Land Management

Science and Career Opportunities for Rural Students

Tubughnenaq' 4

Details: Learn about the abundance of great science camps, internships and career training opportunities available to rural high school and college students statewide. Presentations will include information about: Internships with the US Fish & Wildlife Service, the Chugach Children's Forest, Yukon River Drainage Fisheries Association (YRDFA) Culture Fish Camps, and the Alaska Native Science and Engineering Program.

Presenters: Kristen Gilbert, US Fish & Wildlife Service; Sarah Warnock, Alaska Geographic; Jill Klein, Catherine Moncrieff, Teddy Willoya, and Christian Ostentoski, YRDFA
Moderator: Jessica Armstrong, US Fish & Wildlife Service

Finding Your Voice: When and How to Participate in the NEPA Process

Tubughnenaq' 5

Details: The National Environmental Policy Act (NEPA), passed in 1970, created a formal path for communication and public decision-making for activities or actions that impact federal lands, air or water quality or are federally funded. The purpose of the NEPA process is to assure that public interest is protected and residents can participate in the shaping of resource development proposals near their communities. Unfortunately, the process can be intimidating and confusing, and knowing when and how to participate is often not clear. This session will focus on the formal as well as informal opportunities to interface with developers and regulatory agencies throughout the NEPA process to create projects that are mutually beneficial for all affected parties. We will also discuss tools available to communities that can enhance their participation and will present case studies of the NEPA process in Alaska that have been modified to address local concerns.

Presenters: Meg Burgett, University of Alaska, Fairbanks Cooperative Extension Service; Michael Routhier, Bureau of Ocean Energy Management; Kelley Hegarty-Lammers, Community & Regional Planners
Moderator: Robert Gorman, University of Alaska, Fairbanks Cooperative Extension Service

How to Tell Your Success Story under the EPA General Assistance Program (GAP)

Tikahtnu C

Details: The art of sharing the "story" about your grant project's success is sometimes elusive, but it is often a necessary part of acquiring continued funding for many grants. There are many ways to get your story out there, so come and hear from a few experts with tips of the trade.

Presenter: Moses Tcheripanoff, Alaska Native Tribal Health Consortium
Moderator: Santana Gay, US Environmental Protection Agency

10:30 a.m. - 11:45 a.m. (cont.)

Improving the Indoor Environment: Where and How to Find Funds for Healthy Tribal Housing

Tikahtnu D

Details: Though there are funds to repair and renovate tribal housing, healthy home grants are competitive and often confusing. With over twenty different funding programs, and as many as ten different agencies to work with, getting funded can be a job in itself. Likewise, when grants are announced, a tribe may have only four to six weeks to design a project and write the proposal. This session will enable tribes to learn about each of the various funding sources and to see what a successful tribal proposal looks like for each of the different agencies. We will hear from the key federal agencies with healthy home funds (HUD, DOE, EPA, USDA), and will learn about the specific ways their grants can be used to improve the indoor environment.

Presenters: Erin Mader, US Environmental Protection Agency; David Vought, Housing and Urban Development; Brian Hirsch, Department of Energy; Chris Fish, Alaska Native Tribal Health Consortium
Moderator: Gillian Mittelstaedt, Tribal Healthy Homes Northwest

Realities of Kinetic Hydropower on Most of the Yukon River

Tikahtnu E

Details: This presentation is an overview of the design, construction, and operation of a kinetic hydro conversion system built for the Yukon River.

Presenter: Donald Eller, Yukon Tech Incorporated
Moderator: Pamela Bergmann, US Department of the Interior

12:00 p.m. - 1:45 p.m.

KEYNOTE EVENT

JASON F. MCLENNAN

CEO, International Living Future Institute

Tikahtnu Ballroom



Details: Considered one of the most influential individuals in the green building movement today, Jason F. McLennan's work has made a strong impact on the shape and direction of green building in the United States and Canada and he is a much sought after presenter

and consultant on a wide variety of green building and sustainability topics around the world.

McLennan serves as the CEO of the International Living Future Institute — a leading NGO that focuses on the transformation to a world that is socially just, culturally rich and ecologically restorative. Under the Living Future Umbrella, Jason operates the Cascadia Green Building Council, the Pacific Northwest's leading organization in the field of green building and sustainable development, The Natural Step USA and Ecotone Publishing.

Jason is the founder and creator of the Living Building Challenge, widely considered the world's most progressive and stringent green building program. His work in the sustainable design field has been published or reviewed in dozens of journals, magazines, conference proceedings, and books including: *Time Magazine*, *National Geographic*, *The New York Times*, *Architecture*, *Architectural Record*, *Dwell*, *Plenty*, *Metropolis*, *NY Times*, *The Globe and Mail*, *The World and I*, *Ecostructure*, *Greensource*, *Arcade and Environmental Design*, and *Construction Magazine*. He is the author of four books: *The Philosophy of Sustainable Design*, *The Dumb Architect's Guide to Glazing Selection*, *The Ecological Engineer* and *Zugunruhe*. *The Philosophy of Sustainable Design* has been used as a textbook in over seventy universities and colleges and is distributed widely throughout Europe, North America and Asia.

Youth Field Trip

Attention Youth, IGAP techs and Interested Others! Join us on a field trip to the Anchorage, Alaska Department of Fish and Game office. Wildlife genetics, spill response and solar power- all very very 'hot jobs' in Alaska. Get the behind the scenes look at what happens at the genetics lab at the Alaska Department of Fish and Game then meet a oil spill responder and find out what it takes to prepare for an oil spill while you assemble a 'Fastank' for skimming oil—next we'll learn how to get passive energy to Alaskans through solar and wind power.

We'll end the night with pizza and some fun at the Bear Tooth Theater in Anchorage. If you've ever wondered what you wanted to do after high school, this field trip might give you a clue or two.

**Van leaves the Den'ina Center at 3:15 PM, Tuesday February 7.
Please visit the Youth Booth on Monday, February 6, to sign up to join the field trip.**

Mining & Water Quality: Acid-rock Drainage and Dissolved Metals

Kahtnu 1

Details: This session explains what is acid-rock drainage - metals leaching at modern hard-rock mines. It describes alternative methods used in mining to control acid drainage and protect water quality.

Presenter: Bob Loeffler, University of Alaska, Anchorage
Moderators: Vivian Melde, Ecology & Environment, Inc.; Tami Fordham, US Environmental Protection Agency

A Superfund Site: Cleaning Up The Abandoned Historic Salt Chuck Mine in Southeast Alaska

Tikahmu C

Details: The Salt Chuck Mine, an abandoned historic mine on Prince of Wales Island in southeast Alaska, produced copper, gold, silver and palladium ore from 1905 to 1941. Studies have shown that elevated levels of hazardous substances such as copper, lead and mercury, and petroleum contamination, pose a threat to human health and the environment around the old mill, as well as the intertidal area.

The mine site area is managed as a mixed-ownership site under the Comprehensive Environmental Response, Compensation and Liability Act. The Environmental Protection Agency listed the site on its National Priority List, making it a Superfund site. Learn about the US Forest Service's cleanup of the mill area (or uplands) in 2011, as well as what the EPA is planning for its cleanup of the intertidal area.

Presenters: Michael Wilcox, US Forest Service; Jacques Gusmano, US Environmental Protection Agency; Neli Nelson, Organized Village of Kasaan; and Joe Sarcone, Agency for Toxic Substances and Disease Registry.
Moderator: Katharine Heumann, Alaska Department of Environmental Conservation

Solid Waste Funding Providers Group

Kahtnu 2

Details: Funders will give a brief presentation on their programs and will allow ample time for group discussion. The plan is to have the meeting in an informal setting.

Presenters: Misty Hull, US Department of Agriculture; Mary Fisher, Alaskans for Litter Prevention and Recycling; Mary Goolie and Santana Gay, US Environmental Protection Agency; and Ethan Birkholz, Alaska Department of Transportation
Moderator: Ted Jacobson, RuralCap

Funding for Tribal Climate Change Projects

Tubughnenq' 5

Details: This session's goal is to increase Tribal understanding of potential funding sources for climate change related projects. The target audience is Tribal leaders, their environmental staff, and others who work with Tribal environmental issues. Tribes are among those most impacted by climate change and this session is an opportunity to increase their knowledge of resources available to potentially help them address their issues. Presentations will include an overview of using Indian General Assistance Program (IGAP) funds to address climate issues and an introduction to the new Tribal Funding Guide for Climate Change that is being developed by Region 10 EPA. Presenters from other federal programs, including Administration for Native Americans and the Bureau of Indian Affairs, will be invited to share detailed information about their application process.

Presenters: P.J. Wilkins Bell, Alaska Summit Enterprises; John Antonio, Bureau of Indian Affairs Climate Change Program
Moderator: Michelle Davis; US Environmental Protection Agency

The Endangered Species Act in Alaska: Cooperative Conservation

Tubughnenq' 3

Details: This session will provide an introduction to cooperative conservation efforts in Alaska under the Endangered Species Act, specifically addressing work on the short-tailed albatross and the fishing industry; and the joint wood bison restoration efforts with the State of Alaska.

Presenters: Sonja Jahrsdoerfer, Judy Jacobs, and Marilyn Myers, US Fish & Wildlife Service
Moderator: Brad Dunker, Alaska Department of Fish and Game

College Success: Anytime, Anywhere

Tubughnenq' 4

Details: In this interactive session you'll discover ways to succeed as a student. Learn how to use technology tools like iPads, smart phones, and your computer to find useful resources. Preview college courses that you can take from wherever you are. Find out what you can do now to prepare for college, succeed in college, and earn your degree!

Presenters: Carol Gering and Chris Lott, University of Alaska, Fairbanks - Center for Distance Education
Moderator: Meg Burgett, Alaska Cooperative Extension Service

2:00 p.m. - 3:15 p.m. (cont.)

What Happened to My NEPA Comments?

Tikahtnu D

Details: How to make useful comments on National Environmental Policy Act (NEPA) documents, such as Environmental Assessments and Environmental Impact Statements. Ever wonder what happens to all those comments that get submitted to the government for various projects? What really happens to them? This session sheds light on how the comment process works, the best way to submit meaningful comments, and how your comments get tracked during the process.

Presenter: Ken Post, US Forest Service
 Moderator: Anna Kohl, HRD Alaska, Inc.

State Department of Homeland Security Rural Alaska Emergency Response Planning Initiative

K'enahtnu Board Room

Details: Come learn about the multi-agency effort to assist Alaska Native Villages to plan and prepare for emergencies.

Presenter: Jeff Enenga, State Department of Homeland Security
 Moderator: Cathy Villa, US Environmental Protection Agency

Oil Well Drilling and Wells

Tikahtnu E

Details: This presentation is an overview on how oil wells are drilled and the planning that goes into the effort to successfully drill a well. The presentation will include a description of drilling rigs, well control, geology, well types, drilling equipment and challenges to drilling in Alaska.

Presenter: Dennis Hartwig, ConocoPhillips Alaska, Inc.
 Moderator: David Harris, US Forest Service

3:30 p.m. - 4:45 p.m.

Coal Mining: Elements of a Coal Mine & Coal Mine Regulation

Kahtnu 1

Details: This session will take people on a visual tour of what a coal mine is, and how it affects the landscape during and after mining. It will include a discussion of how coal mines are regulated.

Presenter: Ed Fogels, Alaska Department of Natural Resources
 Moderator: Bob Loeffler, Institute of Social and Economic Research University of Alaska, Anchorage

An Inventory of Alaska's Eroding Landfills and Contaminated Sites, and Solid Waste Jeopardy

Kahtnu 2

Details: Coastal and river erosion has the potential to cause hazardous substances and garbage from Alaska's eroding landfills, contaminated sites and dump sites to go into the ocean and the state's rivers.

The Alaska Department of Environmental Conservation (DEC) has begun a 4-year \$1.4 million project to inventory and prioritize those sites and generate action plans. The project area covers Alaska's western coast from the Northwest Arctic Borough south, the Aleutians and river communities up to 300 miles upriver from the coast. Learn about the problem, the work of DEC's Solid Waste and Contaminated Sites programs in evaluating existing studies, identifying data gaps and prioritizing sites, plus future site visits and information gathering from local residents. Join us in the second half of the presentation for Solid Waste Best Management Practice's Jeopardy. It's a fun game that tests your solid waste knowledge.

Presenters: Susan Erben, Trisha Bower, Kitrina Persson, and Sandi Woods, Alaska Department of Environmental Conservation
 Moderator: Rebecca Colvin, Alaska Department of Environmental Conservation

Closed Meeting for Rural Alaska Children's Environmental Health Initiative Partnership (by invitation)

K'enahtnu Board Room

Details: The Rural Alaska Children's Environmental Health Initiative is a group over 15 partners working together to mitigate harmful exposures and to support healthy environments for children in rural Alaska, with a special focus on Alaska Native children. The Initiative has two active workgroups, Alaska Healthy Homes and Alaska Healthy Schools, both of which have been collaborating regularly for over a year. This Partnership meeting will provide an opportunity to meet in person to review the successes of the first year, strategically brainstorm for the next year, and expand participation.

Moderators: Mahri Lowinger, Erin Mader, and Margo Young, US Environmental Protection Agency

**Number of Earths: 1, Number of Humans:
7 Billion and Counting**

Tikahtmu C

Details: On October 31, 2011, the earth's human population reached 7 billion, according to the United Nations. While it took humanity tens of thousands of years to reach its first billion in 1830, the 7th billion was added in just 12 years. Some see this milestone as a mark of humanity's success in overcoming ancient scourges, while scientists and environmentalists measure and respond to its environmental implications. Even as demographers project that global population will continue to grow, reaching 9 billion by 2050 and 10 billion by 2100, certain scientists and futurists predict that before the century's end, population will have begun to fall, either voluntarily because of lower birthrates, or imposed by nature in the form of higher death rates.

Presenters: Leon Kolankiewicz, Mangi Environmental Group;
Paul R. Ehrlich, Stanford University (via video)
Moderator: Jerome Montague, Alaskan Command

**Participatory Democracy - Lessons in Engaging
Students in Community Leadership**

Tubughnenq' 4

Details: Things change, people change and the needs of a community change. Join us for this interactive and fun session that will introduce participants to the Project Learning Tree Places We Live and Project Wild Science and Civics curricula for students in Middle and High School. These lessons, which are also appropriate for community educators, can help you guide students through developing and implementing community investigations that focus on environmental, social and economic issues and to help students and other community members develop and strengthen their sense of place.

Presenters: Lilly Goodman-Allwright, Alaska Insights; Jim Sumner,
BLM Campbell Creek Science Center
Moderator: Brenda Duty, Alaska Department of Fish and Game

Incorporating Climate Change in NEPA Documents

Tubughnenq' 5

Details: The National Environmental Policy Act (NEPA) requires federal agencies to take a hard look at the environmental consequences of their proposed actions; however, many agencies are preparing NEPA documents with little or no analysis of greenhouse gas emissions (GHG) or the impacts of climate change on either the proposed action or the resources affected by the action. As policy makers continue to debate how agencies should address GHG emissions and climate change impacts under NEPA, practitioners cannot afford to wait for answers. This session will provide an update on the latest climate change policy, case law and scientific developments that influence NEPA analyses, and will provide recommendations for how best to address climate change in NEPA analyses.

Presenter: Michael Smith, ICF International
Moderator: Virginia Raps, Bureau of Ocean Energy Management

**Village Relocation Clinic at UW Law School:
A Proposal**

Tubughnenq' 3

Details: Presenters will discuss the proposal to create a special, brand new clinic at the University of Washington School of Law in Seattle to assist communities in Alaska (and in the Arctic at large) facing permanent relocation due to immediate and severe climate impacts.

At this session the presenters will share the proposal, gather initial reactions (especially from members of impacted villages), seek input on which services would be most valuable, and provide an opportunity for honest feedback on the proposal's feasibility. Presenters will use the feedback and input to strengthen, revise, and re-assess the value of a relocation clinic based at UW for villages faced with relocation.

This new climate justice clinic would be the first of its kind in the world, operating to provide legal and technical support to communities seeking relocation. Services might include legal counsel, grant writing, relocation policy initiatives and legislative drafting, environmental consulting, and scientific advising. The proposed clinic would ideally be a multidisciplinary clinic joining the resources and expertise of the UW School of Law and the College of the Environment as well as other departments including the College of the Built Environment. Home to the closest US law school to Alaska, and to one of the most reputable climate science institutions in the world, the University of Washington may be an ideal location for an Arctic Villages Relocation Clinic.

Presenters: Jen Marlow and Jeni Barcelos, Three Degrees Warmer
Moderator: Michelle Davis, US Environmental Protection Agency

Cooperative Conservation Efforts for Polar Bears

Tikahtmu D

Details: This session will focus on cooperative conservation efforts under the Endangered Species Act, specifically for polar bear conservation and recovery planning; and the polar bear Chukchi Sea research.

Presenters: Jim Wilder and Karyn Rode, US Fish & Wildlife Service
Moderator: Sonja Jahrsdoerfer, US Fish & Wildlife Service

**Hazardous Waste Identification and Handling for
Rural Alaska Villages**

Tikahtmu E

Details: This session will describe how to identify, categorize, consolidate, package, and ship hazardous wastes.

Presenters: Jon Jones and Ted Jacobson, US Environmental Protection Agency
Moderator: Santina Gay, US Environmental Protection Agency

MORNING KEYNOTE EVENT

DAVID J. HAYES
Deputy Secretary of the Department of the Interior
Tikahtnu Ballroom



Details: David J. Hayes was confirmed as Deputy Secretary of the Department of the Interior on May 20, 2009 by unanimous vote of the United States Senate. He was nominated for the position on February 27, 2009, after serving as a leader in President

Obama's Transition Team, heading the agency review process for the Department of Energy, Department of Agriculture, Department of the Interior and Environmental Protection Agency.

Deputy Secretary Hayes is the second highest ranking official at the Department of the Interior. By statute, he serves as the Department's Chief Operating Officer (COO) and has authority over all of the Department's bureaus and agencies. He is involved in implementing the Secretary's priorities for the Department, including promoting conservation initiatives such as the Administration's "America's Great Outdoors" agenda; encouraging renewable energy development on our public lands and offshore resources; developing conventional energy resources safely and responsibly; fulfilling our trust responsibilities to American Indians and Alaskan Natives; managing our nation's water supplies sustainably; and other matters relating to Interior's mission to conserve our nation's natural and cultural resources. Hayes co-chairs the Secretary's Energy and Climate Change Task Force; he played an instrumental role in settling the long-standing Cobell Indian trust litigation and is overseeing implementation of the settlement; he managed the team that responded to the Deepwater Horizon disaster in the Gulf of Mexico;

pursuant to President Obama's Executive Order, Hayes chairs the Administration's coordinating body for Arctic-related matters; and, in his COO role, he serves on the President's Management Council and is engaged in IT transformation and other management initiatives at the 70,000-employee Department.

Throughout his career, Deputy Secretary Hayes has been involved in developing progressive solutions to environmental and natural resources challenges. He previously served as the Deputy Secretary and Counselor to the Secretary of the Interior in the Clinton Administration. He worked for many years in the private sector where he chaired the Environment, Land and Resources Department at Latham and Watkins, an international law firm. He is a former chairman of the Board of the Environmental Law Institute; he was a consulting professor at Stanford University's Woods Institute for the Environment; he served as a Senior Fellow for the World Wildlife Fund, and was the Vice-Chair of the Board of American Rivers. Hayes has written and lectured widely in the environmental and natural resources field.

Hayes is a native of Rochester, New York. He graduated summa cum laude from the University of Notre Dame and received his J.D. from Stanford University, where he was an editor of the Stanford Law Review. He is the former Chairman of the Board of Visitors for Stanford Law School.

NOTES:

Youth Field Trip

Attention Youth, IGAP techs and Interested Others! Join us on a field trip to the Anchorage, Alaska Department of Fish and Game office. Wildlife genetics, spill response and solar power- all very very 'hot jobs' in Alaska. Get the behind the scenes look at what happens at the genetics lab at the Alaska Department of Fish and Game then meet a oil spill responder and find out what it takes to prepare for an oil spill while you assemble a 'Fastank' for skimming oil--next we'll learn how to get passive energy to Alaskans through solar and wind power.

We'll end the night with pizza and some fun at the Bear Tooth Theater in Anchorage. If you've ever wondered what you wanted to do after high school, this field trip might give you a clue or two.

Van leaves the Den'ina Center at 3:15 PM, Tuesday February 7.
Please visit the Youth Booth on Monday, February 6, to sign up to join the field trip.

High-Performance Buildings – Policies and Case Studies

Tikahtnu C

Details: The Federal government is the largest consumer of energy in the US and is leading by example to increase energy and water efficiency, reduce waste, and use environmentally-responsible products and technologies in Federal projects. The entire real estate market feels the effect of expectations for improved building performance and reduced operating costs set by Federal laws and regulations. This session will outline current Federal requirements for high-performance and sustainable buildings, explore case studies of green building projects and present innovative approaches to transformational change.

Presenter: Tom Marseille, WSP Flack & Kurtz
Moderator: Mark Masteller, Cascadia Green Building Council

Agency Regulatory Role in Permitting and Environmental Review of Large Mines

Tubughneq' 5

Details: Discussion will include a brief synopsis of the National Environmental Policy Act (NEPA) process, major permits that are typically required for a large mine, and the various Agency roles in making permitting decisions.

Presenters: Cindi Godsey, US Environmental Protection Agency; Tom Crafford, Alaska Department of Natural Resources
Moderator: Tami Fordham, US Environmental Protection Agency

Emergency Response Planning for Public Water Systems

Tubughneq' 3

Details: This session will explain ADEC's new emergency response planning requirements for community and non-community water systems. The session will demonstrate the importance of safe drinking water for public and environmental health during and after a disaster or emergency, and where to find emergency response planning tools for water systems in Alaska.

Presenter: Tyler Fanning, Alaska Department of Environmental Conservation
Moderator: Katharine Heumann, Alaska Department of Environmental Conservation

Practical Approaches for Flood Risks and Erosion

Kahtnu 1

Details: This session will contain two presentations: 1) Understanding, Defining, and Evaluating Your Erosion Problem - is intended to assist residents of Alaskan communities in understanding and evaluating erosion problems and alternative solutions to mitigate erosion problems; 2) Is there Safe Ground, Flood Risk Reduction? - What is the extent of flooding in Alaska? Overview of the National Flood Insurance Program (NFIP), who participates and what participation means. Can you consider flood risk reduction measures if you are not building in an NFIP participating community? How can I help to be prepared for flooding?

Presenters: Sally Russell Cox and Taunnie Boothby, Alaska Division of Community and Regional Affairs
Moderator: JR Herbst, US Environmental Protection Agency

Aggressive Plants, Fish, and Sea Squirts: Invasive Species in Fresh and Salt Water

Kahtnu 2

Details: This session will explore the issues with addressing three invasive species: (1) Elodea: help protect Alaska's fisheries and aquatic resources from this invader; (2) Kenai Peninsula Invasive Northern Pike Control Efforts; and (3) A highly invasive marine invertebrate: understanding and controlling D-vex, the invasive tunicate found in Sitka.

Presenters: Katrina Mueller and Cecil Rich, US Fish & Wildlife Service; Rob Massengill, Alaska Department of Fish and Game; and Marnie Chapman, University of Alaska Southeast Sitka
Moderator: Mary Stensvold, US Forest Service

Youth and Adult Environmental Project Showcase

Tubughneq' 4

Details: This session will highlight 4 exemplary environmental programs from around the state: Alaska Bear Festival Creativity Project, YCC Youth Video Project, Teeland Middle School River Rangers Program, and Begich Middle School Alternative Energy Group. The session will provide ideas for partners and funding sources, and explore successes, challenges, and lessons learned.

Presenters: Anne Elizabeth Prysunka, Wrangell; Wendi Castellon and Andie Wall, Kodiak NWR; Traven Apiki, Alaska Maritime NWR; Molly Bishop, Wasilla; Aden Haywood, Luke Jager, Bradley Mackin, and Megan Umphries, Anchorage; Carol Gering and Chris Lott, University of Alaska, Anchorage
Moderator: Danielle McClain, US Fish & Wildlife Service

9:00 a.m. - 10:15 a.m. (cont.)

Brownfields and Beyond

Tikahtnu E

Details: Come learn about Brownfields projects in Alaska and funding opportunities. Case studies from AK Brownfields Tribal Response Programs, ADEC's Reuse and Redevelopment Program, and US EPA.

Presenters: Susan Morales, US Environmental Protection Agency and John Carnahan, Alaska Department Environmental Conservation
 Moderator: Mary Goolie, US Environmental Protection Agency

EPA Proposed National GAP Guidebook: Inclusion of Tribes in Alaska

Tikahtnu D

Details: This session will be an opportunity for Alaska Tribes to hear about the draft Indian General Assistance Program (GAP) Guidebook, and get engaged in the discussion.

Presenters: Jo Ann Chase and Luke Jones, US Environmental Protection Agency
 Moderator: Santina Gay, US Environmental Protection Agency

Susitna-Watana Hydro Project

K'enakatnu Board Room

Details: This railbelt hydropower project, which is managed by the Alaska Energy Authority (AEA), is a critical component of the Alaska Legislature's goal of using 50% renewable energy resources for power generation in Alaska by 2025. By early 2012, AEA expects to have completed a number of public meetings, a stakeholder involvement and communication plan, and filed a Notice Of Intent and Pre-Application Document with Federal Energy Regulatory Commission to initiate the formal licensing process. These topics and others will be addressed in this AFE session.

Presenters: Bryan Carey, Alaska Energy Authority; Jan Konigsberg Hydropower Reform Coalition
 Moderator: Thomas Manson, ConocoPhillips Alaska, Inc.

10:30 a.m. - 11:45 a.m.

Reuse and Renovate – The Future of Alaska's Buildings

Tikahtnu C

Details: In the past, Federal funding has built much of the infrastructure and facilities across rural Alaska. However, this type of funding is anticipated to be reduced in the future thus limiting new construction. As our existing facilities age significant maintenance, renovation and repair projects become necessary. The State of Alaska is gearing up with several programs aimed toward making existing buildings more energy efficient. Targeted toward building operators, owners, occupants and designers, Mr. Waterman will present no to low cost energy saving strategies that can be implemented with little to no technology or construction work. For those entities that have limited initial funds to invest, we will cover how to get an Investment Grade Audit (IGA). For those ready to reap all the benefits of renovating to a higher level of energy efficiency, Mr. Waterman will cover simple payback, Life Cycle cost analysis, and the Ripple effect of energy efficiency efforts. For those starting new construction we will cover essential questions to ask your design team and items to focus on for the best bang for your buck.

Presenter: Scott Waterman, Alaska Housing Finance Corporation
 Moderator: Lauri Strauss, Cold Climate Housing Research Center

Tribal Government and Community Involvement in Agency Decision Making

Tubughnenq' 5

Details: A State and Federal Interagency panel will discuss various ways that tribal governments and communities can be involved in the Agency decision making process.

Presenters: Tami Fordham and John Herbst, US Environmental Protection Agency; Amanda Shearer, US Army Corp of Engineers; Miriah Twitchell, Alaska Department of Environmental Conservation; Earle Williams, Bureau of Land Management
 Moderator: Tami Fordham, US Environmental Protection Agency

Summary of Cook Inlet Lakes and Southeast Alaska Surveys

Kahtnu 1

Details: The Department of Environmental Conservation Alaska Monitoring and Assessment Program (AKMAP) completed a survey of Cook Inlet Lakes and Southeast Alaska coastal areas. This session will review field efforts, data analysis and final reports. A summary of current AKMAP projects including the 2011 Arctic Coastal Plain wetlands and 2010-2011 Chukchi Sea surveys will also be discussed.

Presenters: Doug Dasher and Terri Lomax, Department of Environmental Conservation
 Moderator: Tim Hoffman, State of Alaska

Changing Landscapes: Sea Ice, Snow and Permafrost in Alaska

Kahtnu 2

Details: How will changing snow and ice conditions affect you? Join this session to learn how the findings from a recent Snow, Ice, and Permafrost Hazards workshop will guide future research and collaboration state-wide. Provide your input on the design and development of a new digital Sea Ice Atlas created to aid Alaskan coastal communities, marine navigation, the military, industry, and researchers.

Presenters: Martin Truffer, Andy Mahoney and John Walsh, University of Alaska, Fairbanks
Moderator: Sarah Trainor, University of Alaska, Fairbanks

Climate Change: Our Voices, Sharing Ways Forward

Tikahtnu E

Details: This is a session where Tribal participants can discuss the impacts of climate change they are experiencing. The goal of this session is to create an opportunity for Tribal members and interested others to share their experiences with climate change, and to receive traditional guidance from a Tribal Elder. Alaskan Tribes are among the most impacted by climate change, and yet have few opportunities to share individual information and observations during many public forums. A respected Tribal Elder will moderate the session, sharing values and teachings that will reinforce participant's traditional ways of working with this issue. The goal of the session is to support Tribal participants through information exchange, networking and traditional guidance. The target audience is Tribal members, environmental staff and interested others. The session design will be simple with a welcome statement by the Elder speaker, then opportunities for tribal participants to share their experiences, concerns and successes.

Presenters: Wilson Justin, Mentasta Traditional Council; Victoria Hykes Steere, Alaska Pacific University
Moderator: Michelle Davis, US Environmental Protection Agency

Invasive Species: Help!

Tikahtnu D

Details: This session includes discussions on ways to deal with several invasive species in Alaska: (1) How to Keep an Invasive Grass from Choking Alaska's Waterways and Wetlands; (2) I found it, now what? Species to look out for and how to get help identifying and controlling invasive plants; and (3) Working with communities to control invasive species.

Presenters: Jeff Heys, US Fish & Wildlife Service; Gino Graziano University of Alaska Cooperative Extension Service; and Dana White, Alaska Association of Conservation Districts
Moderator: Pamela Bergmann, US Department of the Interior

Environmental Project Planning Toolkit

Tubughnenaq' 4

Details: This session will provide you with some tools for developing successful environmental programs in your community including locating funding, engaging youth and your community, and working with schools.

Presenters: Megan McBride, Alaska Youth for Environmental Action; Catherine Inman, Mat-Su Conservation Services; Peter Stortz, Cooperative Extension Service, University of Alaska; Carol Gering and Chris Lott, University of Alaska-Center for Distance Education
Moderator: Laurel Devaney, US Fish & Wildlife Service

EPA Region 10 Draft Tribal Consultation Procedures

K'enakatnu Board Room

Details: EPA has developed the draft EPA Region 10 Tribal Consultation Procedures in an effort to implement the EPA Policy on Consultation and Coordination with Indian Tribes, and to accommodate the unique consultation needs and practices of the federally recognized tribes located within Region 10. On December 5, 2011, EPA Region 10 offered consultation and coordination on the Procedures. This informational session on the Procedures will include a brief presentation and then be open for discussion with staff from EPA Region 10.

Presenters: Kate Kelly and JR Herbst, US Environmental Protection Agency
Moderator: Adrienne Fleek, US Environmental Protection Agency

Renewable Energy in Rural Alaska (Challenges and Opportunities)

Tubughnenaq' 3

Details: Statewide, less than 0.1% of electrical generation comes from wind, solar, biomass and geothermal. Rural communities are burdened with high energy costs with over 150 remote stand-alone electrical grids serving small villages. Renewable energy sources are proving to be a viable opportunity for many small Alaska communities. Challenges include: funding, integrating into a grid, cost to energy users, project turnaround times, and maintenance in remote locations. The panelist will look at how renewables are being used to reduce dependence on diesel, what are the current hurdles, and what are the regulatory issues and possible solutions for communities and utilities.

Presenters: Brian Hirsch, US Department of Energy; Meera Kohler, Alaska Village Electric Cooperative; Denali Daniels, Denali Commission; Sara Fisher-Goad, Alaska Energy Authority; and Chris Rose, Renewable Energy Alaska Project; Heather Zichal, Deputy Assistant to the President for Energy and Climate Change
Moderator: David Hayes, Deputy Secretary US Department of the Interior

12:00 p.m. - 1:45 p.m.

LUNCH ON YOUR OWN

2:00 p.m. - 3:15 p.m.

US Army Corps of Engineers and National Park Service step up Efforts in Green Building

Kahtnu 1

Details: This session will present two of the US largest government agencies recent efforts to increase sustainability in their buildings.

The Integrated Living Community pilot project for an army base in Missouri is a case study for a 20 year master plan to change the planning of all 280 American military installations to a state of net positive energy, net zero water, and net zero waste. The project reflects the specific requirement of the military in relation to sustainability, with an additional motivation for independent systems to withstand disasters. The research led to a holistic strategy from road planning and master plan level to building design and incorporating a diversification in energy supply, water supply and waste disposal, focusing on reduction and renewable sources.

Denali National Park's resident electrician will discuss the performance of four initiatives for conserving electricity at the Park's grid tied facilities as well as the off grid facilities, including: 1) Conversion to LED lighting, 2) Headbolt heater electric use reduction, 3) Photovoltaic power production and net metering, 4) Electricity and water utility metering. Learn about the tools the National Park Service uses to reduce energy consumption as stewards of the Parks that are entrusted to their care. This session focuses specifically on Jonathan's daily efforts to reduce the Park's carbon footprint.

Presenters: Jerry Ouzts, U.S. Army Corps of Engineers, Alaska District; Jonathan Fitch, Denali National Park
Moderator: Rebecca Shaffer, National Park Service

Scenes from Coming Attractions: Mineral Explorers and Developers

Kahtnu 2

Details: The developers of large advanced mineral exploration properties will provide an update on prior activities as well as their plans for coming years.

Presenters: Ken Taylor, Pebble Partnership; Rick Van Nieuwenhuysse, Novagold
Moderator: Bob Loeffler, University of Alaska, Anchorage

2:00 p.m. - 3:15 p.m. (cont.)

Exploring APDES Permits, Involvement Opportunities & Effective Public Comments

Tubughnenq' 3

Details: This session will discuss how to effectively be involved in the State of Alaska Department of Environmental Conservation (DEC) Alaska Pollutant Discharge Elimination System (APDES) program for wastewater permitting. The session will examine the wastewater permitting process and opportunities and resources for involvement. Discussion will center on an APDES permit and its components, developing effective comments on a draft permit, and reviewing available resources to aid involvement.

Presenters: Miriah Twitchell and Wade Strickland, Department of Environmental Conservation
Moderator: Theresa Svancara, Department of Environmental Conservation

Exploring Tools to Protect Communities and Prevent Conflict with Predators (Part 1 of 2)

Tikahtnu C

Details: In the last few years concerns have been raised over the safety of those in rural areas who live in close proximity to wolves and bears. Defenders of Wildlife has extensive experience working collaboratively with communities who demonstrate an interest in developing tools for preventing conflict with predators. We invite you to participate in this workshop to discuss living with wolves and bears and to share your ideas on how to prevent conflict. The conversation will focus on assessing community needs and evaluating proactive coexistence tools used in Alaska and elsewhere. This session will be followed by a facilitated discussion building upon the topics covered in part 1.

Presenters: Bobbi Anne Barnowski, Village of Old Harbor; Erin Edge, Defenders of Wildlife; Lem Butler, Alaska Department of Fish and Game
Moderator: Theresa Fiorino, Defenders of Wildlife

Bringing It All Together- Environmental Project Planner

Tubughnenq' 4

Details: This interactive session will introduce a planning sheet that will help you develop an environmental project from identifying the problem to finding funding and partners and celebrating your success.

Presenter: Laurel Devaney, US Fish & Wildlife Service
Moderator: Jessica Armstrong

2:00 p.m. - 3:15 p.m. (cont.)

Integrating the National Environmental Policy Act and Clean Water Act Section 404 Processes

K'enahtnu Board Room

Details: This session will cover the basics of the National Environmental Policy Act and Section 404 with an emphasis on how the two processes can be integrated for larger projects.

Presenters: Matt LaCroix, Gayle Martin and Jennifer Curtis, US Environmental Protection Agency

Moderator: Jennifer Brown, US Environmental Protection Agency

Tribal Input on Planning and Environmental Justice Community Leaders Summit (Part 1 of 2)

Tikahtnu E

Details: Following on the 2011 Alaska Forum Environmental Justice Inter-agency Working Group Session, this session initiates the development and planning of a future Alaska Community Leaders Institute.

Presenter: David Rivers, Medical University of South Carolina

Moderator: Melinda Downing, US Department of Energy

Making Renewable Energy Projects Within Reach for Alaska Native Villages

Tubughnenq' 5

Details: Energy efficiency and renewable energy projects do not have to be out of reach for rural Alaska communities. This session will outline some of the measures that can be completed on a small scale and implemented with local labor, with the involvement of the community and the Tribe.

Presenter: David Pelunis-Messier, Yukon River Inter-Tribal Watershed Council

Moderator: Adrienne Fleek, US Environmental Protection Agency

Milne Point Heavy Oil Pilot Project (CHOPS) Status Update

Tikahtnu D

Details: The North Slope of Alaska contains large reserves of heavy oil. Heavy oil is a high density crude oil which is difficult to bring to the surface and separate from produced sands. The Milne Point pilot project is a test of new drilling and production concepts referred to as Cold Heavy Oil Production with Sand (CHOPS). The pilot project has been running since April 2011 and this presentation will discuss the results and plans for 2012 and beyond.

Presenters: William Mathews and Josef Chmielowski, BP Alaska, Inc.

Moderator: David Harris, US Forest Service

3:30 p.m. - 4:45 p.m.

The Coast Guard Embraces Green Building

Tikahtnu D

Details: The US Coast Guard has successfully implemented the Leadership in Energy and Environmental Design (LEED) Rating Criteria for the construction of dozens of new facilities across the country over the past three years. In addition they have invested over \$200M in energy efficiency and renewable energy at their existing facilities largely through performance contracts. This has reduced their energy intensity over 20% for their entire real property portfolio. Implementation of LEED EB O&M is underway with plans to apply the criteria to hundreds of facilities.

Presenter: John Hickey, US Coast Guard

Moderator: Mark Masteller, Cascadia Green Building Council

GPS Mapping for Geographical Information Systems on a Budget

Tubughnenq' 4

Details: This session will teach participants how to use inexpensive recreational Global Positioning Satellite (GPS) receivers to create a geographical information system (GIS) data.

GPS receivers designed to collect GIS data can be prohibitively expensive and complex for many grass roots organizations to utilize. This session will teach participants how to use inexpensive recreational GPS receivers to collect GIS data for use with Environmental Systems Research Institute (ESRI) software. Topics include GPS mapping strategies for improving accuracy, freeware sources for managing GPS data, converting tracks and waypoints to shapefiles, creating shapefiles, editing shapefiles and more.

Presenter: Stephen C. Brown, University of Alaska, Fairbanks

Moderator: Cathy Villa, US Environmental Protection Agency

NOTES:

Afternoon

February 7

TUESDAY

3:30 p.m. - 4:45 p.m. (cont.)

Climate Change and Public Health
Tubghnenq' 3

Details: This session will explore the connections between climate change and human health and discuss efforts to better understand those connections. Three presentations will be made: 1) So what did climate change do in Alaska? Climate events in 2011 - The Year in Review; 2) Public Health Methodological Considerations for Alaska; and 3) Overview of Alaska Public Health Issues

Presenters: Mike Brubaker, Alaska Native Tribal Health Consortium; Tenaya Sunbury and David Driscoll, Institute for Circumpolar Health Studies; Louisa Castrodale, Alaska Department of Health and Social Services
Moderator: Tenaya Sunbury, University of Alaska

Exploring Tools to Protect Communities and Prevent Conflict with Predators (Part 2 of 2)
Tikahmu C

Details: During the second part of this workshop we will hold a facilitated discussion with presenters and participants in order to build upon those topics covered in part 1. The goal of part 2 will be to examine how various coexistence tools might be applied to rural communities in Alaska. Following the workshop, representatives from Defenders of Wildlife will work with an interested community to develop a pilot project aimed at testing these tools.

Presenters: Bobbi Anne Barnowski, Village of Old Harbor; Erin Edge, Defenders of Wildlife; Lem Butler, Alaska Department of Fish and Game
Moderator: Theresa Fiorino, Defenders of Wildlife

Tribal Input on Planning an Environmental Justice Community Leaders Summit (Part 2 of 2)
Tikahmu E

Details: (Part 2 of 2) Following on the 2011 Alaska Forum Environmental Justice Inter-agency Working Group Session, this session initiates the development and planning of a future Alaska Community Leaders Institute.

Presenter: David Rivers, Medical University of South Carolina
Moderator: Melinda Downing, US Department of Energy

Renewable Energy Fund Projects and Alaska Renewable Energy Review
Kahtnu 1

Details: By February 2012 Alaska Energy Authority will have made its Round 5 funding recommendations to the Legislature. This session will include a review of projects in progress, delineated by project phase (pre-feasibility, feasibility, design and permitting, construction), as well as discussion of the latest round of projects and AEA's recommendations.

Presenter: Peter Crimp, Alaska Energy Authority
Moderator: Bud Rice, National Park Service

Starting a Research Project to Study Local Environmental Issues
Kahtnu 2

Details: Carefully addressing local environmental issues generally requires accurate data collection and analysis to be used in decision making. Such research projects are often demanding and complex but they can be made more doable when taken in small phases that follow standard procedures. Further, much of these data can be collected with local resources and volunteers such as the dead bird beach surveys conducted by COASST. This session will discuss how to get started collecting the important data to help address local issues and look at successful small scale research projects conducted by communities.

Presenters: Dan Bogan, University of Alaska, Anchorage; Susan Flensburg, Bristol Bay Native Association; Jane Dolliver, University of Washington COASST Program; and Todd Radenbaugh, University of Alaska, Fairbanks
Moderator: Todd Radenbaugh, University of Alaska, Fairbanks

NOTES:

8:00 a.m. - 8:45 a.m.

MORNING KEYNOTE EVENT

DENNIS MCLERRAN
US Environmental Protection Agency
Regional Administrator

Tikahtnu Ballroom



Details: Back by popular request, please join us for an exceptional Keynote Event with Dennis McLerran at the Alaska Forum on the Environment, 2012.

Dennis McLerran, US Environmental Protection Agency (EPA) Regional Administrator,

was appointed by President Barack Obama to serve as the Regional Administrator (RA) for Region 10, leading a staff of 650 employees, with responsibility for an annual budget of \$500 million. He was sworn in on February 22, 2010.

As RA, Dennis oversees the implementation and enforcement of the federal environmental rules and regulations in the states of Washington, Oregon, Idaho, and Alaska, including 271 tribal governments in the Pacific Northwest and Alaska.

Before moving to EPA, Dennis served as Executive Director of the Puget Sound Clean Air Agency, a state chartered regional agency that adopts and enforces air quality standards that protect the health of 3.5 million Washington residents. As Executive Director, he led the development of an innovative strategy to reduce emissions at the ports of Seattle, Tacoma and Metro Vancouver. Prior to that, he served as City Attorney for the City of Port Townsend and Director of the Seattle Department of Construction and Land Use. Dennis has over 20 years experience as an advocate, attorney and administrator.

Dennis received his bachelor's degree from the University of Washington and a J.D. from the Seattle University School of Law.

9:00 a.m. - 10:15 a.m.

Introduction and History to Green Building and Environmental Issues

Kahtnu 1

Details: With a focus on commercial and public facilities in cold climates, this session will cover the basic concepts and history of the green building movement, both nationally and in Alaska.

Presenter: Mark Masteller, Cascadia Green Building Council
Moderator: Dena Strait, Alaska Housing Finance Corporation

Aleutian Islands and Cook Inlet Risk Assessments

Kahtnu 2

Details: This session will include discussions of the Aleutian Islands Risk Assessment Project, Phase A Summary Report and what is next; and the Cook Inlet Risk Assessment Project.

Presenters: Tim Robertson, NUKA; Ed Page, Marine Exchange of Alaska; Gary Folley, Alaska Department of Environmental Conservation
Moderator: Mike Munger, Cook Inlet Regional Citizens' Advisory Council

Water Quality Sampling in Rural Alaska

Tubughnenq' 3

Details: This session will introduce water quality instruments and sampling protocols to collect high quality water quality data.

Presenters: Carol Thomas and Leah Mackey, Yukon River Inter-Tribal Watershed Council
Moderator: Ryan Toohey, Yukon River Inter-Tribal Watershed Council

National Climate Assessment: Indigenous and Tribal Technical Inputs into the Climate Assessment Process and the 2013 Report to Congress and the President

Tubughnenq' 4

Details: The goals of this session are to 1) Inform about the National Climate Assessment (NCA) process and discuss the process for providing technical inputs; 2) Provide a venue to solicit technical inputs from Alaska Natives to be considered in the NCA process.

Presenters: Dr. Bull Bennett, National Climate Assessment Development and Advisory Committee; Patricia A.L. Cochran, Alaska Native Science Commission; Nancy G. Maynard, NASA Goddard Space Flight Center; Robert Gough, Intertribal Council on Utility Policy
Moderator: Michelle Davis, US Environmental Protection Agency

Mornings

February 8

WEDNESDAY

Old Copper Valley School Brownfield Site

Tubughnenq' 5

Details: Brownfields are a very real concern in rural Alaska. Often these lands are contaminated, abandoned, underused, and a source of blight in the community. The overall health of a community is negatively impacted. Brownfield sites are abandoned or underutilized properties, the expansion, redevelopment, or reuse of which may be complicated by the presence or perceived presence of contaminants. The Old Copper Valley School, located in the center of the Native Village of Tazlina, has been identified as a brownfield site. This school was built in 1954 and was once a thriving center of the community. In 1976, the school burned to the ground. The ruin spans over 20 acres and is located along the Copper Valley River. This presentation will trace exposure pathways at this site and highlight efforts to re-purpose this land.

Presenters: Kimberly J Smith, Alaska Native Tribal Health Consortium; Willard Hand, Copper River Native Corporation
 Moderator: Mary K. Goolie, US Environmental Protection Agency

EPA Bristol Bay Watershed Assessment Update

Tikahtnu C

Details: The US Environmental Protection Agency (EPA) is conducting a scientific analysis of the Bristol Bay watershed in order to understand how future large-scale mining development may affect water quality and the salmon fishery. The information gathered will help guide agency actions to protect the waters and promote sustainable development. EPA efforts are focused primarily on the Nushagak and Kvichak watersheds, that are not currently protected as parks or wildlife refuges. The process includes scientific peer review, tribal consultation, federal and state agency participation, as well as public and industry input. During the session, EPA Project Manager Rick Parkin will provide a brief overview and status report about the watershed assessment, followed by questions and discussion.

Presenter: Rick Parkin, US Environmental Protection Agency
 Moderator: Tami Fordham, US Environmental Protection Agency

**Local Environmental Observer (LEO) Network:
 Bridging the GAP**

Tikahtnu D

Details: The EPA General Assistance Program, Local Environmental Observer (LEO) program has caught on among a wide network of Tribal Environmental Directors in Alaska, and has many applications for agencies and organizations alike. Come learn more!

Presenters: Mike Brubaker and Moses Tcheripanoff, Alaska Native Tribal Health Consortia
 Moderator: Santana Gay, US Environmental Protection Agency

Sustainability: Planning and Communications

Tikahtnu E

Details: In this session 3 presentations on sustainability will be made: 1) Incorporating sustainability within local community plans: A discussion of the various methods and practices for including sustainability within local community plans with examples from other communities; 2) Communication that works for sustainability: this talk will address means to communicate sustainability science to the general public and policy makers; 3) Not in my Tank! How local action can have global effects: Do you know what an externality is and what role it plays in your life? Have you ever wondered why gas is so cheap in the US and expensive in Europe? Join us in exploring these questions and more, as we examine gasoline market economies, their local to global effects, and possible directions to take in the future.

Presenters: John Duffy, Natural Resources and Sustainability; Richard Hum, Resilience and Adaptation Program; Dominique Pride, Natural Resource and Sustainability Program; and Britta Schroeder, University of Alaska, Fairbanks.
 Moderator: John Duffy, University of Alaska, Fairbanks

**Distance Delivered Science Laboratory Courses
 for Rural Alaska**

K'enakatnu Board Room

Details: The University of Alaska has a mandate to provide access to higher education to all Alaskans. One major tool to bring higher education to rural Alaskans is the use of modern online learning techniques that allow student to learn while remaining in their home communities. For many courses these e-learning methods have proved successful. However, all certificates and degrees require one or more core science classes. These core science classes include laboratory-based exercises and investigations. These investigations require hands-on exercises that are difficult to recreate by distance. This session will discuss methods and techniques used to teach core science courses by distance such as online exercises, shipping lab supplies, and lab intensives

Presenters: Dr. Claudia Ihl, Dr. Tom Marsik, Dr. Richard Collins, Dr. Todd Radenbaugh, and Chris Lott; University of Alaska, Fairbanks.
 Moderators: Dr Richard Collins and Dr. Todd Radenbaugh; University of Alaska, Fairbanks

**Understanding Building Energy Use/
Building Behavior**

Kahtnu 1

Details: Focusing on commercial and public facilities in cold climates, this session outlines how buildings use energy, and how design, operations, maintenance and occupants all play a role in a building energy use.

Presenter: Dena Strait, Alaska Housing Finance Commission
Moderator: Mark Masteller, Cascadia Green Building Council

Oil Spill Response Preparedness in the Arctic

Kahtnu 2

Details: With increased maritime activity throughout our northern regions, this panel will discuss current and future oil spill response preparations.

Presenters: Tim Robertson, NUKA Research and Planning; Capt. Kathleen A Duignan, US Coast Guard; Paul Kluckner, Environment Canada
Moderator: Alan Sorum, Prince William Sound Regional Citizens' Advisory Council

Water Quality Exchange Spatial Viewer

Tubughnenaq' 3

Details: This session will describe what a Water Quality Exchange is, how it relates to a network node and to EPA, and how Seldovia Village Tribe has implemented its own network node and what it is doing with it. Participants will be provided resources regarding funding opportunities to create their own network node.

Presenter: Tracie Merrill, Seldovia Village Tribe
Moderator: Michael Opheim, Seldovia Village Tribe

**Mercury in the Environment - An Introduction to
Sources, Exposure and Health in Alaska**

Tikahtnu D

Details: The purpose of the session is to inform people who are potentially exposed to mercury in the environment of the basic chemistry of mercury in the environment, the sources of mercury (natural and human generated), the way in which people may come in contact with mercury (including customary and traditional subsistence practices), when mercury exposure can become a human health concern, what mercury levels are being found in the environment in Alaska, and what can be done to educate people to reduce mercury exposures.

Presenters: Paul Schuster, US Geological Survey; Robert Gerlach, Alaska State Veterinarian; and Nim Ha, Alaska Division of Public Health
Moderator: Joe Sarcone, Agency for Toxic Substances and Disease Registry

Air Quality Studies in Rural Alaskan Communities

Tubughnenaq' 4

Details: In December 2010, the Alaska Native Tribal Health Consortium (ANTHC) announced a competitive funding opportunity for federally recognized tribes within Alaska to carry out air quality projects in rural tribal communities. Three proposals were awarded including Aleknagik Traditional Council, Nunakauyak Traditional Council and Pedro Bay Village Council. Two projects were Indoor Air Quality (IAQ) studies in Aleknagik and Pedro Bay. The IAQ projects included home surveys, measurement of IAQ conditions with survey instruments, education and outreach. Toksook Bay completed a road dust project that included posting new speed limit signs, education & outreach, daily observation of dust conditions and spraying water on the roads to control dust.

This presentation will include reports of each project's goals, accomplishments, lessons learned and recommendations for villages interested in similar work. A summary of the overall cooperative agreement project deliverables and a discussion on the benefit of having a technical resource at ANTHC for consultation will be given. Additionally, the fiscal year 2012 cooperative agreement awards will be announced.

Presenter: Chris Fish, Alaska Native Tribal Health Consortium
Moderator: Win Westervelt, CH2M HILL

**Youth Environmental Programs under the General
Assistance Program**

Tikahtnu C

Details: Come and learn about the possibilities for developing youth environmental programs under your EPA Indian General Assistance Program Grant.

Presenters: Toby Anungazuk, Jr. and Deborah Anungazuk, Golovin Youth Program; Chignik Eskimo Community; Dennis Nickerson, Native Village of Kasaan
Facilitator: Santana Gay, US Environmental Protection Agency

**EPA Environmental Justice Collaboration and
Policy Talking Circle**

Tubughnenaq' 5

Details: In this session, a summary update will be provided by the facilitator on EPA environmental justice activities over the past year.

Moderators: Tami Fordham, US Environmental Protection Agency; Jacqueline Shirley, Zender Environmental Health and Research Group

10:30 a.m. - 11:45 a.m. (cont.)

Alaska Food Production Systems and Security

Tikahnu E

Details: This session will offer 3 presentations on food sustainability and security: 1)Envisioning alternative food production systems for interior Alaska: An exploration of various alternative forms of agriculture and their potential application for rural communities of interior Alaska; 2)Food security and reindeer on the Alaska Peninsula during the early 20th-century: An exploration of food security on the northern Alaska Peninsula during the early 20th century, how it relates to the introduction, spread, and decline of reindeer there, and identify key questions to be addressed by future research in this area; 3)Sustainability and village food systems: A look at the vulnerabilities and strengths of a rural Alaska village food system as they respond to rapid change as a result of climate and social change.

Presenters: Matthew Springer, Odin Miller and Judy Ramos, University of Alaska, Fairbanks

Moderator: John Duffy, University of Alaska, Fairbanks

Environmental Education for Sustainable Energy

K'enakatnu Board Room

Details: This session discusses environmental education needed to reduce our consumption of non-renewable energy. It demonstrates how sustainable energy education plays a significant role in solving many energy related problems, such as diminishing supplies of fossil fuels and associated costs. If you want to be a part of the solution, come to this session and learn about sustainable energy educational activities in Alaska. It will include presentations and discussions on existing efforts, emerging programs, current needs, possibilities for collaboration, and more.

Presenters: Chris Rose, Renewable Energy Alaska Project; Tom Marsik, University of Alaska, Fairbanks; and Scott McKim, Begich Middle School

Moderator: Dr. Tom Marsik, University of Alaska, Fairbanks

12:00 p.m. - 1:45 p.m.

LUNCH ON YOUR OWN

NOTES:

2:00 p.m. - 3:15 p.m.

The Economics of Energy Efficiency - Financial Costs and Benefits

Kahtnu 1

Details: Focused on commercial and public facilities in cold climates, this session covers the financial aspects of actions that reduce building energy use, including return on investment, incentive programs, and market transformation.

Presenter: Dena Strait, Alaska Housing Finance Corporation
Moderator: Mark Masteller, Cascadia Green Building Council

Area Contingency Planning for Oil Spill Response in Alaska

Kahtnu 2

Details: This discussion will include Designing and Conducting Value-Based Exercises.

Presenters: Dale Gardner and Sharry Miller, Alaska Department of Environmental Conservation; Nick Knowles, US Environmental Protection Agency; and Roy Robertson, Prince William Sound Regional Citizens' Advisory Council
Moderator: Linda Swiss, Prince William Sound Regional Citizens' Advisory Council

Community Gardens in Alaska: Lessons Learned

Tubughnenq' 3

Details: This session will discuss the possibilities and common pitfalls of Community Gardening efforts and reasonable expectations for local gardens based on case studies from around the state.

Presenter: Leif Albertson, University of Alaska, Fairbanks
Moderator: Klaudia Jo Klaudi, Knik Tribal Council

NOTES:

Coastal Mapping Projects

Tikahtnu C

Details: This session will discuss 2 ongoing projects on Geomapping. The Imagery Basemap and Elevation Model project will produce a common basemap and information service for all coastal areas within the State of Alaska with three primary products: 1) ortho-rectified imagery; 2) updated digital elevation model; and 3) the ability to overlay current permits, land authorizations, hazards, ShoreZone oblique photography, and other mapped themes.

Approximately 6,600 miles of Alaska's coastline and many low-lying areas along the state's rivers are subject to severe flooding and erosion. Per a 2004 report by the United States General Accounting Office, 184 out of 213 of Alaska Native villages are affected by erosion. The Geohazards Evaluation and Geologic Mapping for Coastal Communities project collects necessary field data to produce and publish surficial and engineering-geologic/hazards maps of Alaska coastal communities. The maps produced by this program will identify local natural hazards and other geologic factors that must be considered in the siting, design, construction, and operations of development projects to ensure protection of human life, property, and the coastal environment.

Presenters: Dayne Broderson, University of Alaska Fairbanks – Geographic Information Network of Alaska; Nicole Kinsman, Alaska Division of Geological & Geophysical Surveys
Moderator: Sylvia Kreeel, Alaska Department of Natural Resources

A Talking Circle on Contaminants in Your Environment: An Opportunity to Voice Your Thoughts and Concerns

Tubughnenq' 5

Details: Contaminants can enter the environment from a number of sources. In Alaska these may include: abandoned and active mine sites, former and active military sites, oil spills, and uncontrolled, open dump sites. Environmental contaminants can impact human health and traditional subsistence practices. This traditional talking circle format will be an opportunity for Alaska Tribes, environmental professionals, agencies, and community groups to share information about contaminants issues and solutions for rural Alaska.

Talking Circle Host: Cathy Villa, US Environmental Protection Agency
Facilitator: Joe Sarcone, Agency for Toxic Substances and Disease Registry

Afternoon

February 8

WEDNESDAY

In-Situ Chemical Oxidation of Petroleum-Contaminated Soil and Groundwater

Tikahtnu D

Details: This session will present two case studies where In-Situ Chemical Oxidation (ISCO) is being used to remediate petroleum-contaminated soil and groundwater.

Contaminant Source Mitigation Using Ozone Injection for In-Situ Chemical Oxidation in a Sub-Arctic Environment - Ozone gas is being used as a source control measure for petroleum-impacted deep vadose zone soils (i.e., 140 to 180 feet below ground surface) at Fort Greely, Alaska. The site, known as BRAC Site 94, has soil and groundwater contaminated with petroleum that is attributed to a former fuel storage facility. It is estimated that at least 94,000 gallons of diesel fuel remain in-situ. To the best of our knowledge, the ozone remediation treatment system represents the largest application of ozone gas used for environmental remediation purposes in the world. The system is now fully functional and operating; however, many lessons have and are being learned.

A Case for In-Situ Chemical Oxidation of Residual Diesel in Nome - Sites in the high arctic rarely reach more than 1 or 2 °C at the water table, warm enough for measurable biodegradation of hydrocarbons but too cold for remediation at a useful rate. ISCO offers an alternative, using chemical brute force to oxidize contaminants rapidly even at low temperature. Results of laboratory and field testing of activated sodium persulfate on smear-zone diesel at the former West Nome Tank Farm in Nome, Alaska, are promising. Injection is practicable, the aromatic fuel constituents declined measurably, and metals were not mobilized. Complete oxidation would be costly and time-consuming, but the preferential oxidation of aromatics may result in adequate risk reduction after only a few treatments.

Presenters: Simon Mawson, Sivuniq, Inc.; Jonathan Jones, Integrated Environmental, Inc.; David Ward, Jacobs Engineering
Moderator: Fred Vreeman, Alaska Department of Environmental Conservation

NOTES:

Local Actions and Global Effects

Tikahtnu E

Details: Three presentations are offered during this session: 1) Approaches for studying the future of Alaska tourism in a changing world: What matters most? Climate change and globalization are expected to influence the future of Alaska tourism in different ways; this presentation will propose multiple approaches for studying the system and seek input on stakeholder priorities; 2) Waste management in Interior Alaska's largest city: Raise awareness about the importance of waste management, and highlight waste management initiatives occurring in Fairbanks; 3) An overview of Rain Gardens and LID/Stormwater management using Green Infrastructure with an overview of a pilot project in the Matanuska-Susitna Borough.

Presenters: Kevin Hillmer, Resilience and Adaptation Program; Samantha Straus, University of Alaska, Fairbanks; and Catherine Inman, Mat-Su Conservation Services.

Moderator: John Duffy, University of Alaska, Fairbanks

Shaping Fisheries: Skills for Participating in the Public Process

K'enahtnu Board Room

Details: Subsistence and commercial fisheries are the backbone of the economy in most Alaskan rural communities. Alaska has one of the most far-reaching, grassroots system of public input to subsistence and commercial fisheries management through the Federal subsistence board process and the Alaska Board of Fisheries. Key to their success is strong, clear, informed, and detailed input from the public on what they feel is important in keeping fish stocks healthy and fish harvest allocations fair and sustainable. This session will talk about how Alaskans across the state can participate in the public process - both in person and in writing. It includes best practices on what makes public testimony convincing, how to participate and when to do it, and what is the best way to make a point in 3 minutes. At the end of the workshop, you will have learned some simple steps to prepare and deliver meaningful public testimony and had a chance to practice it.

Presenters: Steve MacLean, North Pacific Fishery Management Council; Pete Probasco, US Fish & Wildlife Service; Sherry Wright, Alaska Department of Fish and Game; Bill Brown and Joel Doner, Board of Fisheries

Moderators: Paula Cullenberg, Alaska Sea Grant Marine Advisory Program; Todd Radenbaugh, University of Alaska Fairbanks

Policy and Codes That Support Efficiency

Kahtnu 1

Details: How can policies and codes support efforts to improve energy efficiency in our buildings? This session will cover the role of codes and policies, current federal and state policies, the importance of measuring and "benchmarking" energy use, and examples of innovative state and local codes/policies.

Presenter: Mark Masteller, Cascadia Green Building Council
Moderator: Dena Strait, Alaska Housing Finance Corporation

Shorezone Mapping

Kahtnu 2

Details: An introduction to Shorezone mapping, how to access the information and how it can be used in oil spills or drills.

Presenters: Sue Saupe, Cook Inlet Regional Citizens' Advisory Council; Mandy Lindeberg, National Marine Fisheries Service, Auke Bay Laboratory; Carl Schoch
Moderator: Joe Banta, Prince William Sound Regional Citizens' Advisory Council

Environmental Restoration Efforts at Federal Sites in Alaska

Tubughnenq' 3

Details: This session will provide an opportunity for the Air Force, Army, Navy, and Federal Aviation Administration to present information on cleanup projects at federal sites in Alaska. The discussion will address progress that has been made in the past year to accomplish remediation goals.

Presenters: Steve Mattson and Mark Prieksat, US Air Force; Justin Peach, US Navy; Ken Andraschko, US Army Corps of Engineers; Scott Berglund, Federal Aviation Administration
Moderator: Jeff Andrews, US Army

Residential Indoor Air Quality in Rural Alaskan Homes

Tubughnenq' 5

Details: Because residents of rural and remote Alaska bear a very high burden of respiratory disease, this session makes use of available research, as well as field experience, to describe and prioritize the health impacts of indoor air quality most commonly experienced by rural Alaskans.

Presenter: Leif Albertson, University of Alaska, Fairbanks
Moderator: Theo Garcia, Knik Tribal Council

National Climate Assessment: Alaska Technical Report

Tubughnenq' 4

Details: National Climate Assessment (NCA) is produced every 4 years by the US Global Change Research Program (USGCRP). The USGCRP, under the Global Change Research Act of 1990, is mandated to deliver a status report to the President and Congress that evaluates, integrates and interprets the findings of their \$2.6 billion federal research program on global change. The NCA aims to integrate new information on climate science into the context of larger social, ecological, and policy systems. It will provide a current report of climate change impacts and vulnerability, evaluate the effectiveness of mitigation and adaptation activities, identify knowledge gaps, and help the federal government prioritize climate science investments. It will provide the science that can be used by communities around our Nation to create a more sustainable and environmentally-sound plan for our future. Alaska has been identified as one of 8 Regional Assessments to be included in the 2013 NCA. The purpose of the presentation is to provide a brief background on the NCA, present a draft of the 2013 Alaska Technical Report, and seek public feedback.

Presenters: Carl Markon, US Geological Survey; Sarah Trainor, Alaska Center for Climate Assessment and Policy
Moderator: Carl Markon, US Geological Survey

Climate, Game Management & Subsistence Hunting

Tikahtnu E

Details: Two presentations will be offered at this session: 1)An overview of past predator management efforts in Interior Alaska: A history of Predator Control in Interior Alaska: Perspectives from the past 35 years; 2)Changing Daily Wind Speeds: Implications for a subsistence hunting system: The results of a multi-disciplinary study quantifying changes in daily wind speeds, and its effects on subsistence hunting opportunities in the community of Wainwright, Alaska

Presenters: Casey Brown and Winslow D. Hansen, University of Alaska, Fairbanks
Moderator: John Duffy, University of Alaska, Fairbanks

3:30 p.m. - 4:45 p.m. (cont.)

Wildlife Habitat Projects in Coastal Alaska

Tikahtnu C

Details: This session will provide an opportunity to learn about three on-going Arctic projects funded through the Coastal Impact Assistance Program:

(1) Evaluating the Distribution and Status of Polar Bears to Improve Oil and Gas Mitigation in the Chukchi Sea. Information on the status of this population has become of increased importance due to recent declines in sea ice habitat, implementation of a treaty with Russia to jointly manage this population, and oil and gas exploration activities. This study is using capture-recapture to assess the potential response of this population to declining sea ice habitat, evaluate movement patterns, distribution, and habitat selection relative to areas of oil and gas exploration and development, and examine body condition, reproduction, and other indices to aid in identifying levels of sustainable harvest.

(2) Assessment of the biotic and abiotic factors influencing the Ikpikpuk River Delta. Erosion has increased because permafrost is warming, sea ice is diminishing, and sea level is rising. Increased oil and gas interest in marine areas also increases the risk to coastal areas. This area is home to the largest Lesser Snow Goose colony in Alaska. This study will help to provide a better understanding of the interactions among erosion, flooding, river channel migration, and grazing by snow goose.

(3) Biology and Health Assessment of Arctic marine mammals. The Beaufort and Chukchi seas are important for marine mammals and subsistence hunters. Concurrent with a rapidly changing environment, human activities, such as oil and gas and commercial shipping, are also increasing. In order to mitigate impacts and develop long-term predictions and management plans for marine mammals, information is needed to assess how these animals are responding to the changing Arctic.

Presenters: Karyn D. Rode, US Fish & Wildlife Service; Brian Person and Robert Suydam, North Slope Borough Department of Wildlife Management

Moderator: Sylvia Kreeel, Alaska Department of Natural Resources

Promoting Rural Environmental Workforce Development Through Internships

K'enaikatnu Board Room

Details: This session highlights many of the successful internship programs offered across rural Alaska by federal, state and private agencies. It then links the importance of place-based rural internships with workforce development with discussions from mentors and interns.

Presenters: Sheila Cameron, Alaska Department of Fish and Game; Brenetta Beltz, University of Alaska, Fairbanks; Nora Gecan and Brenden Anders, Alaska Conservation Foundation

Moderator: Todd Radenbaugh, University of Alaska, Fairbanks

Water Quality and Permafrost Monitoring Programs in Alaska Communities: Local Knowledge With Global Implications

Tikahtnu D

Details: The Yukon River Inter-Tribal Watershed Council (YRITWC) is a consortium of 70 Alaskan Tribes and Canadian First Nations that live within the Yukon River Basin. Projects are underway that focus on water quality and permafrost monitoring. Water quality parameters were collected at 45 sites during 2001-2010. Since 2009, monitoring of the active layer of soil above permafrost occurs at 20 locations throughout the watershed. Preliminary data and analysis from the water quality and permafrost studies will be presented.

A second presentation will then offer practical, low-cost methods of monitoring the condition of permafrost and some of the impacts communities may experience as their permafrost thaws. This information is aimed at helping rural communities to better understand, document, and report local permafrost change. Accumulating and communicating baseline data and evidence of change are essential for securing funding, planning, and implementing strategies for successfully adapting to thawing permafrost.

Presenters: Ryan Toohey, Yukon River Inter-Tribal Watershed Council; Allison Woodward, University of Alaska, Fairbanks

Moderator: Win Westervelt, CH2M HILL

4:30 p.m. - 7:30 p.m.

EVENING SOCIAL EVENT

Regional Tribal Operations Committee and UAF-Cooperative Extension Service

Tikahtnu Ballroom

Details: (see pg.44) Join us for an informal evening social co-hosted by the Regional Tribal Operations Committee (ROTC) and the UAF-Cooperative Extension Service (CES). Take advantage of this opportunity to interact with the ROTC Advisory members and learn how CES assists rural Alaskans with issues on energy, health, food safety and security, climate change, youth development, and economic development. Enjoy appetizers and local entertainment as well as a short keynote presentation. The annual Elianak Environmental Excellence Award will be presented. Extension faculty and staff will provide displays and demonstrations of projects.

Welcome remarks by ROTC Co-chairs Violet Yeaton, Port Graham Tribal Council and Rose Kalistook, Orutsaramiut; and Fred Schlutt, Jr., Director of Extension and Vice-Provost for Outreach & Engagement, University of Alaska, Fairbanks.

8:00 a.m. - 8:45 a.m.

MORNING KEYNOTE EVENT

NANCY LORD

Alaska's Writer Laureate, 2008-2010

Tikahtnu Ballroom



Details: Nancy Lord, Alaska's Writer Laureate for 2008-10, holds a liberal arts degree from Hampshire College and an M.F.A. in creative writing from Vermont College. In addition to being an independent writer based in Homer, she fished commercially

for many years and has, more recently, worked as a naturalist and historian on adventure cruise ships. She is the author of three short fiction collections (most recently *The Man Who Swam with Beavers*, Coffee House Press, 2001) and five books of literary nonfiction (most recently *Early Warming: Crisis and Response in the Climate-Changed North*, Counterpoint Press, 2011.) She teaches creative writing part-time at the Kachemak Bay Branch of Kenai Peninsula College and in the low-residency graduate writing program at the University of Alaska, Anchorage. Her awards include fellowships from the Alaska State Council on the Arts and the Rasmuson Foundation, a Pushcart Prize, and residencies at a number of artist communities.

NOTES:

8:00 a.m. - 11:45 a.m.

Statement of Cooperation Executive Steering Committee Meeting - By Invitation Only

K'enakatnu Board Room

Details: This session is a closed session of the steering committee.

9:00 a.m. - 10:15 a.m.

So You Need a New Landfill, Huh? Exploring Solid Waste Options for Rural Villages

Kahtnu 2

Details: Explore solid waste options for communities that feel their landfill is full and need a new site. We will look at options for cleaning up an existing site, ways to divert waste going into the landfill, environmental impacts from the landfill to the community, siting a new landfill, challenges to building a new site, and sustainable collection programs for communities.

Presenters: Doug Huntman, Alaska Department of Environmental Conservation; Ted Jacobson, US Environmental Protection Agency
Moderator: Rebecca Colvin, Alaska Department of Environmental Conservation

National Park Service - The Next Century

Tubughnenq' 3

Details: The National Park Service (NPS) will mark its 100th anniversary in 2016, and it is embarking on a series of actions to transform how it works in its second century. Join a discussion and offer advice to NPS Alaska leadership about how the NPS could work toward accomplishing the major themes of the centennial action plan: better connecting people to parks, advancing NPS education efforts, and preserving America's special places.

Presenters: Sue Masica and Debora Cooper, National Park Service
Moderator: John Quinley, National Park Service

Language and Culture in GAP Environmental Program Development: A Talking Circle

Tubughnenq' 5

Details: This session follows a traditional talking circle format. Participants can share General Assistance Program highlights and other activities where language and culture are at the core of project work.

Talking Circle Host: Tami Fordham, US Environmental Protection Agency
Moderator: Santana Gay, US Environmental Protection Agency

Morning

February 9

THURSDAY

Reducing Exposure to Contaminants in the Arctic
Tubughnenq' 4

Details: This session will describe a newly-formed workgroup under the Arctic Council that is designed to reduce the exposure of indigenous communities to contaminants in the Arctic. One objective of the workgroup, known as the Indigenous Peoples' Contaminant Action Program (IPCAP), is to incorporate the views of indigenous communities into the planning and execution of Arctic Council contaminant reduction projects. After a description of IPCAP by government and tribal/indigenous group participants, the attendees of the session will have an opportunity to provide input as to how the workgroup should focus its work.

Presenters: Victoria Gofman, Aleut International Association; and Pamela Miller, Alaska Community Action on Toxics
Moderator: David Guest, US Environmental Protection Agency

EPA Region 10 Tribal Program and Funding Opportunities
Tikahtnu C

Details: This session provides an introduction to EPA and R10's Tribal Program, and gives an overview of the Agency's grant programs available to Alaska Tribes.

Presenter: Katherine Brown, US Environmental Protection Agency
Moderator: Michelle Davis, US Environmental Protection Agency

Collaborating to Create Safe and Healthy Environments for Children (Part 1 of 2)
Tikahtnu E

Details: [This is a two-part session.] In Part I, participants will learn the basics of children's environmental health, including why children are more vulnerable to environmental contaminants, common routes of exposure, and children's health issues that are prevalent or of particular concern in Alaska. Participants are encouraged to share issues they are seeing in their communities.

Presenters: Margo Young and Erin Mader, US Environmental Protection Agency
Moderator: Mahri Lowinger, US Environmental Protection Agency

Saving Energy, Saving Lives
Tikahtnu D

Details: Among the core missions of the US Coast Guard (USCG) is saving lives. In construction and operating energy efficient shore support facilities, the USCG better sustains mission readiness. The USCG has a wide range of initiatives including the installation of the largest wood pellet fired boiler on the West Coast using the latest technology; installation of wind turbines and the Wind in Schools Program.

Presenter: Capt. John Hickey, US Coast Guard
Moderator: Katie Benning, US Forest Service

NOTES:

Getting the Message Out! Effective Community Education & Outreach to Address Solid Waste Issues

Kahtnu 1

Details: Hands-on session using different outreach methods to make a difference in how the community prioritizes solid waste and in how residents dispose, separate, and reduce their wastes.

Presenters: Jacqueline Shirley, Kim Govig, Lina Taneva, Autumn Bryson, and Lynn Zender, Zender Environmental Health
Moderator: Rebecca Colvin, Alaska Department of Environmental Conservation

GIS for Cultural & Subsistence Resource Mapping

Kahtnu 2

Details: Utilizing Geographic Information Technology to document local cultural knowledge and compile it in various multimedia formats under the Cultural Atlas framework.

Presenters: Marcus Geist, The Nature Conservancy; Mischa Ellana, Bristol Bay Native Corporation
Moderator: Klaudia Jo Klaudi, Knik Tribal Council

Maritime Operations in the Arctic

Tubughnenq' 3

Details: This will be a panel presentation discussing the Bering Strait Port Access Route Study, maritime operations in response to potential offshore oil & gas exploration activities, and overall response preparedness.

Presenters: CAPT's Craig Lloyd, Adam Shaw and Kathleen Duignan, US Coast Guard
Moderator: CDR Shane Montoya, US Coast Guard

Mercury, Permafrost, and Climate Change

Tubughnenq' 4

Details: Mercury is a ubiquitous pollutant and the atmospheric deposition of mercury is global in scale. The impacts of atmospheric mercury deposition on the environment is of special concern in northern regions because; 1) large stores and cycling of soil organic matter with affinity to bind and transport mercury, 2) rapid landscape changes as a result of a warming climate (permafrost thaw), 3) increased pollution from Eurasia, 4) atmospheric mercury depletion events specific to arctic and subarctic landscapes, and 5) concerns regarding mercury in the food web and potential impacts to the unique subsistence cultures of the North. This session will discuss recent research related to mercury, permafrost, and climate change.

Presenters: Paul F. Schuster, US Geological Survey; Philip Johnson, US Fish & Wildlife Service
Moderator: Jean Gamache, National Park Service

Environmental Justice Toolbox for Solid Waste Management in Rural Alaska

Tubughnenq' 5

Details: This session kicks off the beginning of a statewide US Environmental Protection Agency Environmental Justice grant to Zender Environmental Health and Research Group to provide assistance to Alaska Tribes on Environmental Justice as it relates to providing culturally-appropriate environmental education sessions on solid waste management. Alaska Tribes will have the opportunity to voice their perceptions on what Environmental Justice is, and what it means in their community.

Presenters: Jacqueline Shirley, Zender Environmental Health and Research Group; Elizabeth Hodges Snyder, University of Alaska
Moderators: Joe Sarcone, Agency for Toxic Substances Disease Registry; Lina Taneva, Zender Environmental Health and Research Group

EPA Update on National Pollutant Discharge Elimination System (NPDES) Permitting for Offshore Oil and Gas Exploration Activities in Alaska

Tubughnenq' 4

Details: The US Environmental Protection Agency will provide an overview of the waste water discharge (NPDES) permitting program. This session will include an update about current water permitting activities that EPA is leading in the State of Alaska with regards to offshore oil and gas exploration activities.

Presenters: Cindi Godsey and Jennifer Curtis, US Environmental Protection Agency
Moderator: Tami Fordham and Cathy Villa, US Environmental Protection Agency

Collaborating to Create Safe and Healthy Environments for Children (Part 2 of 2)

Tikahtnu E

Details: In part two of this session, participants will delve deeper into specific environments in which children spend a great deal of time, such as homes and schools, and will learn and share effective steps for identifying and addressing these issues. Exciting new research, tools, training opportunities, and best practices will be shared.

Presenters: Margo Young and Erin Mader, US Environmental Protection Agency
Moderators: Mahri Lowinger, US Environmental Protection Agency

10:30 a.m. - 11:45 a.m. (cont.)

Behavior Change in Environmental Health

Tikahtnu D

Details: Most environmental programs include a need to modify human behavior to mitigate health hazards or environmental issues. Behavior change is a difficult task, but it is possible. Successful behavior change programs incorporate some key elements to address these changes.

This presentation will introduce the concept of health education versus health promotion. We will then describe the basic elements of a behavior change program and provide a real world example. The audience will watch brief video clips from the reality TV series, Jamie Oliver's Food Revolution, and will participate by reviewing these examples and considering the aspects of behavior change they just learned about. Discussion will focus on how the TV series could incorporate the elements of behavior change programs to achieve different results. The presentation will close with a summary of the key elements and some recommendations for creating successful behavior change programs.

Presenters: Katie Burbage and Korie Hickel, Alaska Native Tribal Health Consortia

Moderator: Kate McLaughlin, Alaska Forum, Inc.

NOTES:

The Alaska Forum Board of Directors will present the 2012 Outstanding Achievement Award and the 2012 Environmental Excellence Award. The Outstanding Achievement Award recognizes a project, program, group, publication, or similar concrete accomplishment that occurred during the three years prior to nomination. The Environmental Excellence Award recognizes a long-term contribution and commitment by an individual.

The Coastal America 2011 Spirit Award will be presented by the Environmental Protection Agency Region 10 Regional Administrator to the Project Team leaders. The award goes to the Marine Debris Removal Project Team, which is a partnership between the Resurrection Bay Conservation Alliance and the National Park Service's Ocean Alaska Science and Learning Center and the Kenai Fjords National Park. The award recognizes the Team for their efforts to create a cooperative and ongoing program to improve the coastline of the Park and gain knowledge about the widespread marine debris issue. Through the collaborative efforts of the Conservation Alliance and the Park Service, several tons of marine debris have been removed from the Park's shoreline, a better understanding of annual debris deposition has been documented, and an educational video on the project has been produced. This program has also increased our knowledge about the sources of debris and the adverse affects it can have on the environment, wildlife, and recreational values of the Alaskan coastline.

12:00 p.m. - 1:45 p.m.

KEYNOTE EVENT

JOHN KOZIJ

Director General of the Northern Strategic Policy Branch, Aboriginal Affairs and Northern Development Canada (AANDC)

Tikahtnu Ballroom



Details: John Kozij is the Director General of the Northern Strategic Policy Branch, Aboriginal Affairs and Northern Development Canada (AANDC). Prior to this, Mr. Kozij worked as the director of the Strategic Policy Integration Division of the Northern Affairs Organization of

Indian and Northern Affairs Canada and as the director of Aboriginal skills and employment issues at Human Resources and Social Development Canada. He has also worked at the Privy Council Office and at the Canadian International Development Agency as a senior economist, holding a masters degree in development economics. Mr. Kozij's overseas work experience includes directing operations of an American medical NGO on the Afghan border in Pakistan and as an extended volunteer in a refugee camp in Thailand.

AANDC supports Aboriginal people (First Nations, Inuit and Métis) and Northerners in their efforts to: improve social well-being and economic prosperity; develop healthier, more sustainable communities; and participate more fully in Canada's political, social and economic development - to the benefit of all Canadians. AANDC is one of the federal government departments responsible for meeting the Government of Canada's obligations and commitments to First Nations, Inuit and Métis, and for fulfilling the federal government's constitutional responsibilities in the North. Most of the Department's programs, representing a majority of its spending - are delivered through partnerships with Aboriginal communities and federal-provincial or federal-territorial agreements.

2:00 p.m. - 3:15 p.m.

Federal Site Environmental Roundtable

Tikahtnu E

Details: This session brings together the Federal government, Alaska state government, federally recognized tribes, environmental groups and the public to discuss environmental issues at federal sites. The Roundtable welcomes the community to engage with the Federal government to promote understanding of community environmental concerns related to federal sites. The focus of this facilitated discussion is the impact to tribes and communities, and collaborative strategies to address challenges. The purpose of this session is to create a productive dialog aimed to understand and help resolve environmental issues.

Moderator: Catherine Villa, US Environmental Protection Agency

Construction and Demolition Waste Disposal Workshop

Kahtnu 1

Details: This presentation will provide examples of different approaches for managing construction and demolition waste in rural Alaska. Some examples include regional and local approaches that include ordinances, codes, and policies. This presentation will include guest speakers that will present how they manage construction and demolition waste.

Presenters: Trisha Bower and Kitrina Perrson, Alaska Department of Environmental Conservation

Moderator: Rebecca Colvin, Alaska Department of Environmental Conservation

Arctic Shipping and Tribal Involvement: Working to Protect Culturally Sensitive Sea Areas

Kahtnu 2

Details: This presentation will provide an update and discussion of the implications of increased shipping in the Arctic, and provide the perspective of coastal community members.

Presenter: Shawna Larson, Pacific Environment

Moderator: Colleen Keane, Pacific Environment

Cultural Sites Preservation & Rural Development

Tubughnenq' 3

Details: A representative from the Knik Tribe will present information on their cultural program which incorporates collaboration with borough and state agencies, map based elder interviews working in front of the blade of development assessing lands for potential cultural sites through research and ground truthing.

Presenter: Angie Wade, Knik Tribal Council

Moderator: Theo Garcia, Knik Tribal Council

USDA Natural Resource Conservation Service Partnership Project

Tubughnenq' 4

Details: The Natural Resource Conservation Service (NRCS) will be collaborating with the Alaska Tribal Conservation Alliance (ATCA) to create additional conservation districts in Alaska. ATCA's mission is to provide education, collaboration, and outreach to the tribal conservation districts in Alaska to preserve and enhance the natural resources and traditional subsistence way of life.

Presenter: Kristine Harper, US Department of Agriculture, NRCS

Moderator: Raymond Paddock, III, Central Council Tlingit and Haida Indian Tribes of Alaska

2:00 p.m. - 4:45 p.m.

Coastal America Alaska Regional Implementation Team Meeting

K'enaktnu Board Room

Details: Annual joint meeting of the Coastal America Alaska Regional Principals and Regional Implementation Team.

Co-Chair: Erika Ammann, National Marine Fisheries Service

Co-Chair: Doug Mutter, US Department of the Interior

Linking Traditional Knowledge with Today's Science

Tikahtnu D

Details: A Roundtable discussion regarding the United States and Canadian Arctic environment and the impacts of climate change, melding Traditional Knowledge and Western science. Anticipate approximately 20 participants on the roundtable who will respond to scripted questions, audience/observers will be invited to engage with the roundtable at designated opportunities.

Moderator: John Kozij, Aboriginal Affairs and Northern Development Canada

Afternoon

February 9

THURSDAY

3:30 p.m. - 4:45 p.m.

Amchitka Underground Nuclear Test Site Monitoring Program

Kahtnu 1

Details: This session will provide an overview of field activities performed on Amchitka in 2011 by the US Department of Energy Office of Legacy Management (LM). During the field project, LM inspected 7 sites on Amchitka where petroleum-contaminated materials are encapsulated in engineered disposal cells. Additionally, LM and personnel from the Alaska Department of Environmental Conservation, Aleutian Pribilof Islands Association, US Fish & Wildlife Service and the University of Alaska, Fairbanks conducted biological sampling on Amchitka and Adak Islands, and in the marine waters surrounding both islands, to assess food safety and provide baseline activity concentrations that will support quantitative statistical trending analysis with future sampling results.

Presenters: Mark Kautsky, US Department of Energy; Paul S. Darr, S.M. Stoller; Mary Picel, Argonne National Laboratory; Karen Pletnikoff, Aleutian Pribilof Islands Association
 Moderator: John Halverson, Alaska Department of Environmental Conservation

What's Happening at Red Devil Mine? A Talking Circle for Interested Kuskokwim Communities

Tubughnenaq' 5

Details: The Bureau of Land Management is conducting a CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) investigation at the Red Devil Mine, an abandoned cinnabar mine and mercury retort site on the Kuskokwim River. This is not a technical presentation, but rather an informal Talking Circle to discuss the site investigation to date, seek input about Spring 2012 community meetings and tribal consultations, and invite participants to share comments and concerns about the Red Devil Mine project.

Presenters: Jim Fincher, Mike McCrum and Matt Varner, Bureau of Land Management
 Moderator: Brenda TakesHorse, Bureau of Land Management

Planning and Implementing a Community Recycling Program

Kahtnu 2

Details: Recycling organizations discuss the basics of operating recycling programs, how materials are sold into the marketplace, and the importance of sustaining programs long-term.

Presenters: Mary Fisher, Alaskans for Litter Prevention and Recycling; Randy Virgin, RockTenn Recycling; Cynthia Paniyak and Deborah Friday-Aguchak, Chevak Traditional Council IGAP program; Larry Zirkle, Total Reclaim
 Moderator: Doug Huntman, Alaska Department of Environmental Conservation

Quick and Easy GAP Online

Tubughnenaq' 4

Details: This is a session to learn about the US Environmental Protection Agency Indian General Assistance Program Online data entry.

Facilitator: Sherry Kimmons, US Environmental Protection Agency

General Assistance Program Planning & Environmental Results

Tubughnenaq' 3

Details: This session introduces "the super cool program planning tool," and explains what "outputs," "outcomes," and "environmental results" are all about.

Presenter: Katherine Brown, US Environmental Protection Agency
 Moderator: JR Herbst, US Environmental Protection Agency

A Dispatchable Renewable Energy Storage System

Tikahtnu E

Details: The Intertribal Council on Utility Policy (COUP) seeks to lay the strategic ground work and capacity for a twenty year commitment to realize tribal community economic development based upon utility and community scale, on- or off-grid renewables (wind, solar and geothermal) and housing that is sustainable, affordable, future-proof and energy efficient. The most energy efficient homes still require reliable and dispatchable electricity - the Achilles' heel of low-cost renewable energy.

Presenter: Bob Gough, Intertribal Council On Utility Policy
 Moderator: Connie Fredenberg, Marsh Creek, LLC

8:00 a.m. - 5:00 p.m.

8 hr. RALO Lite for Village Administrators

Kahtnu 1

Details: 8 hr. Rural Alaskan Landfill Operator (RALO) training is offered for the first time focusing on duties required of rural village administrators and Indian General Assistance Program coordinators. The class will explore basics for operating a landfill, required administrative paperwork, permits, selecting an operator, and collection programs. The presentation and general discussion will cover solid waste topics in an effort to ensure success at a rural site.

Presenters: Doug Huntman, Alaska Department of Environmental Conservation; Ted Jacobson, US Environmental Protection Agency
Moderator: Mike Blair, Solid Waste Association of North America

HAZWOPER 8-Hour Refresher Course

Tubughnenq' 3, 4 and 5 combined

Details: This training applies to those who engage in hazardous waste/substance operations, hazardous materials emergency response, and who have previously completed either 24-hour or 40-hour hazardous waste site training. This course satisfies the Occupational Safety and Health Administration (OSHA) 8-hour annual refresher training requirements for employees conducting hazardous waste operations as specified under 29 Code of Federal Regulations (CFR) 1910.120. Participants wanting to take this session must pre-register or sign up in advance at the main conference registration desk.

Additional Information: You need to be a paid Alaska Forum on the Environment (AFE) Conference registrant to take this annual 8-hour HAZWOPER refresher class.

Topics covered, as recommended under 29 CFR 1910.120(e)(8) will include: safety plan development and site entry procedures, chemical hazards, biohazards, nature of radiation/radiation protection methods, selecting appropriate personal protective equipment (PPE), air monitoring, decontamination, and hazard communications. Please ensure that you add your name to the sign-up list for this session event by selecting the online or paper registration form.

Instructors: Instructors provided courtesy of Environmental Management, Inc.

8:30 a.m. - 11:45 a.m.

Marine Debris in Alaska Workshop

Kahtnu 2

Details: This workshop will review the actions taken on marine debris in the past year, trends seen in ongoing studies, and tools for outreach to communities on marine debris cleanup.

Facilitator: Erika Ammann, National Marine Fisheries Service

8:30 a.m. - 2:30 p.m.

FILM FESTIVAL: Film event

Tikahtnu C

Details: Over a dozen films have been selected for participation in the Alaska Forum on the Environment, 2012, Film Festival! To view films and showtimes, please check the film festival poster available by the registration counter!

NOTES:

February 10

FRIDAY

8:30 a.m. - 4:00 p.m.

Effective NEPA Cumulative Impacts Assessment Class

Tikahtmu E

Details: Analyzing cumulative impacts is one of the most challenging areas of National Environmental Policy Act (NEPA) practice, and is a frequent source of litigation challenges. This class will explain in detail the requirements for preparing a cumulative impacts assessment, including how to properly define the spatial and temporal boundaries for the analysis, and how to properly define other past, present and reasonably foreseeable future actions that may intersect with the action undergoing NEPA analysis. The pros and cons of various analysis methods will also be discussed, along with a review of recent case law on NEPA cumulative impacts.

Instructor: Michael Smith, ICF International

9:00 a.m. - 10:30 a.m.

US EPA General Assistance Program Participants' Closing Session

Tikahtmu D

Details: Moderator: Cathy Villa, US Environmental Protection Agency

8:30 a.m. - 11:15 a.m.

Joint Meeting of the Prince William Sound Science Center and Oil Spill Recovery Institute Boards

K'enahtnu Board Room

Details: Semi-annual meeting of the Prince William Sound Oil Spill Recovery Institute Advisory Board. The Oil Spill Recovery Institute was established by the Oil Pollution Act of 1990 to fund and carry out research and development and education on Arctic and sub-Arctic oil spills; spill response technologies; and the assessment of impacts to the environment, economy and lifestyles of Alaskans.

Facilitator: W. Scott Pegau, Oil Spill Recovery Institute

10:45 a.m. - 4:45 p.m.

Healthy Homes Master Home Environmentalist Training

Tikahtmu D

Details: Attend this full-day training to learn how to find and fix things that may be making people sick in their own homes. Topics include Moisture and Mold; Asthma and Allergies; Household Pests; Toxicology; Indoor Air Quality and Ventilation; and Safe Chemical Storage. Participants will learn how to educate their communities on how to identify unsafe conditions in and near their homes and simple, low-cost ways to address any issues they may find. This training is open to anyone, from housing to environmental to health sector workers. Home environment assessment tools will be provided.

Presenters: Aileen Gagney, American Lung Association; Gillian Mittlestaedt, Tribal Healthy Homes Northwest

Moderators: Margo Young and Erin Mader, US Environmental Protection Agency

11:15 a.m. - 2 p.m.

Oil Spill Recovery Institute Advisory Board Meeting

K'enahtnu Board Room

Details: The Oil Spill Recovery Institute was established by the Oil Pollution Act of 1990 to fund and carry out research and development and education on Arctic and sub-Arctic oil spills; spill response technologies; and the assessment of impacts to the environment, economy and lifestyles of Alaskans.

Facilitator: W. Scott Pegau, Oil Spill Recovery Institute

12:00 p.m. - 1:45 p.m.

LUNCH ON YOUR OWN

NOTES:

Monday, February 6

10:30 a.m. - 11:45 a.m.

Tribal Leaders Consultation Session – National Fish, Wildlife & Plant Climate Adaptation Strategy

K'enaKatnu Board Room

Details: To seek input on the Draft Report for the National Fish, Wildlife & Plant Climate Adaptation Strategy. This Draft Report has been sent to the Tribes and Federal and State Agencies for review. The Public Review process will begin shortly. All input received at the Tribal Consultation Sessions will be considered for input into the final report. The final report will be issued in the Spring of 2012. Here is a link to the draft report:
http://www.wildlifeadaptationstrategy.gov/pdf/agency_review_draft.pdf

Presenter and Moderator: John Antonio, Bureau of Indian Affairs

3:30 p.m. - 4:45 p.m.

Closed Meeting for Rural Alaska Children's Environmental Health Initiative Partnership (by invitation)

K'enaKatnu Board Room

Details: The Rural Alaska Children's Environmental Health Initiative is a group over 15 partners working together to mitigate harmful exposures and to support healthy environments for children in rural Alaska, with a special focus on Alaska Native children. The Initiative has two active workgroups, Alaska Healthy Homes and Alaska Healthy Schools, both of which have been collaborating regularly for over a year. This Partnership meeting will provide an opportunity to meet in person to review the successes of the first year, strategically brainstorm for the next year, and expand participation.

Moderators: Mahri Lowinger, Erin Mader, and Margo Young, US Environmental Protection Agency

Thursday, February 9

8 a.m. - 11:45 a.m.

Statement of Cooperation Executive Steering Committee Meeting

K'enaKatnu Board Room

Details: By invitation only. This is a closed session of the steering committee.

2 p.m. - 4:45 p.m.

Coastal America Alaska Regional Implementation Team Meeting

K'enaKatnu Board Room

Details: Annual joint meeting of the Coastal America Alaska Regional Principals and Regional Implementation Team.

Co-Chair: Erika Ammann, National Marine Fisheries Service
 Co-Chair: Doug Mutter, US Department of the Interior

Friday, February 10

8:30 a.m. - 11:15 a.m.

Joint Meeting of the Prince William Sound Science Center and Oil Spill Recovery Institute Boards

K'enaKatnu Board Room

11:15 a.m. - 2 p.m.

Oil Spill Recovery Institute Advisory Board Meeting

K'enaKatnu Board Room

Details: Semi-annual meeting of the Prince William Sound Oil Spill Recovery Institute Advisory Board. The Oil Spill Recovery Institute was established by the Oil Pollution Act of 1990 to fund and carry out research and development and education on Arctic and sub-Arctic oil spills; spill response technologies; and the assessment of impacts to the environment, economy and lifestyles of Alaskans.

Facilitator: W. Scott Pegau, Oil Spill Recovery Institute

NOTES:

Eat... Laugh... Learn!



HOSTED BY THE RIO RTOC AND THE UAF CES
AT THE ALASKA FORUM ON THE ENVIRONMENT



EVENING SOCIAL

DENA'INA CENTER
TIKAHTNU BALLROOM



FEB. 8TH AT 4:30 PM

- | | |
|---------|--|
| 4:30 PM | MEET, GREET & EAT
COOPERATIVE EXTENSION SERVICE
FAIRE |
| 5:10 | WELCOME AND INTRODUCTION |
| 5:20 | DENNIS MCLERRAN,
EPA REGION 10 ADMINISTRATOR |
| 5:30 | JOANN CHASE,
EPA DIRECTOR OF THE AMERICAN
INDIAN ENVIRONMENTAL OFFICE |
| 5:40 | DIANNE SODERLUND,
EPA DIRECTOR OF THE ALASKA
OPERATIONS OFFICE |
| 5:50 | 2012 DANIEL ELLANAK ENVIRONMENTAL
EXCELLENCE AWARD PRESENTATION |
| 6:10 | "ODE TO THE POLAR BEAR"
ALLISON WARDEN,
INUPIAT PERFORMANCE ARTIST |
| 6:40 | DOOR PRIZES & SOCIAL |
| 7:30 PM | CONCLUSION OF EVENT |

CLEAN UP & REMEDIATION

MONDAY, FEBRUARY 6

2 p.m. - 3:15 p.m.

- A Superfund Site: Cleaning Up The Abandoned Historic Salt Chuck Mine in Southeast Alaska *Tikahtnu C*

THURSDAY, FEBRUARY 9

3:30 p.m. - 4:45 p.m.

- What's Happening at Red Devil Mine? A Talking Circle for Interested Kuskokwim Communities *Tubughnenq' 5*

CLIMATE CHANGE

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Progress and Partnerships of Alaska's New Landscape Conservation Cooperatives *Tubughnenq' 3*

2 p.m. - 3:15 p.m.

- Funding for Tribal Climate Change Projects *Tubughnenq' 5*

3:30 p.m. - 4:45 p.m.

- Village Relocation Clinic at UW Law School: A Proposal *Tubughnenq' 3*

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Practical Approaches for Flood Risks and Erosion *Kahtnu 1*

10:30 a.m. - 11:45 a.m.

- Changing Landscapes: Sea Ice, Snow and Permafrost in Alaska *Kahtnu 2*
- Climate Change: Our Voices, Sharing Ways Forward *Tikahtnu E*

3:30 p.m. - 4:45 p.m.

- GPS Mapping for Geographical Information Systems on a Budget *Tubughnenq' 4*
- Climate Change and Public Health *Tubughnenq' 3*

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- National Climate Assessment: Indigenous and Tribal Technical Inputs into the Climate Assessment Process and the 2013 Report to Congress and the President *Tubughnenq' 4*

3:30 p.m. - 4:45 p.m.

- National Climate Assessment: Alaska Technical Report *Tubughnenq' 4*

THURSDAY, FEBRUARY 9

10:30 a.m. - 11:45 a.m.

- Maritime Operations in the Arctic *Tubughnenq' 3*
- Mercury, Permafrost, and Climate Change *Tubughnenq' 4*

2 p.m. - 4:45 p.m.

- Linking Traditional Knowledge with Today's Science *Tikahtnu D*

ENERGY

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Realities of Kinetic Hydropower on Most of the Yukon River *Tikahtnu E*

2 p.m. - 3:15 p.m.

- Oil Well Drilling and Wells *Tikahtnu E*

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Susitna-Watana Hydro Project *K'enahtnu Board Room*

10:30 a.m. - 11:45 a.m.

- Renewable Energy in Rural Alaska (Challenges and Opportunities) *Tubughnenq' 3*

2 p.m. - 3:15 p.m.

- Milne Point Heavy Oil Pilot Project (CHOPS) Status Update *Tikahtnu D*

3:30 p.m. - 4:45 p.m.

- Renewable Energy Fund Projects and Alaska Renewable Energy Review *Kahtnu 1*

THURSDAY, FEBRUARY 9

9 a.m. - 10:15 a.m.

- Saving Energy, Saving Lives *Tikahtnu D*

3:30 p.m. - 4:45 p.m.

- A Dispatchable Renewable Energy Storage System *Tikahtnu E*

ENVIRONMENTAL EDUCATION & TRAINING

TUESDAY, FEBRUARY 7

3:30 p.m. - 4:45 p.m.

- Starting a Research Project to Study Local Environmental Issues *Kahtnu 2*

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- Distance Delivered Science Laboratory Courses for Rural Alaska *K'enahtnu Board Room*

10:30 a.m. - 11:45 a.m.

- Environmental Education for Sustainable Energy *K'enahtnu Board Room*

2 p.m. - 3:15 p.m.

- Shaping Fisheries: Skills for Participating in the Public Process *K'enahtnu Board Room*

3:30 p.m. - 4:45 p.m.

- Promoting Rural Environmental Workforce Development Through Internships *K'enahtnu Board Room*

ENVIRONMENTAL REGULATIONS

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Emergency Response Planning for Public Water Systems
Tubughnenq' 3

10:30 a.m. - 11:45 a.m.

- Summary of Cook Inlet Lakes and Southeast Alaska Surveys
Kahtnu 1

2 p.m. - 3:15 p.m.

- Exploring APDES Permits, Involvement Opportunities & Effective Public Comments *Tubughnenq' 3*

FEDERAL FACILITIES

WEDNESDAY, FEBRUARY 8

3:30 p.m. - 4:45 p.m.

- Environmental Restoration Efforts at Federal Sites in Alaska
Tubughnenq' 3

THURSDAY, FEBRUARY 9

2 p.m. - 3:15 p.m.

- Federal Site Environmental Roundtable *Tikahtnu E*

3:30 p.m. - 4:45 p.m.

- Amchitka Underground Nuclear Test Site Monitoring Program
Kahtnu 1

FISH & WILDLIFE

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Progress and Partnerships of Alaska's New Landscape Conservation Cooperatives *Tubughnenq' 3*

2 p.m. - 3:15 p.m.

- The Endangered Species Act in Alaska: Cooperative Conservation
Tubughnenq' 3

3:30 p.m. - 4:45 p.m.

- Cooperative Conservation Efforts for Polar Bears *Tubughnenq' 3*

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Aggressive Plants, Fish, and Sea Squirrels: Invasive Species in Fresh and Salt Water *Kahtnu 2*

10:30 a.m. - 11:45 a.m.

- Invasive Species: Help! *Tikahtnu D*

2 p.m. - 3:15 p.m.

- Exploring Tools to Protect Communities and Prevent Conflict with Predators (Part 1 of 2) *Tikahtnu C*

3:30 p.m. - 4:45 p.m.

- Exploring Tools to Protect Communities and Prevent Conflict with Predators (Part 2 of 2) *Tikahtnu C*

WEDNESDAY, FEBRUARY 8

2 p.m. - 3:15 p.m.

- Coastal Mapping Projects *Tikahtnu C*

3:30 p.m. - 4:45 p.m.

- Wildlife Habitat Projects in Coastal Alaska *Tikahtnu C*

FRIDAY, FEBRUARY 10

8:30 a.m. - 11:45 a.m.

- Marine Debris in Alaska Workshop *Kahtnu 2*

GENERAL ASSISTANCE PROGRAM

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- How to Tell Your Success Story under the EPA General Assistance Program (GAP) *Tikahtnu C*
- Improving the Indoor Environment: Where and How to Find Funds for Healthy Tribal Housing *Tikahtnu D*

2 p.m. - 3:15 p.m.

- State Department of Homeland Security Rural Alaska Emergency Response Planning Initiative *K'enakatnu Board Room*

3:30 p.m. - 4:45 p.m.

- Hazardous Waste Identification and Handling for Rural Alaska Villages *Tikahtnu E*

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Brownfields and Beyond *Tikahtnu E*
- EPA Proposed National GAP Guidebook: Inclusion of Tribes in Alaska *Tikahtnu D*

10:30 a.m. - 11:45 a.m.

- EPA Region 10 Draft Tribal Consultation Procedures *K'enakatnu Board Room*

2 p.m. - 3:15 p.m.

- Integrating the National Environmental Policy Act and Clean Water Act Section 404 Processes *K'enakatnu Board Room*
- Tribal Input on Planning and Environmental Justice Community Leaders Summit (Part 1 of 2) *Tikahtnu E*
- Making Renewable Energy Projects Within Reach for Alaska Native Villages *Tubughnenq' 5*

3:30 p.m. - 4:45 p.m.

- Tribal Input on Planning an Environmental Justice Community Leaders Summit (Part 2 of 2) *Tikahtnu E*

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- EPA Bristol Bay Watershed Assessment Update *Tikahtnu C*
- Local Environmental Observer (LEO) Network: Bridging the GAP *Tikahtnu D*

10:30 a.m. - 11:45 a.m.

- Mercury in the Environment - An Introduction to Sources, Exposure and Health in Alaska *Tikahtnu D*
- Youth Environmental Programs under the General Assistance Program *Tikahtnu C*
- EPA Environmental Justice Collaboration and Policy Talking Circle *Tubughnenq' 5*

2 p.m. - 3:15 p.m.

- A Talking Circle on Contaminants in Your Environment: An Opportunity to Voice Your Thoughts and Concerns *Tubughnenq' 5*

THURSDAY, FEBRUARY 9

9 a.m. - 10:15 a.m.

- Language and Culture in GAP Environmental Program Development: A Talking Circle *Tubughnenq' 5*
- Reducing Exposure to Contaminants in the Arctic *Tubughnenq' 4*
- EPA Region 10 Tribal Program and Funding Opportunities *Tikahtnu C*
- Collaborating to Create Safe and Healthy Environments for Children (Part 1 of 2) *Tikahtnu E*

10:30 a.m. - 11:45 a.m.

- Environmental Justice Toolbox for Solid Waste Management in Rural Alaska *Tubughnenq' 5*
- EPA Update on National Pollutant Discharge Elimination System (NPDES) Permitting for Offshore Oil and Gas Exploration Activities in Alaska *Tubughnenq' 4*
- Collaborating to Create Safe and Healthy Environments for Children (Part 2 of 2) *Tikahtnu E*

3:30 p.m. - 4:45 p.m.

- Quick and Easy GAP Online *Tubughnenq' 4*
- General Assistance Program Planning & Environmental Results *Tubughnenq' 3*

FRIDAY, FEBRUARY 10

8:30 a.m. - 2:30 p.m.

- FILM FESTIVAL: Film event *Tikahtnu C*

9 a.m. - 10:30 a.m.

- US EPA General Assistance Program Participants' Closing Session *Tikahtnu D*

10:45 a.m. - 4:45 p.m.

- Healthy Homes Master Home Environmentalist Training *Tikahtnu D*

Agenda by Subject

GREEN BUILDING/GREEN INFRASTRUCTURE

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- High-Performance Buildings - Policies and Case Studies *Tikahtnu C*

10:30 a.m. - 11:45 a.m.

- Reuse and Renovate – The Future of Alaska’s Buildings *Tikahtnu C*

2 p.m. - 3:15 p.m.

- US Army Corps of Engineers and National Park Service step up Efforts in Green Building *Kahtnu 1*

3:30 p.m. - 4:45 p.m.

- The Coast Guard Embraces Green Building *Tikahtnu D*

Wednesday, February 8

9 a.m. - 10:15 a.m.

- Introduction and History to Green Building and Environmental Issues *Kahtnu 1*

10:30 a.m. - 11:45 a.m.

- Understanding Building Energy Use/Building Behavior *Kahtnu 1*

2 p.m. - 3:15 p.m.

- The Economics of Energy Efficiency - Financial Costs and Benefits *Kahtnu 1*

3:30 p.m. - 4:45 p.m.

- Policy and Codes That Support Efficiency *Kahtnu 1*

HUMAN POPULATION

MONDAY, FEBRUARY 6

3:30 p.m. - 4:45 p.m.

- Number of Earths: 1, Number of Humans: 7 Billion and Counting *Tikahtnu C*

MINING

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Elements of a Modern Mine *Kahtnu 1*

2 p.m. - 3:15 p.m.

- Mining & Water Quality: Acid-rock Drainage and Dissolved Metals *Kahtnu 1*

3:30 p.m. - 4:45 p.m.

- Coal Mining: Elements of a Coal Mine & Coal Mine Regulation *Kahtnu 1*

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Agency Regulatory Role in Permitting and Environmental Review of Large Mines *Tubughnenaq’ 5*

10:30 a.m. - 11:45 a.m.

- Tribal Government and Community Involvement in Agency Decision Making *Tubughnenaq’ 5*

2 p.m. - 3:15 p.m.

- Scenes from Coming Attractions: Mineral Explorers and Developers *Kahtnu 2*

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Finding Your Voice: When and How to Participate in the NEPA Process *Tubughnenaq’ 5*

2 p.m. - 3:15 p.m.

- What Happened to My NEPA Comments? *Tikahtnu D*

3:30 p.m. - 4:45 p.m.

- Incorporating Climate Change in NEPA Documents *Tubughnenaq’ 5*

TUESDAY, FEBRUARY 7

2 p.m. - 3:15 p.m.

- Integrating the National Environmental Policy Act and Clean Water Act Section 404 Processes *K’enakatnu Board Room*

FRIDAY, FEBRUARY 10

8:30 a.m. - 4 p.m.

- Effective NEPA Cumulative Impacts Assessment Class *Tikahtnu E*

OIL SPILL PLANNING & RESPONSE

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- Aleutian Islands and Cook Inlet Risk Assessments *Kahtnu 2*

10:30 a.m. - 11:45 a.m.

- Oil Spill Response Preparedness in the Arctic *Kahtnu 2*

2 p.m. - 3:15 p.m.

- Area Contingency Planning for Oil Spill Response in Alaska *Kahtnu 2*

3:30 p.m. - 4:45 p.m.

- Shorezone Mapping *Kahtnu 2*

RURAL ISSUES

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- Water Quality Sampling in Rural Alaska *Tubughnenq' 3*

10:30 a.m. - 11:45 a.m.

- Water Quality Exchange Spatial Viewer *Tubughnenq' 3*

2 p.m. - 3:15 p.m.

- Community Gardens in Alaska: Lessons Learned *Tubughnenq' 3*

3:30 p.m. - 4:45 p.m.

- Residential Indoor Air Quality in Rural Alaskan Homes *Tubughnenq' 3*

THURSDAY, FEBRUARY 9

9 a.m. - 10:15 a.m.

- National Park Service - The Next Century *Tubughnenq' 3*

10:30 a.m. - 11:45 a.m.

- GIS for Cultural & Subsistence Resource Mapping *Kahtnu 2*

2 p.m. - 3:15 p.m.

- Arctic Shipping and Tribal Involvement: Working to Protect Culturally Sensitive Sea Areas *Kahtnu 2*
- Cultural Sites Preservation & Rural Development *Tubughnenq' 3*
- USDA Natural Resource Conservation Service Partnership Project *Tubughnenq' 4*

SCIENCE & TECHNOLOGY

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- Old Copper Valley School Brownfield Site *Tubughnenq' 5*

10:30 a.m. - 11:45 a.m.

- Air Quality Studies in Rural Alaskan Communities *Tubughnenq' 4*

2 p.m. - 3:15 p.m.

- In-Situ Chemical Oxidation of Petroleum-Contaminated Soil and Groundwater *Tikahtnu D*

3:30 p.m. - 4:45 p.m.

- Water Quality and Permafrost Monitoring Programs in Alaska Communities: Local Knowledge With Global Implications *Tikahtnu D*

SOLID WASTE & RECYCLING

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Remediation, Demolition and Cleanup Projects in Rural or Remote Alaska (Planning for the Unexpected) *Kahtnu 2*

2 p.m. - 3:15 p.m.

- Solid Waste Funding Providers Group *Kahtnu 2*

3:30 p.m. - 4:45 p.m.

- An Inventory of Alaska's Eroding Landfills and Contaminated Sites, and Solid Waste Jeopardy *Kahtnu 2*

THURSDAY, FEBRUARY 9

9 a.m. - 10:15 a.m.

- So You Need a New Landfill, Huh? Exploring Solid Waste Options for Rural Villages *Kahtnu 2*

10:30 a.m. - 11:45 a.m.

- Getting the Message Out! Effective Community Education & Outreach to Address Solid Waste Issues *Kahtnu 1*

2 p.m. - 3:15 p.m.

- Construction and Demolition Waste Disposal Workshop *Kahtnu 1*

3:30 p.m. - 4:45 p.m.

- Planning and Implementing a Community Recycling Program *Kahtnu 2*

FRIDAY, FEBRUARY 10

8 a.m. - 5 p.m.

- 8 hr. RALO Lite for Village Administrators *Kahtnu 1*

Agenda by Subject

SUSTAINABILITY, RESILIENCE & ADAPTATION

WEDNESDAY, FEBRUARY 8

9 a.m. - 10:15 a.m.

- Sustainability: Planning and Communications *Tikahtnu E*

10:30 a.m. - 11:45 a.m.

- Alaska Food Production Systems and Security *Tikahtnu E*

2 p.m. - 3:15 p.m.

- Local Actions and Global Effects *Tikahtnu E*

3:30 p.m. - 4:45 p.m.

- Climate, Game Management & Subsistence Hunting *Tikahtnu E*

THURSDAY, FEBRUARY 9

10:30 a.m. - 11:45 a.m.

- Behavior Change in Environmental Health *Tikahtnu D*

YOUTH

MONDAY, FEBRUARY 6

10:30 a.m. - 11:45 a.m.

- Science and Career Opportunities for Rural Students *Tubughnenq' 4*

2 p.m. - 3:15 p.m.

- College Success: Anytime, Anywhere *Tubughnenq' 4*

3:30 p.m. - 4:45 p.m.

- Participatory Democracy - Lessons in Engaging Students in Community Leadership *Tubughnenq' 4*

TUESDAY, FEBRUARY 7

9 a.m. - 10:15 a.m.

- Youth and Adult Environmental Project Showcase *Tubughnenq' 4*

10:30 a.m. - 11:45 a.m.

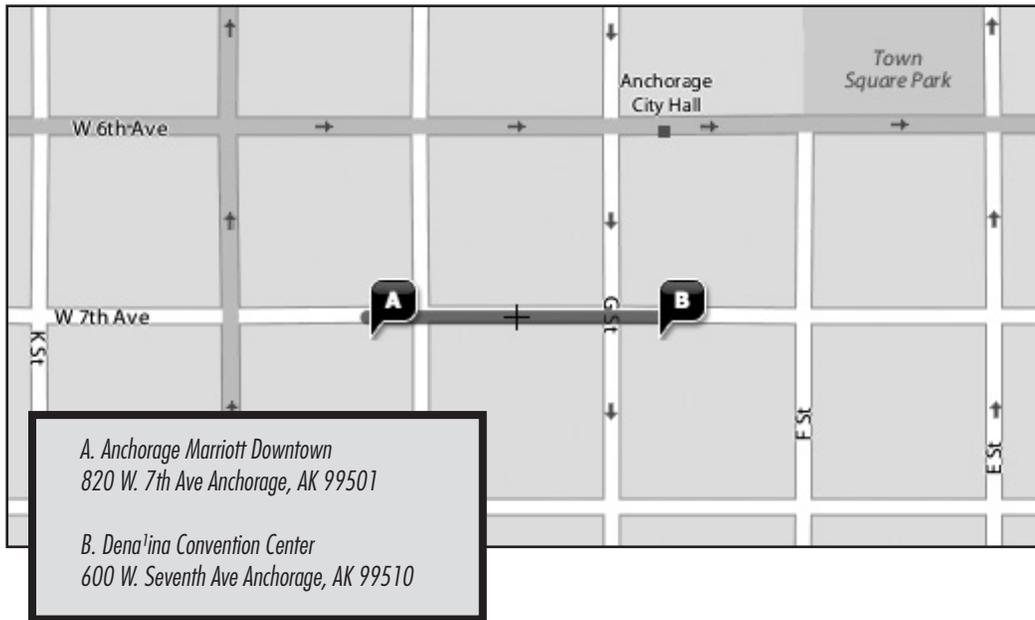
- Environmental Project Planning Toolkit *Tubughnenq' 4*

2 p.m. - 3:15 p.m.

- Bringing It All Together- Environmental Project Planner *Tubughnenq' 4*

NOTES:

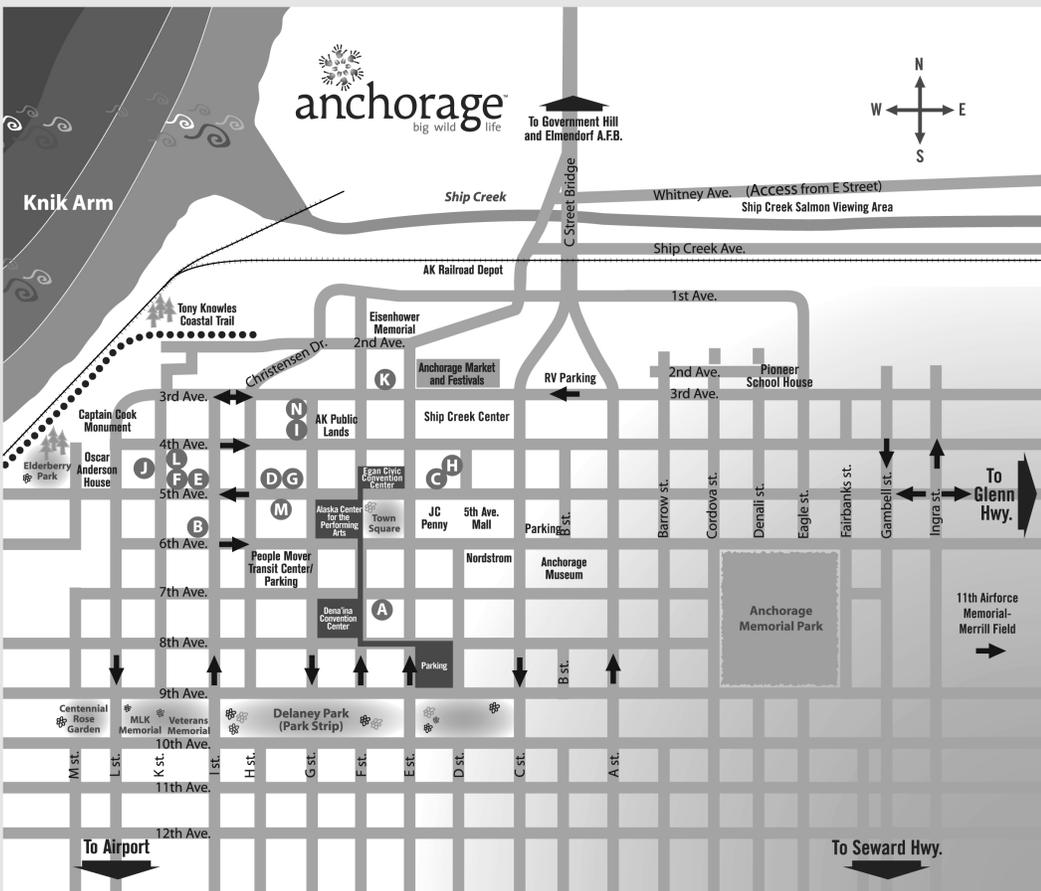
Conference Maps



A. Anchorage Marriott Downtown
820 W. 7th Ave Anchorage, AK 99501

B. Dena'ina Convention Center
600 W. Seventh Ave Anchorage, AK 99510

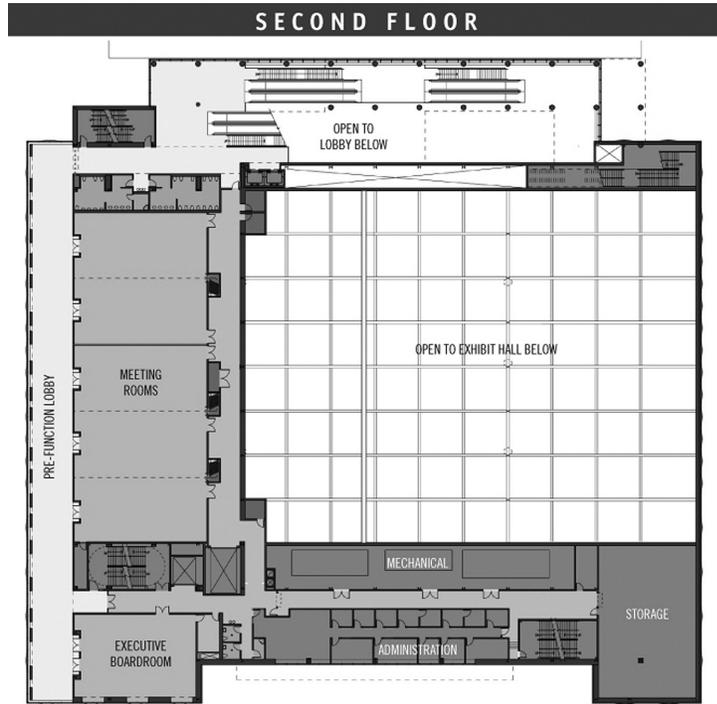
Welcome to the Alaska Forum on the Environment Downtown Anchorage Restaurant Map



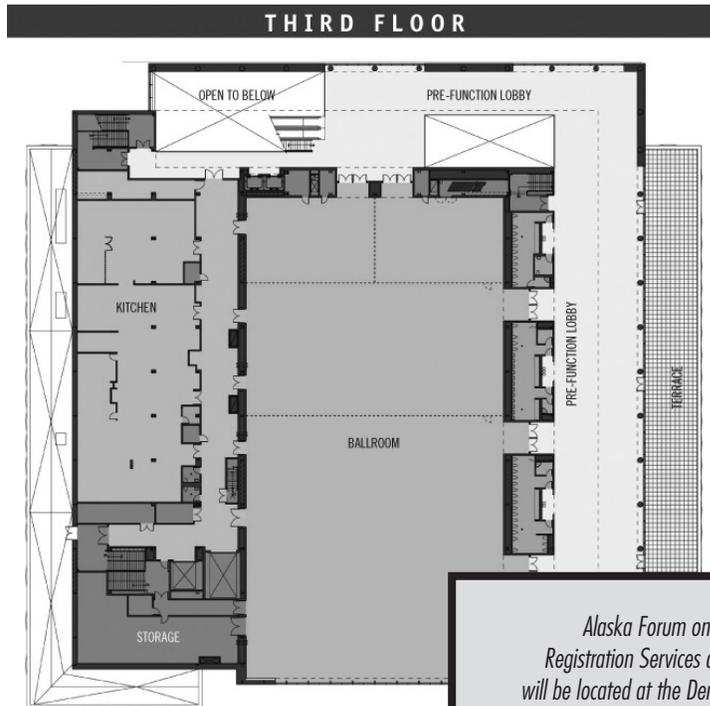
- A Dianne's Restaurant
907.279.7243 / 550 W 7th Ave
Homemade soups, breads and desserts
- B Geno and Sal's Famous
New York Grill at Platinum Jaxx
907.344.5900 / 901 W 6th Ave
Informal lunch & dinner
- C Ginger
907.929.3680 / 425 W 5th Ave
Asian fusion/Pacific Rim
- D Glacier Brewhouse
907.274.2739 / 737 W 5th Ave
Brewpub lunch & dinner
- E Fletcher's / Hotel Captain Cook
907.343.2218 / 939 W 5th Ave
Classic pub fare
- F Whale's Tail / Hotel Captain Cook
907.343.2220 / 939 W 5th Ave
Lunch, dinner and small plates
- G ORSO
907.222.3232 / 737 W 5th Ave
Italian lunch & dinner
- H Phyllis' Seafood Café and
Salmon Bake
907.274.6576 / 436 D St
Alaskan seafood; lunch, dinner
- I Sacks Café and Restaurant
907.276.3546 / 328 G St
Creative lunch & dinner
- J Simon and Seafort's Saloon
and Grill
907.274.3502 / 420 L St
Creative Alaskan cuisine
- K Sizzlin' Café
907.929.5400 / 523 W 3rd Ave
Homestyle lunch
- L Snow City Cafe
907.272.2489 / 1034 W 4th Ave
Gourmet breakfast & lunch
- M Solstice Bar and Grill
907.276.7676 / 720 W 5th Ave
Global taste with local flair
- N Urban Greens
907.276.0333 / 304 G St
Subs & salads with ethnic flair

DENA'INA CENTER FLOORPLANS

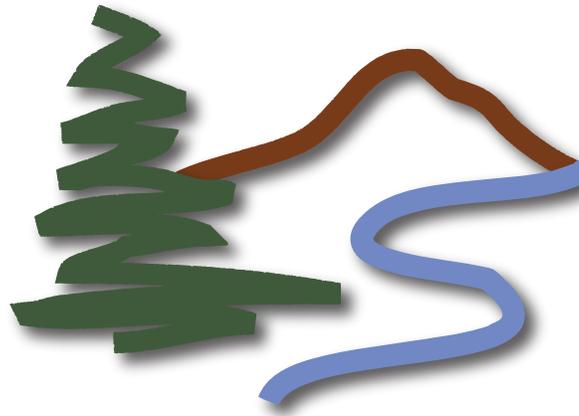
**2nd FLOOR: KAHTNU (KENAI) - MEETING ROOMS 1 & 2
TUBUGHNENQ' (TYONEK) - MEETING ROOMS 3, 4 & 5
K'ENAKATNU (KNIK) EXECUTIVE BOARD ROOM**



3rd FLOOR: TIKAHNTNU (COOK INLET) - BALLROOM



*Alaska Forum on the Environment
Registration Services and all Keynote Events
will be located at the Dena'ina Convention Center,
TIKAHTNU (COOK INLET) BALLROOM, 3rd Floor*



Alaska Forum on the Environment Environmental Awards

2012 Outstanding Achievement Award

The 2012 Outstanding Achievement Award recognizes a project, program, group, publication, or similar concrete accomplishment that occurred during the three years prior to nomination for the award.

Recipient #1: Aleutian Pribilof Islands Paralytic Shellfish Poisoning (PSP) Project

The PSP project looks for measures of climate change in increased harmful algal blooms resulting in increased shellfish toxicity in the region. The patterns of high toxin levels and weather events such as rain fall are particularly important to understanding the complex and changing factors that create bloom conditions that put subsistence users at risk of poisoning. Most importantly, this project has saved lives by increasing the knowledge about and evidence of lethal levels of toxins found in regional shellfish. This work has been recognized by State and Federal resource managers and has been called the most extensive and progressive work on PSP in the country

Recipient #2: RAVEN AmeriCorps Program

The Rural Alaska Village Environmental Network (RAVEN) Youth Development AmeriCorps program serves rural Alaskan communities by promoting environmental education, implementing energy conservation, encouraging recycling and waste reduction, and fostering community involvement in area-wide clean-up efforts. RAVEN AmeriCorps Members improve environmental conditions across rural Alaska. RAVEN AmeriCorps Members have diverted an average of 170,000 pounds of solid waste away from landfills or dumps in rural communities annually. In 2011, RAVEN Members collected more than 8,000 pounds of aluminum, 5,600 pounds of lead acid batteries, more than 41,000 pounds of paper products, 1,200 pounds of HHW, nearly 300 gallons of waste oil or used oil. Of the commodities collected, more than 32,000 pounds were backhauled from communities across Alaska.

2012 Environmental Excellence Award

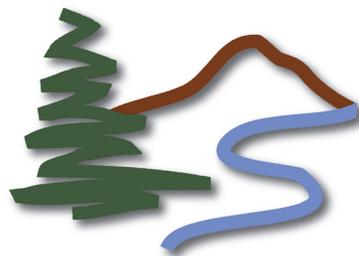
2012 Environmental Excellence Award recognizes a long-term contribution and commitment by an individual.

Recipient #1: Bobbie Anne Barnowsky, Old Harbor Tribal Environmental Coordinator

Ms. Barnowsky has taken what was once an "open dumping" community and converted it into a new community driven to protect its natural environmental resources. She has established an environmental newsletter, disposed of hazardous waste accumulated over several generations, and fully involved all entities and community members into a long-term commitment to improve the environment for future generations.

Recipient #2: Dennis Nickerson, Craig Tribal Association

Through his work as a Traditional Ecological Knowledge researcher and Environmental Coordinator, Dennis has played a key role in documenting and monitoring sacred sites, managing the IGAP program, created quarterly newsletters, promoting environmental education, organized Kassin Bay beach cleanups, and provided important public testimony on subsistence and traditional/historical issues.



2012
Alaska Forum
on the Environment

© 2005-2012 Alaska Forum, Inc.

888.301.0185 toll free

www.akforum.org