

NorthernLine

"Behind is a great forest that goes to the Arctic...and here we must draw our line."

~ Gary Snyder, *Front Lines*



Northern
Alaska Environmental
Center

Spring 2010 Volume XXXII, Number 2

Celebrating Our Success; Cultivating Our Future

Early summer in the Interior and Arctic is cause for celebration.

Migratory waterfowl bring tidings of new life as they rest just outside our office near Creamer's Field on their way north. Their joyful honking reminds all of us at NAEC why our members (that's YOU!) work to protect bird breeding grounds and habitat for other magnificent wildlife across northern Alaska.

In our work there is much to celebrate as we head into summer:

- The Alaska Legislature agreed with NAEC and the rest of the Alaska conservation community by passing legislation to move clean, sustainable energy solutions forward in Alaska (page 5);
- Lawmakers also did the right thing by protecting the cherished local Goldstream Public Use Area, and by keeping the Dalton Highway corridor free of snow machine disturbances (page 5);
- Founding member Ginny Wood was given a Congressional Gold Medal, caught on to what NAEC has known all along about (page 7);
- We can help reduce greenhouse gas emissions via a 50% reduction in energy consumption in Alaska by 2025 (page 4), and NAEC recently helped prevent degradation of water quality standards in AK (page 6);
- The U.S. Fish & Wildlife Service began a new chapter for responsible stewardship by formally ending its Yukon Flats National Wildlife Refuge land exchange (with NAEC's help, of course!) (page 2-3);
- And of course, we continue to celebrate the Arctic National Wildlife Refuge's 50th year, (page 2) and work for its permanent protection.

Tomorrow's successes and celebrations start by cultivating activists today:

NAEC provides fertile ground for growing conservation advocates, whether they are Camp Habitat campers or college interns (page 7) setting out on a career path.

NAEC's annual picnic on Friday, June 4 is your chance to celebrate successes, talk about current conservation concerns, and help cultivate the future you want: wild places and protected habitats in northern Alaska. I hope to see you there!

Karen M. Kelly

Karen Max Kelly, *Executive Director*



Celebrating Earth Day: Tarika Lea partnered with NAEC 20 years ago to bring the first Fairbanks-wide Earth Day celebration. Tarika recently gave the NAEC the original artwork from the 1990 Earth Day. Thank you, Tarika, for making Earth Day a mainstream public event in Fairbanks!

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Send us your email address and win **FREE MOVIE TICKETS!**

NAEC is updating its database and we're missing many email addresses.

Send your current email address to lori@northern.org by July 1, 2010 and one lucky recipient – chosen at random – will get FREE Fandango Movie Bucks emailed to them!

NOTE: Your membership must be current to be entered in the drawing. View NAEC's Privacy Policy at www.northern.org/about-us/privacy-policy.

FRIDAY, JUNE 4 NAEC ANNUAL MEETING & MEMBERS' PICNIC 5:30PM IN NAEC'S BACKYARD

Bring a salad to share! Join board and staff to celebrate 39 years of conserving what's best about Alaska! Learn about NAEC's current work while enjoying live music, food and drink under the new summer sun! Be sure to get a taste of the new Hot Licks flavor Arctic Refuge Wildberry Snap at this event!



Save The Date!

The Northern Line

Environmental News of Arctic and Interior Alaska

The Northern Line is published by the Northern Alaska Environmental Center (NAEC), 830 College Rd., Fairbanks, Alaska, 99701. EMAIL: info@northern.org WEB: www.northern.org Copyright © 2010 by NAEC. All rights reserved. Subscription rate is \$35 annually and includes membership. We encourage submission of letters and articles for publications. We reserve the right to edit all submissions. The Northern Alaska Environmental Center is a 501(c)(3) non-profit organization.

MISSION: The Northern Alaska Environmental Center promotes conservation of the environment in the Interior and Arctic Alaska through advocacy, education, and sustainable resource stewardship.

The Northern Alaska Environmental Center has 1510 members*
**To accurately reflect the number of household members who reside at the same address as partners and spouses sharing similar environmental values and read the Northern Line, it is standard practice to use a single multiplier factor of 1.67 to estimate members who have given in the past 18 months.*

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Yukon Flats Refuge Land Swap Halted

In April the U.S. Fish & Wildlife Service began a new chapter for responsible stewardship by formally ending its Yukon Flats National Wildlife Refuge land exchange.

Since 2004, NAEC worked with a coalition of tribes and conservation groups to defend the integrity of the Yukon Flats Refuge, Beaver Creek Wild River, and White Mountains National Recreation Area from oil industry roads and pipelines spurred by the land trade. "Global climate change is at our front door," said Michael Peter, First Chief of the Fort Yukon Tribe, "and instead there has to be better alternatives to sustain our communities with renewable energy resources."

The vast majority of over 100,000 public comments submitted to the agency opposed the controversial land swap and subsequent oil exploitation, including most testimony provided in public hearings and from many tribal governments.



Celebrating 50 years of the Arctic Refuge



Our polar bear tasted the new flavor—wild cranberries, blueberries, vanilla and gingersnaps—presented by NAEC and Hot Licks Homemade Ice Cream to celebrate 50 years of Arctic Refuge wilderness. © Laenne Thompson

December 6, 2010 marks the 50th Anniversary of the Arctic National Wildlife Refuge. Let the festivities begin! Check out the upcoming events on the back page, get involved in the Comprehensive Conservation Plan process (see page 3), and grab the DVD and ice cream mentioned below:

- **Alaskan Voices DVD:** Dozens of Alaskans speak about why protecting the Arctic Refuge matters to them on this DVD produced by last summer's Arctic interns Stacey Carkhuff and Jenna Hertz. Contact NAEC for a copy (\$5 per copy) or view it online at www.northern.org.
- **Arctic Refuge Wildberry Snap:** be sure to stop by Hot Licks in Fairbanks to savor the Arctic Refuge flavor!

Member Profile

We always like to learn more about you, our members, so we can better serve and engage you. We like to know where you travel, why you're part of NAEC, and other fun facts. Occasionally we'll publish these, so you can get to know your fellow NAEC supporters. To share your info, send an email to Membership Coordinator Lori Hanemann at lori@northern.org and she'll be in touch.

Name: Jack Dant

Where are your feet right

now: Lower Canoncito, Santa Fe County, New Mexico, North America, PLANET EARTH!

Occupation: Assistant Director of Santa Fe Ski Patrol, Lead Guide for The Wild Resiliency Institute, Owner of RainHarvest, LLC.

Favorite Mountain: Can't pick a favorite!

Favorite ice cream flavor: I'm more of an opportunivore, I'll eat about any flavor!

Outdoor recreation of choice: Skiing, boating, mountain frisbee golf, backpacking, climbing.

Became a member of the Northern Center because....:



I volunteered in 1998 in the Fairbanks office as a student of Glendon Brunk and Prescott College.... I was impressed by the staff, but especially by the incredible northern landscapes and animals.

Member since: I think 1998.

When I travel, I always bring my ____: Kids, if I think they'll be able to make it!

3 things that can always be found in your refrigerator:

Veganise, Carrots, and a bottle of champagne left over from 2001.

Special talents: I can blow bubbles off my tongue. My record is seven consecutively.

Protecting Arctic Refuge Wilderness and Seas

By Pamela A. Miller

Help Promote Arctic Refuge Wilderness

Until June 7, the Arctic National Wildlife Refuge is taking comments on its Comprehensive Conservation Plan that includes a wilderness review. While only Congress can apply the protective Wilderness overlay to refuge lands, the plan's wilderness review provides the stepping stones for such stronger protections if it recommends wilderness designation. You can be sure that Big Oil is pushing to make sure this never happens!

In this 50th anniversary year of the Arctic Refuge, we celebrate the success its founders fought so hard to achieve. Your reasons for supporting the wholeness of this remarkable intact ecosystem are ultimately as important as those of ground-breaking NAEC member Ginny Hill Wood who testified to Congress in 1959 on the proposal to establish the Arctic National Wildlife Range, "The esthetic, spiritual, recreation, and educational values of such an area are those one cannot put a price tag on any more than one can on a sunset, a piece of poetry, a symphony, or a friendship."

President Obama's Offshore Oil & Gas Policy: America's Arctic Ocean and Surrounding Coasts Still at Risk

President Obama and Interior Secretary Ken Salazar announced their long-awaited policy for offshore oil and gas on March 31, 2010. The good news for Alaska is that President Obama protected Bristol Bay—the nation's richest fishery worth over \$2 billion annually—by withdrawing it from leasing until 2017.

President Obama endorsed exploratory drilling in the Beaufort and Chukchi Seas on areas leased by the Bush Administration. While he cancelled four lease sales in these Arctic seas, he also called for more oil leasing here in 2012-2017.

The administration said its decision was based on sound science, however, it prematurely allowed imminent drilling by Shell Oil in the Beaufort Sea off the Arctic Refuge and in the Chukchi Sea where there is insufficient baseline science to determine the potential impacts to marine and coastal habitats, wildlife, and the subsistence Inupiat culture.

In early May, the 9th Circuit Court of Appeals will hear the legal challenge from NAEC, who joined with the Native Village of Point Hope and other conservation and Alaska Native organizations, to appeal the Interior Department's approval of Shell Oil's exploratory drilling.

NAEC recommends a time-out to achieve a cautious, science-based approach and let science determine how best to proceed in this fragile, changing ecosystem. [One way to reduce our dependence on foreign oil is to make cars go farther on a gallon of gas.] We need to harness our most extraordinary resource—American ingenuity—to develop Alaska's clean renewable sources of energy like solar, wind, geothermal, and hydrogen. ♻️

Visit www.northern.org to take action to protect the rich marine life of the Beaufort and Chukchi Seas.



WHAT YOU CAN DO

**Written Comments due
June 7, 2010**

MAIL

**Arctic National Wildlife Refuge
U.S. Fish and Wildlife Service
Attention: Sharon Seim
101 12th Ave, Rm 236
Fairbanks AK 99701-6237**

EMAIL

arcticrefugeccp@fws.gov

Speak from your heart about why the Arctic Refuge wilderness matters to you. If you have been there, conjure up its scenic beauty and naturalness, solitude, the uniqueness of your experience, and its special ecological, scientific, cultural and other values. Address ways the coastal plain is knitted into the fabric of the Arctic Refuge, a vital beating heart connecting caribou, clean air, pure water, birds, and freedom across time and vast landscapes for future generations.

- Urge that the plan recommend wilderness for the entire coastal plain (1002 Area) and also for all non-designated lands so that the wilderness, wildlife, and subsistence values of the whole refuge are protected for future generations.
- Support wilderness review for the entire Coastal Plain and for all refuge lands not yet designated as wilderness.
- Support safeguarding the wilderness qualities and integrity of the ecosystem of the refuge as a whole through appropriate stewardship.
- Oil and gas leasing, exploration and development would permanently harm the wildlife and wilderness values of the coastal plain and rest of the refuge.

For more information, visit or email:

- arctic.fws.gov/ccp.htm
- www.northern.org
- Pamela Miller pam@northern.org



Energy Efficiency in Alaska: Practical and Simple Steps to Substantial Change

By Jessie Peterson,

The REEL (Railbelt Electricity Efficiency Landscape) in Alaska Roadmap is a breakthrough success in the effort to find practical and applicable solutions to Interior Alaska's energy challenges. The comprehensive report was completed by Natural Capitalism Solutions through grant funding and collaboration with the Alaska Conservation Alliance and its partnering organizations, including the NAEC. The report outlines in detail how Alaska's Railbelt region, from Fairbanks to Homer, can achieve electrical energy efficiency savings of 50% by 2025. To understand this in another context, the report outlines how the Railbelt region can meet its energy needs with only half the electrical energy used in 2000. The analysts who completed the report framed their work with the goal of creating energy efficiency improvements of 3.3% each year from 2010 until 2025. The report truly is a "roadmap" that deconstructs the challenge of a 50% electricity energy savings by identifying the policies, technologies and financial incentives to navigate the seemingly complex process.

An energy savings of such dramatic amounts within the next 15 years will positively impact Alaska in several ways. For the citizens in Railbelt communities such as Fairbanks, the efficiency improvements recommended in the REEL report will lower and stabilize energy costs for families, individuals, businesses and utilities. The economic analysis included in the REEL report indicates the following economic gains from the energy savings: an increase in economic output of up to \$947,992,100, an increase in wages of \$290,927, 800, and the creation of an estimated 9,350 new jobs (see the *Executive Summary*, page 5). All of these significant economic improvements are possible by using energy more efficiently and deliberately in conjunction with incremental improvements in energy use practices and technologies.

Turning to energy efficiency to find energy relief before looking at multi-billion dollar new development projects or increased oil and coal development is the practical first step in finding energy solutions for our extreme climate. Energy efficiency



Signs included in the report point the way to energy savings through efficiency.
© Natural Capitalism Solutions

does not mean doing without or sacrifice; on the contrary it brings the opportunity to transform our communities into thoughtfully-planned, appropriately-sized, innovative places where, as the authors of the study report, "energy efficiency, done right, results in spending less money to provide increased levels of service."

ACA and Natural Capitalism Solutions clearly realize such paradigm shifts will not happen immediately, but with focus and prioritization of the goal of only 3.3% energy efficiency improvements for the next 10 years, Alaska's Railbelt region can find relief from staggering energy costs and heavy, destructive fossil fuel reliance. Each citizen can take action by contacting legislators, policy makers, utility boards, and neighbors to ensure they are familiar with the REEL in Alaska report. We as Alaskans have an opportunity to use this report for the purpose of why it was created – to offer guidelines and specific first steps to realistically achieve this monumental level of electrical energy savings by 2025 and beyond. ♻️

READ MORE! View the Full Report or Executive Summary:
<http://akvoice.org/policy-positions/reel-in-alaska-roadmap>

AND MANY MANY
THANKS
TO:

Gary Newman for fixing phones, Stan Justice for ventilation maintenance and more, and Heidi Supkis for donating lettuce and nasturtiums for the NAEC staff garden. Special Thanks to Sun-Air Sheet Metal for donating our new bike rack. Just in time for summer!

Alaska Legislative Session Report

By Lissa Hughes

The 2010 Alaska Legislature adjourned in the early hours of April 19th and resulted in huge wins for the Northern Alaska Environmental Center and other conservationists throughout Alaska, including monumental energy legislation, SB 220 and HB 306, and bills affecting Interior lands, HB 267 and SB 195.

ENERGY *Success!*

SB 220 "*The Alaska Sustainable Energy Act*," was passed in to law on the 90th and final day of the legislative session. It includes a broad range of policy tools designed to attract investment in Alaska's energy sector and stimulate the economy, including:

- **An Energy Efficiency Revolving Loan Fund** which will fund energy efficiency improvements (\$250 million through the Alaska Housing Finance Corporation) in public buildings, such as school districts, municipalities, state government, and the University of Alaska with low-interest loans for upgrades. Based on observations of last year's *Weatherization and Home Energy Rebate* programs, this could create 1,500 to 2,000 new jobs in the construction industry in Alaska.
- **Leading by Example:** SB 220 requires the state to retrofit at least 25% of the largest state buildings by 2020 to reduce energy costs. The Department of Transportation and Public facilities has already begun to upgrade those buildings most in need. While annual saving for the first 8 buildings was expected to be \$278,000 a year, savings have averaged \$497,000, making this new requirement a significant money-saver for the state.
- **The Emerging Energy Technology Fund** will provide grants for testing energy technologies in Alaska. This fund would foster innovation and enable Alaskans to develop solutions to our energy challenges; create high-tech jobs and spur investment in our economy.
- **Help for Alaskan Families When Fuel Prices Soar:** Additional assistance will be offered to low-income families when fuel prices are high, as a supplement to the federal Low-Income Heating Assistance Program.
- **Loans for Alaskan Businesses:** the Alternative Energy Loan Program will be revitalized within the Department of Commerce and Economic Development by providing loans up to \$50,000 to businesses for energy efficiency and alternative energy upgrades.

HB 306 "*An Act declaring a state energy policy*," was passed into law and provides for energy efficiency and renewable energy goals introduced by the Alaska Conservation Alliance as part of its Energy Vision for Alaska to:

- Achieve a 15% increase in energy efficiency on a per capita basis between 2010 and 2020.

- Receive 50% of its electric generation from renewable and alternative energy sources by 2025.
- Work to ensure a reliable in-state gas supply for residents of Alaska.
- Remain a leader in petroleum and natural gas production and become a leader in renewable and alternative energy development.

LAND *Success!*

HB 267 "*An Act relating to travel by snow machine within five miles of the right-of-way of the James Dalton Highway*," was successfully defeated after it met fierce opposition from a variety of interests, including NAEC, the North Slope Borough, Alyeska Pipeline Service Co. and numerous residents who live along the Dalton corridor. The proposed legislation would have violated a long standing commitment made by the State of Alaska to protect wildlife and subsistence use on the North Slope. Snow machine access along with the Alaska Board of Game's recent decision to increase the bag limit from 2 to 5 caribou could have resulted in disastrous effects on the Western Arctic Caribou Herd and those that rely on the herd for subsistence.

SB 195 "*An Act relating to the repeal of the establishment of the Goldstream Public Use Area*," passed to make permanent a recreation designation for a swath of land in the Goldstream Valley. The Goldstream Public Use Area is a multi-use area utilized year-round by dog mushers, snow machiners, cross-country skiers, skijorers, anglers, hunters, trappers, wildlife viewers and photographers, who maintain the trails at no cost to the State. The bill stripped a sunset date attached to the 20 year-old designation. A slate of outdoor groups including the Northern Alaska Environmental Center, advocated for long-term protection of the 2,000-acre public use area. SB 195 was sponsored by Sen. Joe Thomas, D-Fairbanks. Thank him if you get the chance while he's in town this summer! 🍷

The Northern Center THANKS

all those who helped make the 2010 Alaska Conservation Alliance Legislative Fly-In's a success! Participants include: **Tara Callear, Ian-Michael Hebert, Kristen Lamb, Brett Parks, David Pelunis-Messier, Sue Sprinkle and Mary Walker.**

A special thanks to **Nicole Fliss** for all of her hard work and advocacy, which played a huge role in the defeat of HB 267, and to all who testified or wrote letters of opposition!

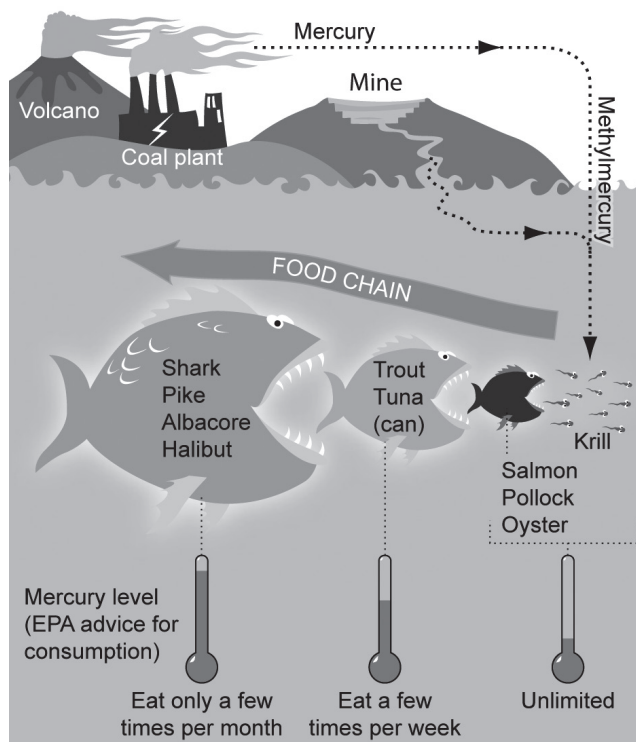
What's at Stake in Donlin Creek

By Brook Brisson

The second longest river in Alaska and the longest free-flowing river in the United States is the Kuskokwim River, which provides habitat for five species of Pacific salmon and supports one of the largest subsistence fisheries in Alaska. The watershed — at 58,000 square miles — is an important habitat for a whole suite of aquatic and terrestrial animals. But this incredible area is faced with a threat: mercury pollution from the Donlin Creek Mine Project.

The Donlin Creek Mine Project is a proposed gold mine located 13 miles north of the village of Crooked Creek and the Kuskokwim River. A major environmental and health concern for developing this mine is the presence of mercury in the ore. Historically, mercury mining occurred in the Kuskokwim River watershed; because of the time period when these old mercury mines were operating, there were no restrictions on how the mines handled their waste products. Thus, significant amounts of mercury were introduced into the Kuskokwim River watershed. Mercury continues to be released from some old mine sites as a result of erosion of rocks and soils containing mercury. Because of past mercury emissions, pike, a freshwater fish found in the Kuskokwim River, contain high levels of mercury, making them unsafe to eat. And studies of mercury accumulations in women across Alaska have indicated that people living in the Kuskokwim River watershed have elevated levels of mercury in their bodies. Thus, the Kuskokwim River, and the fish and people of the region, have already been impacted by mercury pollution from mining.

If the Donlin Creek Mine Project moves into production, mining and milling will emit both point and fugitive source mercury pollution—*point sources* include stacks and vents; *fugitive sources* include waste



Mercury Cycle © Ground Truth Trekking

rock piles and the tailings pond. Calculations based on information provided by the Donlin Creek LLC predict that the mine could release 21-42 tons of mercury per year solely from milling operations. In addition, rock that does not contain high enough levels of gold for processing will be placed in waste rock piles, where the rocks containing mercury will be susceptible to erosion, releasing additional mercury into the environment. Currently, there are no legal limits on the amount of mercury a mine can emit. The federal Environmental Protection Agency will soon release regulations limiting the amount of mercury a mine can emit from point sources but these proposed regulations would not limit fugitive source emissions or

require monitoring of fugitive sources. Thus, there would be no limits on some major sources of mercury emissions at the mine in an area already impacted by mercury pollution.

It is vital that any mine plan and accompanying permits include strict limitations and monitoring requirements for all sources of mercury emissions from the mine. The Kuskokwim River and the plants, animals, and people who depend on it cannot afford for a mine to operate any other way. ♻️

LEARN MORE about the Donlin Creek Mine Project at www.northern.org.

RED DOG MINE PERMIT UPDATE

Success!

In an NAEC victory, the EPA recently withdrew key permit limits from the Red Dog Mine's newly issued wastewater discharge permit, substituting stricter limits in their place.

Sign up for the **Mining Memos list-serv** to keep up-to-date on the Red Dog Mine discharge permit appeal at www.northern.org.



CONGRATULATIONS to Susan Delisa for winning movie tickets in April! Send us your current email address and WIN FREE MOVIE TICKETS in July! See page 1 for details.

Pioneering Pilot, Conservationist Given Congressional Gold Medal

By Pamela A. Miller

Ginny Hill Wood, 92, was awarded the Congressional Gold Medal – the highest and most distinguished award Congress can award to a civilian – for service in the Women's Airforce Service Pilots (WASP) during World War II. Senator Lisa Murkowski presented the medal to Ginny at her cabin outside of Fairbanks on April 2 and was moved by Ginny's pioneering accomplishment for women as they talked and viewed her WASP scrap book. They were the first women ever to fly American military aircraft and they flew almost every type of aircraft operated by the Army Air Force during their noncombat military missions. About 300 of the original 1,100 WASP are still alive to receive this long overdue recognition. Ginny volunteered for WWII service because she loved to fly and eventually flew to Alaska in January 1947 after 27 days flying from Seattle in bitter cold. She and fellow WASP pilot and NAEC co-founding member, the late Celia M. Hunter, became pioneering conservationists fostering protection of the Alaskan wilderness. 🌿



NAEC founding member Ginny Wood receiving the Congressional Gold Medal from Sen. Lisa Murkowski. © Amy Johnson

NAEC Introduces...



Arctic Program Intern

Hannah Thornton

Hannah grew up in North Carolina and recently graduated from University of South Carolina with a degree in Public Relations. She worked with her school's Ducks Unlimited chapter where she planned events for wetlands conservation and interned with South Carolina Wildlife Federation.



Summer Clean Energy Organizer

Amy Snider

Amy is a senior at the University of Alaska Fairbanks majoring in Environmental Policy and Natural Resource Management. Amy interned throughout the school year at NAEC as our first Campus Energy Organizer and is excited to continue her work on clean energy at NAEC this summer focusing on renewable energy solutions in the community.



Clean Water & Mining Intern

Jennifer Hanlon

Jennifer was born in Anchorage and raised in Yakutat, and she is the daughter of a commercial and subsistence fisherman and a member of the Yakutat Tlingit Tribe. Graduating with a B.A. in Global Environmental Studies from Clark University in May, Jennifer is eager to join NAEC as the Clean Water and Mining Intern.



Summer Clean Energy Organizer

Siri Simons

Siri is a junior Environmental Science, Policy, and Management student at the University of Minnesota-Twin Cities where she also serves as President and Media Coordinator for the Sierra Club's Beyond Coal campus campaign. A native to Minnesota, Siri looks forward to enjoying all things outdoors now that spring has (finally) sprung!"

Campus Energy Organizer Report

Success!

By Amy Snider

My internship with NAEC as the Campus Energy Organizer has been action-packed! It all began with just me, a senior at University of Alaska Fairbanks (UAF), and an interest in environmental issues related to energy. What started as simple education effort – a campus energy survey – grew into a campus club, "UAF Beyond Coal." We hosted community events, including, a National Coal Ash Awareness Day, National Clean Air Day, a four-week long energy film festival, and a larger educational and activism event called "Coal Unplugged." We also did grassroots organizing to gather hundreds of written and photo petitions which were given to UAF Chancellor Rogers, who has now asked to meet with me to talk about other energy options for our campus. Special thanks to the Alaska Conservation Foundation, NAEC and the Alaska Coal Working Group who provided the opportunity and forum that allowed me to learn and engage with energy issues – it's already made a difference!



Campus Energy Organizer Amy Snider working hard with UAF Beyond Coal volunteer Heather Warren. © Lindsey Hajduk



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Calendar of Events: June-September

June 12 Camp Habitat 20th Anniversary Celebration

12 – 4pm @ Creamer's Field (1300 College Road, Fairbanks). Alumni, campers, directors, staff, parents, and everyone is welcome! Hike, sing, and explore to get a taste of the "Camp Habitat Experience." Drinks and light refreshments served. Adults: \$10, Children 5-18: \$5, Children under 5: Free. Visit www.creamersfield.org for more information.

June 20 Midnight Sun Festival

Noon – Midnight. Downtown Fairbanks. Volunteer or visit NAEC's booth, 3 stages of live entertainment from 30 performing artists, and family activities. To volunteer call Hannah Thornton, NAEC's Arctic Program Intern: intern@northern.org. More information: www.downtownfairbanks.com.

July 24 Golden Days Parade: Celebrate Arctic Refuge's 50th

10 am – Noon. Downtown Fairbanks. Volunteer to be 1 of the 50 caribou in NAEC's "Caribou Herd" in the parade. For more information contact Hannah Thornton at NAEC: intern@northern.org.

August 15 Run for the Refuge

Noon registration, 1 pm race from UAF West Ridge Ski Hut, Fairbanks. Celebrate the 50th Anniversary of the Arctic Refuge by running or walking a 5k or 10k through beautiful wooded trails at the University of Alaska Fairbanks. Entry fee/advance registration: Adults \$20 / Children \$10; day of race add \$5. Live music and prizes! Fun for the whole family! For more information, contact Hannah Thornton: intern@northern.org.

August 20-22 Sandhill Crane Festival

All weekend long @ Creamer's Field (1300 College Road, Fairbanks). **FRIDAY:** Keynote speaker is biologist and author Paul Johnsgard. **SATURDAY:** activities for the whole family, including NAEC activities connecting migratory birds to the Arctic and Creamer's Field Refuges. **SUNDAY:** Tex-Mex Dinner benefits Camp Habitat and sends the cranes on their south-bound journey. Sponsored by Friends of Creamer's Field, Arctic Audubon Society and the Alaska Bird Observatory. For more information: www.creamersfield.org. Contact Hannah at NAEC to volunteer for NAEC during the festival: intern@northern.org.

September 8 Northern Voices - Celebrate Arctic Refuge's 50th

7pm @ Noel Wien Public Library (1215 Cowles Street, Fairbanks). Speaker TBA. For more information contact Pam Miller: pam@northern.org.

SAVE THE DATE!

November 6: NAEC ANNUAL AUCTION @ the Princess Hotel

Nature Education & Ecology Camp

Camp Habitat 2010



*Space still left
in these sessions
but they're going fast!*

PRE-SCHOOL PROGRAMS

Half-Day Program	9am – 12pm
Ages 4 – 5	\$120
Nature Sprouts II	June 21–25

DAY CAMP PROGRAMS

Full-Day Program	9am – 4pm
Ages 8 – 9*	\$245*
Water Striders I	July 5–9
Water Striders II	July 12–16
Water Striders III	July 19–23

Ages 10 -11*	\$245*
Refuge Adventurers	July 19–23

**includes 1 overnight campout*

REGISTRATION ONLINE www.northern.org
or Call (907) 750-2298

4th Annual DON'T BE FUELISH Competition!

April – September 2010 Employees of Fairbanks businesses and agencies are teaming up to reduce greenhouse gases while saving money on fuel by carpooling, cycling, walking, running, using public transit and more during this annual friendly competition. The more, the merrier – sign your office team up and start tracking the fossil fuel miles you save on your commute!

Contact Lissa Hughes for details: liissa@northern.org