
Pacific Northwest Tribal Climate Change Network: Conference Call Notes and Email Bulletin – March 21, 2018

Participants:

- Haley Case-Scott, University of Oregon
- Mike Chang, Makah Tribe
- Eliana Chia, Fraser Basin Council
- Eliza Ghitis, Northwest Indian Fisheries Commission
- C Greene, Portland State University
- Shilpa Joshi, Renew Oregon
- Stephanie Krantz, Nooksack Tribe
- Frank Lake, USDA FS Pacific Southwest Research Station
- Dennis Longknife, Fort Belknap Indian Community
- Jonathan Long, USDA Forest Service Pacific Southwest Research Station
- Kathy Lynn, University of Oregon
- John Mankowski, North Pacific Landscape Conservation Cooperative
- Paul McCollum, Port Gamble S'Klallam Tribe
- Amber McCullum, NASA Ames Research Center
- Miakah Nix, University of Oregon
- Rachael Novak, Bureau of Indian Affairs
- Sascha Peterson, Adaptation International
- Noel Plemmons, Portland State University
- Holly Prendeville, Northwest Climate Hub
- Michael Rossotto, Quileute Tribe
- Colleen Sanders, Confederated Tribes of Umatilla Indian Reservation
- Casey Thornbrugh, NE Climate Science Center
- Jeff Trammell, Sauk-Suiattle Tribe
- Lisa Watt, EcoTrust
- Carlotta Whitecrane, Karuk Tribe
- Fletcher Wilkinson, Samish Indian Nation

Meeting Minutes

Examining the effects of climate change on American Indian uses of forests, habitats and resources in Pacific Northwest and Northern California

Frank Lake, USDA Forest Service – Pacific Southwest Research Station presented the objectives of proposal under development for the Northwest Climate Science Center. Frank shared that the purpose of sharing the draft research objectives and methods is to get input from tribes in the region about how to make the research and resulting resources meet the priorities of tribes in the region. The geographic region for this proposed project includes Oregon, Washington and Northern California. Frank shared that key objectives of this effort are to:

- Develop a report that addresses the unique relationship that tribes, with their traditional knowledges and cultural practices, have with forested landscapes.
- Focus on the ways in which tribes rely on forest habitats and resources for their economic well-being and cultural identity.
- Examine how changes in climate and associated disturbance regimes have been and are expected to continue affecting tribes.
- Serves to assist the federal trust responsibility that public land management agencies have in working with tribes to respond to these changes on ceded and ancestral lands.

There were numerous comments and suggestions about the research proposal:

- Several people suggested adding a focus on education, including the inclusion of traditional knowledges in science for younger generations to acknowledge.
- Several people also asked about the geographic boundaries and suggested that tribes from Idaho, Montana and even in British Columbia would benefit from findings from this research and have important information to contribute. Frank clarified that the geographic region selected for this study is based on the expertise of the project team and need to refine the scope of work. John suggested that it would be helpful to include a synthesis from tribal efforts in British Columbia. Stefanie suggested that including tribes in Idaho would help to address gaps in climate change efforts, science and resources in those states. Current challenges facing some tribes includes a lack of information and better climate projection information is a real need.

- Another comment provided a request that the study look broadly at traditional indigenous knowledge and not just Traditional Ecological Knowledge.
- Lisa Watt asked if this project would include an assessment of available climate funding for tribes, and how those kinds of grant funds translates onto what tribes are doing on the ground. Frank suggested that the project would build on the funding guide that is part of the Tribal Climate Change Project and could work to identify new opportunities to support and strengthen tribal climate change efforts.
- Rachel asked if the project team would be working with tribal organizations such as the Intertribal Timber Council and other regional intertribal groups in addition to individual tribes? Frank stated that the project intends to work with tribal organizations such as ITC, as well as local tribal groups and practitioners. Limited funding for travel will be a limitation on the project.
- Joe mentioned the importance of including social vulnerability in the project given the cultural and social ties that many tribes have to the environment. He suggested looking at the work that the Swinomish Tribe has done with Indigenous Health Indicators. Frank stated that part of track 3 identified by the Northwest Climate Science Center focuses on social vulnerability, and he wants to incorporate specific social effects on tribes, including the indicators among tribal communities related to social and cultural vulnerability to climate change.

Frank mentioned that there is an opportunity for letters of support to accompany this proposal. While he recognizes that the short timeframe may not allow for a tribal council to submit a formal letter of support, if anyone wants to send an email to Frank (franklake@fs.fed.us) or Kathy (kathy@uoregon.edu) in support of this project, Frank would like to compile those responses and submit it as part of the proposal.

Clean Energy Jobs Bill

Shilpa Joshi with Renew Oregon provided an update on the Clean Energy Jobs Bill in Oregon. [The Clean Energy Jobs Bill](#) is “a policy to put a limit and price on climate pollution from the largest polluters in the state. It will secure greenhouse gas reductions and reinvestment into communities across Oregon to create clean energy jobs and a thriving economy, especially in communities that need it most. By the end of the 2017 legislative session, the bill had 33 co-sponsors in the House and Senate.” Key elements (as noted on the [Renew Oregon website](#)) from the Bill include:

- **Cap:** Limit climate pollution statewide for emitters of 25,000 tons of greenhouse gases per year, about the equivalent of burning 133 train cars full of coal. In other words, your favorite brewery or the store down the street will not fall under the cap, **only the largest polluters** in the state. The cap will decline over time through 2050 to ensure we reach our reduction targets and provide certainty for business.
- **Price:** The largest emitters will pay for every ton of climate pollution they put into our air. The price is stable and adjusted over time to ensure the cap is not exceeded giving polluters **incentive to cut emissions and allowing flexibility to do so efficiently and at least cost.**
- **Invest:** Hundreds of millions of dollars per year will be reinvested in clean energy solutions -- like **affordable solar, energy efficiency upgrades to homes and businesses, more transportation options**, and job training programs. Investment will be targeted to rural communities for projects like wild re prevention, drought protection and clean energy. Equity and a just transition to clean energy are central to the policy.

Shilpa shared that they have been working with tribes on the Clean Energy Jobs Bill and recent amendments included a tribal set aside for 10% in the climate investment funds and overlap for tribes to get investment , including a set aside for working lands. Shilpa noted that these are not guarantees for the final legislation. The House and Senate versions of the Bill did not come to a floor vote, but they anticipate a lot of support in the next legislative session.

Shilpa shared that Renew Oregon and other partners held a meeting with Washington Tribes to learn more about what tribes in Washington are doing to connect jobs and clean energy. Shilpa noted that in Oregon, they had formal letters of support from the Confederated Tribes of Warm Springs and the Confederated Tribes of Umatilla Indian Reservation, as well as support in a recent meeting with the Siletz Tribe and testimony given by the Chairwoman of the Grand Ronde Tribe. Shilpa will share more information as it becomes available. You can contact Shilpa at shilpa@reneworegon.org if you have questions or would like to be involved.

Tribes/First Nations Climate Summit Proceedings – December 2017. On December 13-14, 2017, over 150 members of the region’s Tribes and First Nations gathered in Northern Washington for a unique and important

event. They came together to assess progress that has been made understanding and preparing for the many ways in which our rapidly changing environment affects traditional ways of life. The forum was supported by the Tulalip Tribes, the North Pacific Landscape Conservation Cooperative (NPLCC), BIA's NW Regional Office, the Affiliated Tribes of Northwest Indians, and the University of Oregon's PNW Tribal Climate Change Network. Additional information about this event can be found at <http://atnitribes.org/climatechange/events/>.

The proceedings provide a synthesis of the notes taken during the plenary sessions and breakouts during the Summit. The notes are intended to provide the perspectives of and suggestions made by the participants at the Summit and to provide specific ideas on moving forward with collective actions among tribes and First Nations to address climate change. Note-takers took over 50 pages of raw notes, and there are undoubtedly omissions in this synthesis. If you have key messages and recommendations that you would like to see added to proceedings, or other comments or questions, please email Don Sampson (don@seventhgenerationllc.com), Kathy Lynn (kathy@uoregon.edu), or John Mankowski (john_mankowski@fws.gov). The proceedings will also be posted on ATNI's Climate Change website and the North Pacific Landscape Conservation Cooperative.

Announcements

Save-the-Date: Protecting Mother Earth Conference. June 21- July 1, 2018. Nisqually Territories, Between Olympia and Tacoma Washington. Join us to learn how Indigenous Knowledge can foster climate justice through exploring environmental health, the harms of extreme energy initiatives and how to find solutions through clean renewable energy and upholding the territorial integrity of mother earth. For more information, visit: <http://www.ienearth.org/wp-content/uploads/2018/02/SAVEtheDateMed.png>.

Climate Adaptation Knowledge Exchange (CAKE). The Climate Adaptation Knowledge Exchange (CAKE) program is an open-access community website filled with on-the-ground adaptation case studies, resources and tools. Drawing from the feedback of our 2017 User Survey, CAKE is updating the site by streamlining its look and feel, clearly organizing resources, and improving navigation. For more information, visit: <http://www.cakex.org/>.

Nominations being accepted for the [Climate Adaptation Leadership Award](#)! Nominations accepted until April 13, 2018. Please see information [here](#). The nomination form is [here](#). "The Association of Fish and Wildlife Agencies and partners are seeking nominations for the Climate Adaptation Leadership Award (Award) which recognizes outstanding efforts to increase the resilience of America's valuable living natural resources and the many people, businesses and communities that depend on them. Nominations will be accepted using [this form](#) until April 13. Individuals, groups, organizations, and government agencies are eligible to apply. Five to seven Awards (and Honorable Mentions) are expected to be announced in September 2018. Nominators should [review the criteria found here](#) before completing the [form](#)."

OA Information Exchange. The Ocean Acidification Information Exchange and its members advance understanding of ocean acidification through collaboration and information sharing to better prepare communities to respond and adapt to acidification. <https://www.oainfoexchange.org/index.html>

BIA Tribal Resilience Program Updates. There are four new updates to the BIA TRP News and Events page at: <https://www.bia.gov/bia/ots/tribal-resilience-program/news-events>

- [UPDATED! BIA Tribal Resilience Program and Youth Brochures](#)
- [3/20-21/2018 – New Mexico Tribal Resilience Workshop](#)

National Tribal Water Council (NTWC) Launches New Website. The National Tribal Water Council is pleased to launch a new website here: <http://www.nau.edu/ntwc>. "The NTWC was established to advocate for the best interests of federally-recognized Indian and Alaska Native Tribes, and Tribally-authorized organizations, in

matters pertaining to water. It is the intent of the NTWC to advocate for the health and sustainability of clean and safe water, and for the productive use of water for the health and well-being of Indian Country, Indian communities, Alaska Native Tribes and Alaska Native Villages."

[Second State of the Carbon Cycle Report \(SOCCR-2\) Update](#). The Second State of the Carbon Cycle Report has completed its reviews. The report from the Committee to Review the Draft Second State of the Carbon Cycle Report can be read or downloaded from the NASEM website [here](#). The SOCCR-2 team and USGCRP thank the Committee and the public comment participants for all of their efforts.

Funding Opportunities

The online tribal climate change guide lists current and future funding opportunities here: <http://tribalclimateguide.uoregon.edu/>. If you have updated information on any grants or programs or new grant sources to recommend for the guide, please email kathy@uoregon.edu.

National Forest Foundation Travel Scholarships. Applications accepted on a rolling basis. The National Forest Foundation is pleased to offer an exciting opportunity for recent grant recipients to leverage their conservation impact. NFF grant recipients are eligible to submit an application to receive free roundtrip e-Passes anywhere that Southwest Airlines flies in the continental US and Puerto Rico. Recipients can use e-Passes to travel to workshops, trainings, conferences, or other similar events or activities related to NFF's Mission: *Engaging Americans in promoting the health and public enjoyment of our National Forests*. Applicant organizations must have received a grant from the NFF between 2012 and 2018 and be in good standing with no overdue reports or other deliverables. All travel must occur by January 10, 2019. For more information, follow link: <https://www.nationalforests.org/grant-programs/travel-scholarships>

Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program (WAMS). Applications due March 28, 2018. This program supports research and extension projects that have robust collaborations to increase the participation of women and underrepresented minorities from rural areas in science, technology, engineering, and mathematics fields that are relevant to USDA priorities identified by the Secretary: (i) Promotion of a safe, sufficient, and nutritious food supply for all Americans and for people around the world; (ii) Sustainable agricultural policies that foster economic viability for small and mid-sized farms and rural businesses, protect natural resources, and promote value-added agriculture; (iii) National leadership in climate change mitigation and adaptation; (iv) Building a modern workplace with a modern workforce; and (v) Support for 21st century rural communities. For more information, follow the link: <https://nifa.usda.gov/funding-opportunity/women-and-minorities-science-technology-engineering-and-mathematics-fields>

Northwest Climate Science Center Research Funding Opportunity. Proposals due March 30, 2018. Project proposals must relate to elements of the NW CSC Science Agenda for 2018-23 (https://www.nwclimatescience.org/science_agenda). The NW CSC Science Agenda for 2018– 23 charts the overall science direction and research opportunities for the NW CSC over the next 5 years in response to stated regional natural and cultural resource management priorities. The anticipated products build upon an extensive research portfolio funded by the NW CSC from 2011 to 2017. Contact Gustavo Bisbal (NW CSC Director, gbisbal@usgs.gov, 541-750- 1020) with any questions about this NW CSC Funding Opportunity. We anticipate that approximately \$500,000 to \$1,000,000 may be available to support the NW CSC's science priorities in Fiscal Year 2018. Only invited proposals may be submitted in response to this Funding Opportunity. Parties from other organizations (Federal, State, Tribal, or other) can participate and receive funds via subawards from the PI, but the proposal PI must be from an eligible organization, see full RFP for more detail- https://my.usgs.gov/rfpManager/events/northwest_csc/Funding_Opportunity_FY_18

The Wildlife Conservation Society Climate Adaptation Fund. Pre-Proposals due April 6, 2018. The Wildlife Conservation Society (WCS) is pleased to announce a new round of grant-making through its Climate Adaptation Fund - a program to support projects that implement effective interventions for wildlife adaptation to climate change. The Climate Adaptation Fund is made possible by a generous gift from the Doris Duke Charitable Foundation. With funding managed by the Wildlife Conservation Society, the WCS Climate Adaptation Fund will provide up to \$2.5 million in competitive grants in 2018. Grants will be one to two years in length. Awards will be made to non-profit conservation organizations for applied, on-the-ground projects focused on implementing priority conservation actions in order to adapt to climate change at a landscape scale. With funding managed by the Wildlife Conservation Society, the WCS Climate Adaptation Fund will provide up to \$2.5 million in competitive grants in 2018. Grants will be one to two years in length. Awards will be made to non-profit conservation organizations for applied, on-the-ground projects focused on implementing priority conservation actions in order to adapt to climate change at a landscape scale. For more information, go to: <https://www.wcsclimateadaptationfund.org/program-information/>

Conservation Collaboration Grants or Agreements FY 2018. Deadline is April 13, 2018. The Natural Resources Conservation Service (NRCS), an agency under the United States Department of Agriculture (USDA), is announcing potential availability of grants and agreements for the purpose of leveraging NRCS resources, addressing local natural resource issues, encouraging collaboration and developing state- and community-level conservation leadership. Proposals will be accepted for projects located in the following states: Minnesota, Nebraska, North Dakota, South Dakota, and Wisconsin. For more information, go to: <https://www.grants.gov/web/grants/search-grants.html?keywords=Conservation%20Collaboration%20Grants%20or%20Agreements>

Energy Infrastructure Deployment on Tribal Lands – 2018. Deadline: April 19, 2018. Consistent with the Administration's all of the above energy strategy and recognizing the breadth of energy resources on Tribal Lands, energy infrastructure projects sought under this FOA are fuel and technology neutral. Specifically, under this Funding Opportunity Announcement (FOA), DOE's Office of Indian Energy is soliciting applications from Indian Tribes, which include Alaska Native Regional Corporations and Village Corporations, and Tribal Energy Resource Development Organizations to:

- Install energy efficiency measures and/or energy generating system(s) for tribal building(s) (Topic Area 1);
- Deploy community-scale energy generating system(s) on tribal lands (Topic Area 2); and
- Install energy system(s) for autonomous operation (Topic Area 3).

FY 2018- FY 2019 Pollution Prevention Grant Program. Applications are due April 26, 2018. EPA is calling for grant proposals from state and tribal agencies, universities, colleges and other organizations to provide pollution prevention (P2) technical assistance or training to businesses. These two-year projects are expected to be performed in each EPA region. Grant proposals should focus on one or more of the following P2 priority areas, referred to as National Emphasis Areas (NEAs):

- NEA #1: Business-Based Pollution Prevention Solutions Supporting Toxic Substances Control Act (TSCA) Priorities and Chemical Safety
- NEA #2: Food and Beverage Manufacturing and Processing:
- NEA #3: Hazardous Materials Source Reduction Approaches in States or Communities

For more information, go to: <https://www.epa.gov/p2/grant-programs-pollution-prevention>

2019 National Urban and Community Forestry Grant Program. Deadline is April 30, 2018. The National Urban and Community Forestry Advisory Council is seeking to establish sustainable urban and community forests, by encouraging communities of all sizes to manage and protect their natural resources, which, if well managed, improves the public's health, well-being, economic vitality, and creates resilient ecosystems for present and

future generations. Urban and Community Forestry Program Requirements. The Council recommends urban and community forestry projects that have national or multi-state application and impact through the U.S. Forest Service's competitive Urban and Community Forestry Challenge Cost-Share Grant Program. A proposal's content must meet the Urban and Community Forestry program authorities as designated by Congress in the Cooperative Forestry Assistance Act, (Section 9 PDF, pp. 19-24) State & Private Cooperative Forestry Handbook of Programs and the annual criteria set forth by the Council. For more information, go to:

<https://www.fs.fed.us/managing-land/urban-forests/ucf/nucfac>

Tribal Colleges Extension Services Program (TCEP). Applications due June 6, 2018. The Tribal Colleges Extension Services Program provides funding to (1) increase Extension program capacity at 1994 Land-Grant Institutions; and (2) address special needs, take advantage of important opportunities, and/or demonstrate long-term sustained benefits of Extension projects at 1994 Land-Grant Institutions. Awards will be made to support one or more of the following Extension base program areas: Agriculture; Community Resources and Economic Development; Family Development and Resource Management; 4-H and Youth Development; Leadership and Volunteer Development; Natural Resources and Environmental Management; and Nutrition, Diet and Health. To view the full FOA, go to <https://nifa.usda.gov/funding-opportunity/tribal-colleges-extension-services-program-capacity-tcep>

Job Opportunities

Great Plains Tribal Water Alliance Tribal Climate Liaison Position. Application Deadline: March 30, 2018. The Great Plains Tribal Water Alliance, Inc. is accepting proposals for a consultant agreement to perform professional services as a Tribal Climate Liaison. This agreement will require extensive travel to rural Indian Reservations within the North Central Region, which includes the states of Montana, Wyoming, Colorado, North Dakota, South Dakota, Nebraska, and Kansas. The position is located at the North Central Climate Science Center in Fort Collins, CO, and will work closely with CSC staff. The consultant reports to the Alliance Board of Directors. For more information: http://nafws.org/images/announcements/2018/030118_Climate-Liaison-RFP.pdf

Early Career Researcher Professional Development Training. Application deadline: April 2, 2018. The [South Central CSC](#) is pleased to announce their third [Early Career Researcher Professional Development Training](#) designed for graduate students, postdocs, and early career researchers (i.e., graduated within the last five years) from any discipline conducting climate-related research with relevance to the south-central U.S. (i.e., New Mexico, Texas, Oklahoma, Louisiana, or Texas/Louisiana coast). **The training will take place from August 5-10, 2018.** For more information, click link: <https://nccwsc.usgs.gov/content/sc-csc-now-accepting-applications-early-career-researcher-professional-development-training>

Native Youth Community Adaptation and Leadership Congress. Application deadline is April 6, 2018. Join students from across the country to discuss community adaptation and related environmental issues impacting Native peoples. The mission of the Native Youth Community Adaptation and Leadership Congress is to develop future conservation leaders with the skills, knowledge, and tools to address environmental change and conservation challenges to better serve their schools and home communities. The application is available online: https://docs.google.com/forms/d/e/1FAIpQLSf7Jx5RwUy6OmpUD8ObaLOO15ZAdyRZX4BgenO1UjcKd_W1kw/vi ewform.

- **WHO:** Native American, Alaskan Native, and Pacific Islander High School Students (in small groups of 3-5) *Accepted students will travel with one adult mentor from their community to and from the event.*
- **WHAT:** Native Youth Community Adaptation and Leadership Congress
- **WHEN:** July 1-7, 2018 *
- **WHERE:** National Conservation Training Center (NCTC), Shepherdstown, WV. <https://nctc.fws.gov/campus/>
- **COST:** None

All student travel to the Congress, lodging, and food costs at NCTC will be paid for by the Bureau of Indian Affairs and other federal agency partners. For further questions please contact NYCALC@nmwildlife.org

2018 Tribal Youth Health Policy Fellowship. Applications due April 6, 2018. The National Indian Health Board (NIHB) is pleased to announce that applications for the 2018 Tribal Youth Health Policy Fellowship are now open! The National Indian Health Board's second cohort of Fellows will consist of 12 Native youth from around the country to engage throughout the year in Indian health policy and programming efforts. The Fellows will engage in Indian health policy solutions, tell their personal story, and advocate for changes in the healthcare and public health systems important to their Tribal communities. The Fellowship provides youth with key opportunities for relationship- and skills-building that allows them to return home feeling empowered, connected to other Native youth, and well equipped to be the next generation of advocates for Indian health. **Apply here:** https://docs.google.com/forms/d/1Y-FPyyEjVQpscSiVCIVwdDk1ivMOhwVXoMsPok6-mV4/viewform?edit_requested=true

The Institute for Environmental Journalism. InsideClimate News is launching the nation's most intensive summer program for environmental journalism. The Institute for Environmental Journalism will be held in NYC from **July 9 to July 27** with the mission to train the next generation of environment and climate reporters. (A two-week option is also available.) We are seeking motivated and curious students who are preparing for college — students who want to explore journalism and immerse themselves in reporting on the most pressing environmental challenges of our time. This 15-day journalism boot camp will be held at St. Joseph's College in the Clinton Hill neighborhood of Brooklyn. It is a day program and students who cannot commute will be responsible for their own room and board. Students will learn from award-winning journalists and instructors about the fundamentals of journalism, climate science, clean energy technology, environmental justice, environmental policy, and news literacy. For more information on how to apply, click here.

Media, Publications and Online Resources

Fires Are Sometimes What a Forest Needs the Most. The Karuk Tribe in northern California has been prevented from practicing ceremonial landscape burns for 100 years. Now, ecologists are starting to realize that was a mistake. By *Kaleigh Rogers*, March 21, 2018. https://motherboard.vice.com/en_us/article/59jppb/fires-are-sometimes-what-a-forest-needs-the-most

Don Gentry: Natural gas pipeline poses major threat to Klamath Tribes. *Don Gentry, the chairman of the Klamath Tribes, and author Emma Marris, explain why the proposed Pacific Connector Gas Pipeline poses a threat to the Klamath River in Oregon.* By Don Gentry and Emma Marris. March 8, 2018. <https://www.indianz.com/News/2018/03/08/don-gentry-natural-gas-pipeline-poses-ma.asp>

On the Louisiana Coast, A Native Community Sinks Slowly into the Sea. By *Ted Jackson*. March 15, 2018. *The Biloxi-Chitimacha-Choctaw Indians of southern Louisiana have been called America's first climate refugees. But two years after receiving federal funding to move to higher ground, the tribe is stuck in limbo, waiting for new homes as the water inches closer to their doors.* <https://e360.yale.edu/features/on-louisiana-coast-a-native-community-sinks-slowly-into-the-sea-isle-de-jean-charles>

Upcoming Events

March 26-29, 2018. Reno, NV. [National Cohesive Wildland Fire Management Strategy Workshop— Making a Difference; Building Capacity, Improving Preparedness, and Learning From Experience.](#) The workshop will focus on building capacity in practitioners, improving preparedness to meet challenges, and to provide opportunities to learn from past experience in order to inspire collaboration and create operational support.

March 27, 2018. 11 am Pacific. Webinar: [Assessing the Vulnerability of Alaska Villages](#). Communities in Alaska's Arctic and Subarctic regions are at risk from environmental threats including flooding, erosion, and thawing permafrost. However, the character and relative magnitude of those risks can vary from community to community, and it is not always clear which environmental threats pose the greatest amount of risk. This presentation describes an ongoing project being conducted by the University of Alaska Fairbanks, the USACE Cold Regions Research and Engineering Laboratory, and the US Army Corps of Engineers Alaska District. The project is sponsored by the Denali Commission. The purpose of the project is to use existing data to better characterize the threats to Alaska's communities associated with flooding, erosion, and permafrost thaw, and develop a system by which stakeholders can evaluate the combined threat. The presentation will focus primarily upon consideration of the threats imposed by permafrost thaw, as that is the main focus of the UAF/CRREL component of the project. [Register Now](#)

March 27, 2018. Electric Utility Generating Units: Repealing the Clean Power Plan listening session. With the publication of an upcoming Federal Register notice, EPA will re-open the public comment period for the proposed repeal through April 26, 2018 and provide further details on the listening sessions. Follow link for more information: <https://www.epa.gov/stationary-sources-air-pollution/electric-utility-generating-units-repealing-clean-power-plan>

March 27 – 30, 2018. Session on Native Food Plants of the Northwest: Ecology, Culture and Management in a Changing World at the [Northwest Science Association Meeting](#). Members and employees of Northwestern tribes can request a reduced meeting registration rate. Contact charrington@fs.fed.us for details.

March 28, 2018. 10 am Pacific. Webinar to Highlight Energy Opportunities in Tribal Housing. The Office of Indian Energy, in partnership with the Western Area Power Administration, is hosting a free webinar titled "Energy Opportunities in Tribal Housing". In this webinar, tribal leaders and community members will learn how to progress toward established energy goals with a focus on opportunities in tribal housing. Speakers will discuss how to establish departments or groups within the tribe to lead both near- and long-term energy planning priorities; the importance of documentation and knowledge transfer as tribal members and tribal councils change; and, for those further along in the development process, the benefits of developing new tribal energy organizations to support project negotiation strategies, and foster and grow tribal management capabilities. [Registration](#) is required. For more information, go to <https://www.energy.gov/indianenergy/articles/march-28-webinar-highlight-energy-opportunities-tribal-housing>

March 29, 2018. 11 am Pacific. Drought and Climate Galleries Webinar. The Forest Service Office of Sustainability and Climate supports national forests and grasslands with the tools, training, and resources they need to build resilience into their landscapes in the face of a changing climate. Two galleries with maps, apps, and other resources have been developed to provide resource planners and managers with current and verifiable data for their plans and projects. To register: <http://www.climatewebinars.net/webinars/drought-gallery?sr=wp~mkt-whenPub>

March 29, 2018 8 a.m. - 4:30 p.m. Tribal Water and Habitat Restoration Forum. This event will be taking place at the Nina Mason Pullium Rio Salado Audubon Center in Phoenix, Arizona. The Forum is being co-hosted and presented by Audubon Arizona and the Institute for Tribal Environmental Professionals (ITEP). The Forum will bring together Tribal representatives involved in water and habitat restoration from various backgrounds including cultural, legal, technical, biological, policy, etc. An agenda is attached and you may register (for free) by clicking on the [registration page](#). Please share as appropriate. For more information, follow link: <http://events.r20.constantcontact.com/register/event?oeidk=a07ef4sholx239870d5&llr=sgjgm17ab>

April 3, 2018. 10am-11am AKDT. The Alaska Ocean Observing System: Eyes on Alaska's Oceans and Coast. Join Molly McCammon, Executive Director of the Alaska Ocean Observing System (AOOS), as she describes the latest partnerships, ocean observing projects and data products and applications produced by AOOS, the Alaska regional component of the national Integrated Ocean Observing System. To register, click here. For more information on webinar, follow link: <https://accap.uaf.edu/AOOS>

April 10, 2018. 11:30 am PT. Tour of the New Climate Adaptation Knowledge Exchange (CAKE) Website. With your feedback from our 2017 User Survey, we've been cooking up new ways to improve our site's features and layout. Thank you so much for your input! As the field of adaptation matures, we've updated CAKE to better serve those changing needs. Join us for a tour of the new site! Register here: <https://register.gotowebinar.com/register/8467657193751590657>

April 10-12, 2018. 8 am- 5 pm. Alaska Rural Energy Conference. The Rural Energy Conference is a three-day event offering a large variety of technical sessions covering new and ongoing energy projects in Alaska, as well as new technologies and needs for Alaska's remote communities. For more information and to register, go to <http://www.akruralenergy.org/>

April 11, 2018. 6pm- 9:30pm. The Era of Megafires. Last summer, fires in Canada, Washington, and Oregon blanketed the Willamette Valley in smoke. Is this the new normal? How can we manage forests to reduce the number of megafires? And what can cities do to protect residents and drinking water? Dr. Paul Hessburg, a research landscape ecologist with Pacific Northwest (PNW) Research Station will explain why the number of megafires—fires that burn more than 100,000 acres—has increased over the past decade and what we need to know to make smart decisions about fire and land management in the future. Dr. Hessburg will be joined by a panel of Oregon-based experts who will discuss what is being done on the local level to manage fire impacts. The reception and presentation will be held at Miller Hall at the World Forestry Center. Light refreshments will be available at 6pm. The talk will start at 7 pm. This event is brought to you by [The Nature Conservancy](#), The World Forestry Center, [Oregon Forest Resources Institute](#), and [City Club of Portland](#). **Registration is required.** For more information, click link: <https://www.pdxcityclub.org/calendar/?eid=8572>

April 11-13, 2018. 6th Annual Workshop Rising Voices: Collaborative Science with Indigenous Knowledge for Climate Solutions. Rising Together: Mobilizing and Learning from Local Actions. Website: <https://risingvoices.ucar.edu/>. We will announce application information in January 2018. The theme of the workshop is "Rising Together: Mobilizing Learning from Local to Global." For more information, visit the [website](#).

April 11-13, 2018. Tribal Environmental Leaders Summit. Tribal Leaders and Tribal Environmental Professionals throughout Region 10 will have the opportunity to come together to make positive changes in a changing world. The summit will be held at the Coeur d'Alene Casino Resort Hotel. Book your room at the hotel before March 26, 2018 for conference rates. Complimentary transportation service to and from the Spokane International Airport. For more information, go to: <http://files.constantcontact.com/57137590101/e071c2a8-728a-4b0f-beed-a4d468579059.pdf>

April 23, 2018. 11 am Pacific. Pacific Northwest Drought Early Warning System Drought & Climate Outlook Webinars. These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

April 25-26, 2018. NW Tribal Energy Efficiency & Conservation Conference 2018. Clearwater Casino Resort in Suquamish WA. ATNI and Bonneville Power Administration are cohosting the 2018 Tribal Energy Efficiency &

Conservation Gathering. The ATNI Energy Program and BPA are cosponsoring and organizing this gathering. Conservation and efficiency are proven and proactive ways for tribes to be energy leaders and good stewards to the environment. Who should attend this event: tribal housing, planning, finance, facilities, energy leaders, energy partners, utilities, and energy service providers.

April 30 – May 2, 2018. [2018 Local Solutions: Eastern Climate Preparedness Conference](#). Manchester, NH. This conference will cover a range of climate preparedness and resiliency issues such as: sea level rise, urban heat, and both coastal and inland flooding issues.

May 2-3, 2018. Native Learning Center Grants Management [Training](#). In this two-day grants management training you'll get the skills and know-how to keep your project on track, comply with grant regulations, and protect your Tribe from the administrative and legal chaos that results from poor grants management. The sweeping changes in the new grant regulations known as 2 CFR Part 200 created a radically different landscape for Tribal governments and nonprofits competing for their share of the more than \$600 billion in federal grants awarded each year. This presentation will show grant writers and grant managers how to model success by introducing practical strategies and real-life examples designed to showcase winning proposal design and proactive grant management. <https://www.eventbrite.com/e/grants-management-may-2-3-nlc-tickets-43179642473>

May 9-11, 2018. University of Oregon [Climate Change and Indigenous Peoples Lecture Symposium on Environmental Justice, Race, and Public Lands](#). Keynote speakers for the [Climate Change and Indigenous Peoples Lecture](#) are Dr. Margaret Hiza Redsteer and Dr. Karletta Chief for the Climate Change and Indigenous Peoples Lecture. For more information, visit: <https://ccip.uoregon.edu/>.

May 14-18, 2018. National Tribal Forum on Air Quality. <https://www7.nau.edu/itep/main/ntaa/NTF/ntf2018/>

May 14-18, 2018. [Adaptation: Planning and Tools](#). National Conservation Training Center, Shepherdstown, WV This course will provide guidance on adaptation planning by showing the participants how to act with intentionality while managing for change, not just persistence. Participants will work in teams to apply the climate-smart cycle to regionally focused projects, starting with creation of climate-informed goals and objectives. The vulnerability of species and/or habitats likely to be affected by projected changes will be evaluated and climate-related management challenges and uncertainty will be addressed through the development of future scenarios.

May 18-19, 2019. 13th Vine Deloria Symposium: Engaging Indigenous Knowledge to Transform Our Communities. Northwest Indian College. Bellingham, WA. Abstracts due April 15, 2018. Email ritaa@nwic.edu. For more information: <http://www.nwic.edu/deloria>.

May 21-24, 2018. Affiliated Tribes of Northwest Indians Mid-Year Convention. ATNI Conventions are where members convene for discussion, presentations and the work of the committees in regard to policy, legislation, and the future of Indian Country in the Northwest. The mid-year convention is being hosted by the Yakama Nation at the Legends Casino Hotel in Toppenish, WA. To register, go to: <https://events.r20.constantcontact.com/register/eventReg?oeidk=a07ef4n3y26350cfc53&oseq=&c=&ch=>

May 30, 2018. 11 am-1 pm. 2018 [Tribal Energy Webinar](#): Understanding the Power Grid and Organized Markets. Understanding the power grid and organized markets is essential for tribes interested in developing energy projects and selling energy into the wholesale electricity market. Webinar attendees will gain knowledge of transmission markets, management, and ownership structures; interconnection request processes and timelines; transmission planning and operations; and fundamentals of the power grid. Attendees will learn

about ongoing changes with the Southwest Power Pool and California Independent System Operator that will create greater opportunities for tribes to sell and buy energy. To register, go to <https://register.gotowebinar.com/register/7254630884668763907>

June 4-7, 2018. [42nd Annual National Indian Timber Symposium](#), Quinault Indian Nation

June 6-7, 2018. G318: Mitigation Planning Workshop. Spokane, WA. [Registration information is located here.](#) The two-day workshop covers the fundamentals of natural hazards mitigation planning for tribes and local jurisdictions. Participants will not only understand the FEMA planning requirements, but will learn how to go above and beyond minimum requirements to ensure an effective mitigation plan may be implemented.

June 7-14, 2018. [5th Annual Native Youth in Food and Agriculture Leadership Summit](#). The final deadline for applying to the 2018 Summit is March 15, 2018. The summit is open to American Indian, Alaska Native, and Native Hawaiian youth, ages 15-18 (including recently graduated high school seniors). Some travel assistance may become available; participants will receive information about this after they are accepted into the program. The 2018 Summit will be a skills-development focused event that will give attendees an opportunity to do a deep dive in a particular area of food and agricultural production or policy. For more information, follow the link: <http://indigenousfoodandag.com/youth-summit/>

June 18-22, 2018. [21st Annual Native American Natural Resources Youth Practicum](#). This event is sponsored by the Native American Fish & Wildlife Society Southwest Region. Applications must be received or postmarked by May 25, 2018. The Practicum is open to all incoming 10th, 11th, and 12th grade Native American high school students from Arizona, Colorado, Nevada, New Mexico, southern California, and Utah who have an interest in pursuing a career in fishery and wildlife management, forestry, range management, watershed management, hydrology, or other natural resources related field. The Practicum provides a "hands-on" learning experience in natural resource management and combines classroom with field sessions that enables students to learn concepts and techniques used to manage natural resources. For more information, follow the link: <https://www.nafws.org/images/announcements/NAFWS-2018-SWYP-APPLICATION-FORM-1.pdf>

June 24-26, 2018. [3rd Tribal Environmental Health Summit](#). *Sustaining Long Term Partnerships and Projects with Native American Communities.* The Summit will provide participants with the opportunity to: Showcase their latest research on Tribal environmental health science; Renew and solidify personal and professional networks; Increase stakeholders understanding of Tribal environmental health policy needs and goals; Provide an opportunity for students to explore a variety of relevant career paths.

June 25, 2018. 11 am Pacific. [Pacific Northwest Drought Early Warning System Drought & Climate Outlook Webinars](#). These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

June 21- July 1, 2018. Save-the-Date: Protecting Mother Earth Conference. Nisqually Territories, Between Olympia and Tacoma Washington. Join us to learn how Indigenous Knowledge can foster climate justice through exploring environmental health, the harms of extreme energy initiatives and how to find solutions through clean renewable energy and upholding the territorial integrity of mother earth. For more information, visit: <http://www.ienearth.org/wp-content/uploads/2018/02/SAVEtheDateMed.png>.

August 13-16, 2018. [Tribal Lands and Environment Forum](#). Spokane, Washington. Hosted by the Institute for Tribal Environmental Professionals. Topics highlighted at the forum include solid/hazardous waste management,

brownfields, UST/LUSTs, Superfund sites, emergency response and tribal water programs.

August 27, 2018. 11 am Pacific. [Pacific Northwest Drought Early Warning System Drought & Climate Outlook Webinars](#). These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

August 28-29, 2018. [3rd California Adaptation Forum](#). Sacramento, CA.

September 12-14, 2018. [Global Climate Action Summit](#). San Francisco, CA.
<https://globalclimateactions summit.org/>

September 26-27, 2018. G318: Mitigation Planning Workshop. Anchorage, AK. [Registration information is located here](#). The two-day workshop covers the fundamentals of natural hazards mitigation planning for tribes and local jurisdictions. Participants will not only understand the FEMA planning requirements, but will learn how to go above and beyond minimum requirements to ensure an effective mitigation plan may be implemented.

October 9-11, 2018. 9th Annual [Northwest Climate Conference](#). Boise, Idaho. Information about lodging, registration, and program will become available in the coming months.

October 15-19, 2018. [Restoring Resilient Communities in Changing Landscapes Conference](#), Spokane, WA.

October 22, 2018. 11 am Pacific. [Pacific Northwest Drought Early Warning System Drought & Climate Outlook Webinars](#). These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).

October 23-24, 2018. G318: Mitigation Planning Workshop. Lynwood, WA at FEMA Region 10 Offices. [Registration information is located here](#). The two-day workshop covers the fundamentals of natural hazards mitigation planning for tribes and local jurisdictions. Participants will not only understand the FEMA planning requirements, but will learn how to go above and beyond minimum requirements to ensure an effective mitigation plan may be implemented.

December 17, 2018. 11 am Pacific. [Pacific Northwest Drought Early Warning System Drought & Climate Outlook Webinars](#). These webinars provide the region's stakeholders and interested parties with timely information on current and developing drought conditions as well as climatic events like El Niño and La Niña. Speakers will also discuss the impacts of these conditions on things such as wildfires, floods, disruption to water supply and ecosystems, as well as impacts to affected industries like agriculture, tourism, and public health. Register [here](#).