

Welcome to ITEP's Tribal Climate Change Newsletter. This monthly newsletter provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.

ITEP's Tribal Climate Change Newsletter

November 2019



Photo courtesy of N.Cooley 2019. Group photo of CCAP Workshop Participants @ Swinomish: Lone Tree Point

Ya'at'teeh!

November was a busy month of traveling to various events that are addressing the impacts of climate change on our culture, environment and relatives. From Nov 05-07, we gathered in Anacortes, WA where the Swinomish Tribe hosted attendees from Nez Perce, Lummi Nation, Makah Tribe, CSKT, Sauk-Suiattle Indian Tribe, Skokomish, Diné Nation, Igiugig Village in Alaska and Quapaw Nation in OK. We were joined by two representatives from our First Nations family in Canada and our Maori family from New Zealand. We enjoyed a traditional foods feast that included elk, local teas, salmon and berries provided by the Swinomish Tribe's Wild Foods & Plant Medicine Educators. We would like to thank all the attendees for joining us, and to ATNI & Swinomish Tribe for providing lunch and to the NW Climate Adaptation Science Center for being on the team in planning the agenda. Thank you!

Later that month, ITEP had a major presence at the [Climate 2020: Seven Generations for Arizona](#) conference in Flagstaff with Nikki Cooley taking part in the welcoming plenary, Ann Marie Chischilly on two panels and Mansel Nelson being a part of the climate education session. We were joined by our young warrior, [Xiuhtezcatl Martinez](#), Dr. Karletta Chief, AZ Senator Jamescita Peshlakai, AZ State climatologist, Dr. Nancy Slover, Dr. Katherine Hayhoe and many other amazing speakers! [Click here for one of the articles written about the conference!](#)

There are many more gatherings to come and we hope to see you there in person or via some livestream tool. Please see below for more information on upcoming events in December and in the upcoming 2020 year! Until next time, stay safe, warm and happy!

With that, we wish you well and look forward to seeing you soon!

- Nikki, & Karen

About Us:

Nikki Cooley
Co-Program Manager
Nikki.Cooley@nau.edu

Karen Cozzetto
Co-Program Manager
Karen.Cozzetto@nau.edu

Newsletter

To subscribe or unsubscribe to this newsletter, please go to www7.nau.edu/itep/main/listsrv/ where you can manage your Tribes & Climate Change Listserv and other ITEP Listserv subscriptions.

Tribes & Climate Change website

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at www7.nau.edu/itep/main/tcc/

In the News

The Return of a Relative: Tribal Communities in the Northern Great Plains Rally Around Bison Restoration

On Oct. 11, people around the world celebrated the release of four plains bison onto a snow-covered butte in Badlands National Park, South Dakota. This was the first time that the species had set hoof in this area since 1877. © EcoWatch, 11/19/19. <https://www.ecowatch.com/bison-restoration-2641403058.html?rebellitem=1#rebellitem1>

Press Release: Udall, Gallego Introduce Tribal Wildlife Corridors Act of 2019

Bill would support wildlife management efforts by Indian Tribes. A United Nations report released earlier this year found that one million plant and animal species are facing extinction – and that habitat destruction caused by human is a key threat. © U.S. Representative Ruben Gallego, 11/19/19. <https://rubengallego.house.gov/media-center/press-releases/udall-gallego-introduce-tribal-wildlife-corridors-act-2019>

State, tribes roll out plan to rear salmon on Washington farmland

Some 15,000 acres in southwest Washington, much of it farm and forest land, would be converted into salmon habitat at a cost of \$1.1 billion under a plan presented Monday by two state agencies and two tribes. © Capital Press, 11/19/19. https://www.capitalpress.com/state/washington/state-tribes-roll-out-plan-to-rear-salmon-on-washington/article_78a7837a-0a55-11ea-9b46-7f1fade66903.html

‘We need to act fast’: Statewide forum focuses on climate solutions for Arizona

With climate change cranking up the heat and intensifying droughts, more than 400 people from across Arizona gathered Friday and Saturday to brainstorm solutions for reducing plant-warming pollution and preparing for a hotter, drier future. © Arizona Central, 11/17/19. <https://www.azcentral.com/story/news/local/arizona-environment/2019/11/17/arizonans-call-greater-attention-climate-change-issues/2578281001/>

“Today’s Changing Climate is Inevitably Going to Transform Our World and Our Lives,” Says Rose High Bear

In Oregon, the impacts of climate change are clear. Oregon's tribal leaders know that in order for us to become more resilient to climate change and mitigate the worst of its impacts, we need to incorporate the wisdom of Native elders into our lives. © Willamette Week, 11/11/19. <https://www.wweek.com/giveguide/2019/11/11/todays-changing-climate-is-inevitably-going-to-transform-our-world-and-our-lives-says-rose-high-bear/>

Merging Western Science with Native Knowledge To Combat Climate Change

The climate crisis is threatening traditional ways of life throughout Indian Country. Now, tribal leaders and scientists are working together to help reservations become more climate resilient. © KUNR.org, 11/04/19. <https://www.kunr.org/post/merging-western-science-native-knowledge-combat-climate-change#stream/0>

Coal plant on tribal land to close after powering US West

Before the year ends, the Navajo Generating Station near the Arizona-Utah border will close and others in the region are on track to shut down or reduce their output in the next few years. Its owners are turning to cheaper power produced by natural gas as they and other coal-fired plants in the U.S. face growing pressure over contributing to climate change. © AP News, 11/03/19. <https://apnews.com/ed1e6df3bdc04a59afd43718c43b6d89>

‘Vanguards’ of climate change action, Southeast tribes shares ambitious plan

Earlier this year, Central Council of the Tlingit & Haida Indian Tribes of Alaska put together a report documenting the effects of climate change throughout Southeast Alaska. © Juneau Empire, 10/30/19. <https://www.juneauempire.com/news/vanguards-of-climate-change-action-southeast-tribe-shares-ambitious-plan/>

NM Native American Tribes Plans Solar Farm to Provide Renewable Energy Source

A New Mexico Native American tribe plans to build a 50-megawatt solar farm, which includes a 20-megawatt battery storage unit, making it the first tribally owned, utility-scale solar project in the nation, according to a new report. © Inside Sources, 10/30/19. <https://www.insidesources.com/nm-native-american-tribe-plans-solar-farm-to-provide-renewable-energy-source/>

Tribal Utility-Scale Solar Initiatives Emerge Across Southwest US

Deals for utility-scale solar installations are accelerating on tribal lands in the Southwest US, according to a recently published report from the Institute for Energy Economics and Financial Analysis (IEEFA). © Renewable Energy Magazine, 10/30/19. https://www.renewableenergymagazine.com/pv_solar/tribal-utilityscale-solar-initiatives-emerge-across-southwest-20191030

What western states can learn from Native American wildfire management strategies

In our research on climate change and people's reactions to it, we have worked with the Karuk Tribe in northwestern California and southern Oregon on their plan to manage their land under these evolving conditions. American Indian tribes across the West are working with an increased sense of urgency to manage fire-adapted landscapes in the face of climate change. The Karuk Tribe's climate adaptation plan directs their efforts to do just that. © Greenwich Time, 10/29/19. <https://www.greenwichtime.com/news/article/What-western-states-can-learn-from-Native-14570985.php>

Report Finds Tribal Utility-Scale Solar Is Booming In The Southwest

Deals for utility-scale solar installations are accelerating on tribal lands in the Southwest U.S., according to a published by the Institute for Energy Economics and Financial Analysis (IIEFA). © Solar Power World, 10/23/19. <https://www.solarpowerworldonline.com/2019/10/report-finds-tribal-utility-scale-solar-booming-southwest/>

The Colville Tribes Combat Climate Change with Their Forests

Twelve aboriginal bands in north-central Washington, together comprising the Confederated Tribes of the Colville Reservation, are leading the way on climate-smart forestry. The Tribes' conservation management practices prioritize carbon capture and ecosystem sustainability on nearly half a million acres of forest on their reservation. © Sightline Institute, 10/23/19. <https://www.sightline.org/2019/10/23/colville-tribes-washington-combat-climate-crises-carbon-forests/>

Yurok Vice Chairman Touts Tribal Forestry Practices At Congressional Hearing

Prescribed burns have to become a central component of forest management if humans want to effectively battle the climate crisis, the vice chairman of the Yurok Tribe told members of Congress on Tuesday. © Times-Standard, 10/22/19. <https://www.times-standard.com/2019/10/22/yurok-vice-chairman-touts-tribal-forestry-practices-at-congressional-hearing/>

Pushed By Young People, Alaska Federation of Natives Declares A Climate Emergency

The 53rd AFN delegates approved a measure declaring a state of emergency over climate change. The resolution authored by young participants in the Elders and Youth conference, also called for the creation of a leadership task force focused on climate action. © Alaska Public Media, 10/21/19. <https://www.alaskapublic.org/2019/10/21/pushed-by-youths-afn-declares-a-climate-emergency/>

Resources

ITEP Tribal Profiles:

Native Earth Environment Youth Program



ITEP has been working with tribes across the country to profile what they are doing to address the immediate and long-term impacts from climate change. The urgency tribes are facing from climate change is imminent as there are increasing droughts, flooding, wildfires, and disappearing flora and fauna. These tribal profiles showcase what they are doing so other tribes can take note of what they can do in their own respective communities.

Check out the latest profile to be published for the Northeast Region: http://www7.nau.edu/itep/main/tcc/Tribes/gl_trAuth

The [Native Earth Environment Youth Program](#) uses the rationale of cooperation and living in harmony, embodied by the Haudenosaunee Confederacy, for developing a deep understanding of environmental issues in high school students. By honoring both traditional ecological knowledge and scientific ecological knowledge, students address environmental issues holistically. This year's program was focused on climate change, and elevated the opportunities for students by providing the option of attending the United Nations Climate Week in New York City after the program concluded in the summer.

La Jolla Band of Mission Indians (CA)

Over the past years Southern California has seen an increase in both severe drought and devastating wildfires. This trend is anticipated to continue with climate change. In response, the La Jolla Band of Luiseño Indians has recently drafted a Forest Management Plan that will be part of a larger, overarching Integrated Resources Management Plan. The Tribe also intends to incorporate previously completed Drought and Pre-Disaster Mitigation Plans, both of which, have already received approval at the federal level. This profile can be found at: http://www7.nau.edu/itep/main/tcc/Tribes/sw_LaJolla.



Pacific Northwest Tribal Climate Change Network

- ❖ Established in 2009, the PNW Tribal Climate Change Network fosters communication between tribes, agencies, and other entities about climate change policies, programs, and research needs pertaining to tribes and climate change. The Network meets via conference call on the third Wednesday of each month. The next conference call is scheduled for Wednesday, December 18, 2019 at 10:00am (Pacific time). To join the Network email list, email Kathy Lynn at Kathy@uoregon.edu and more information about the Network can be found at: <https://tribalclimate.uoregon.edu/network/>

Recovering America's Wildlife Act

- ❖ The Native American Fish and Wildlife Society is requesting your help in supporting the Recovering America's Wildlife Act (RAWA). The bill will dedicate \$1.3 billion annually to state and fish agencies to implement their science-based wildlife action plans and an additional **\$97.5 million for tribal fish and wildlife** managers to conserve fish and wildlife on tribal lands and waters.

How You Can Help:

As a member of the Society you can help by:

1. Have your Tribe submit a letter of support for RAWA to your Congressional Representative cc: Rep. Dingell and Rep. Fortenberry.
2. Submit letters to your State's Senators and Representatives asking them to sign on as co-sponsor or cc them on your letter of support.
3. Sign on as an individual Scientist for support at https://docs.google.com/forms/d/e/1FAIpQLSesBQkbSab3B05dt03OHLRRkkYg8oH_81kAxBV6vbmWe6D4PQ/viewform
4. Promote RAWA with #RecoverWildlife
5. Visit www.nafws.org and NAFWS on Facebook for updates

Tribal Grant Writing Training

- ❖ December 10-12, Nome, Alaska. Alaska Native Tribal Health Consortium is hosting a Tribal Grant Writing training workshop aimed at improving participant's grant writing skills. For more information and to register, please visit: <http://anthctoday.org/epicenter/training.html>

Other Items of Interest

MS/PHD Position Announcement: Michigan State University (MSU)

- ❖ The Dept of Community Sustainability (CSUS) at MSU beginning Fall 2020 to work on an NSF Growing Convergence Research (GCR) project. Our work will primarily be focused on developing an integrated spatial model and decision support tool to study the trade-offs between energy strategies, spaces, and futures. We will also work on engaging community partners to explore how communities understand and envision energy transitions, and examine the risks, barriers, and opportunities for energy transitions. Our focus will be on eight case communities, two Anishinaabe Tribal Nations and six non-tribal Michigan communities, that vary along characteristics key to understanding energy transitions. The position comes with a funded research assistantship. For more information visit: https://www.canr.msu.edu/csus/graduate/prospective_students/

Postdoctoral Fellow Announcement: University of Colorado Boulder

- ❖ UC-Boulder invites applications for a full-time Postdoctoral Fellow, as part of the interdisciplinary project, "*Deep Horizons: Making Visible an Unseen Spectrum of Ecological Casualties & Prospects*." The position connects to a recently funded year-long Andrew W. Mellon Foundation John E. Sawyer Seminar on the Comparative Study of Cultures. For more information visit: <https://jobs.colorado.edu/jobs/JobDetail/?jobId=22237>

Job Announcement: The City of Flagstaff Sustainability Section is hiring a Climate and Energy Coordinator.

- ❖ The Coordinator will manage energy programs, data initiatives and climate reporting, while implementing the City's Climate Plan. Join a dynamic team leading climate action in local government. For more information and to apply online, please visit: www.flagstaff.az/jobs. Application closes: **December 6, 2019**, 4:00pm.

Call for Environmental Presentation Summary – to be presented at the 2020 National Environmental Justice Conference and Training Program, Hilton Washington, DC National Mall – April 22-25, 2020.

- ❖ Submit form to: Johanna.Stancil@usda.gov by **December 16, 2019**. For submission criteria and additional information, please visit: <https://www.epa.gov/environmentaljustice/educate-motivate-innovate-emi-climate-justice-initiative>

Creative Climate Leadership (CCL) USA

- ❖ March 08-14, 2020, Biosphere 2 in Arizona. Applications are now open for the CCL Training & Transformation Program. CCL is designed for performing, visual, media, and other artists; cultural workers including producers, presenters, curators, administrators, funders, policy makers, and others; and those change makers working outside of the arts interested in using creative methodologies and collaboration to address climate and environmental challenges. [Apply here](#) and **Deadline is Thursday, January 09, 2020** & notifications go out Monday, Jan 20, 2020.

Funding Opportunities

NOTE: More Funding Opportunities can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Resources/funding>. Also, see the Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>

2020 Tribal Youth Initiative Funding (BIA)

- ❖ This RFP is funding for the support and development of tribal youth programs focused on science in alignment with conservation and resource management will be distributed on a competitive basis to tribes and inter-tribal organizations. The programs will provide opportunities for youth to engage in the field of natural resource management and encourage their interest in pursuing educational opportunities and careers in natural resources management. Eligible applicants limited to *Federally Recognized Indian Tribal Governments and Native American Organizations* authorized by Indian tribal governments. **Deadline for proposals to your respective regional office: COB January 15, 2020.** For more information visit: https://nafws.org/images/announcements/2019/2020-Application-Tribal-Youth-Initiative-funding-3_pages_2.pdf

Endangered Species Program (BIA)

- ❖ Requirements for this RFP are: 1) projects that involve species protected by the Endangered Species Act including ESA Candidate species and 2) projects involving tribally important species and/or habitat(s) where such species or habitat(s) are identified in an official and approved tribal documents, management plan, or Tribal Resolution that lists the tribally important species and/or habitat(s) and describes the tribal interest in focusing attention on those species/habitat(s), 3) The maximum funding request is \$120,000 per application. The funding request cannot include the tribal indirect rate and 4) An eligible entity may submit multiple applications. Eligible applicants limited to *Federally Recognized Indian Tribal Governments and Native American Organizations* authorized by Indian tribal governments. **Deadline for proposals to your respective regional office: COB January 15, 2020.** For more information visit: https://nafws.org/images/announcements/2019/2020-Application-Tribal-Youth-Initiative-funding-3_pages_2.pdf

Invasive Species (IS) Program (BIA)

- ❖ Requirements for this RFP are: 1) Planning funding would allow tribes to participate in local/regional/national forums and/or planning efforts by which such collaborative efforts have been established, or would allow tribes to initiate a collaborative forum, task force, or management planning effort where none currently exist. 2) Prevention funding would provide for the development of planning/management documents and or develop/implement procedures to prevent IS from impacting tribal trust resources where such species are not already established. 3) Implementation funding would assist tribes in implementing management plans or other established protocols aimed at the control, management, or prevention of IS. Eligible applicants limited to *Federally Recognized Indian Tribal Governments and Native American Organizations* authorized by Indian tribal governments. **Deadline for proposals to your respective regional office: COB January 15, 2020.** For more information visit: https://nafws.org/images/announcements/2018/2020-Application_for_Invasive-Species-Program-funding-4_pages.pdf

Fish Hatchery Maintenance Program (BIA)

- ❖ Requirements for this RFP are: 1) Eligible Fish Hatchery. Any multi-purpose or single-purpose facility owned by the Bureau of Indian Affairs (BIA) or a Federally recognized tribe engaged in the spawning, hatching, rearing, holding, caring for, or stocking of fish and/or shellfish. Facilities owned by other federal agencies, states, and non-tribal entities are not eligible to receive maintenance funds. and 2) Maintenance. Work that is required to prolong the life of a structure, building, or other facility component including: delay of physical deterioration; enhancement of original function; application of new technological advances; or replacement or acquisition of associated capitalized equipment. Eligible applicants limited to *Federally Recognized Indian Tribal Governments and Native American Organizations* authorized by Indian tribal governments. **Deadline for proposals to your respective regional office: COB January 15, 2020.** For more information visit: https://nafws.org/images/announcements/2019/2020-Application_for_Fish_Hatchery_Maint_funding-4_pages.pdf

Paleo Perspectives on Climate Change (NSF)

- ❖ The goal of research funded under the interdisciplinary P2C2 solicitation is to utilize key geological, chemical, atmospheric (gas in ice cores), and biological records of climate system variability to provide insights into the mechanisms and rate of change that characterized Earth's past climate variability, the sensitivity of Earth's climate system to changes in forcing, and the response of key components of the Earth system to these changes. Important scientific objectives of P2C2 are to: 1) provide comprehensive paleoclimate data sets that can serve as model test data sets analogous to instrumental observations; and 2) enable transformative syntheses of paleoclimate data and modeling outcomes to understand the response of the longer-term and higher magnitude variability of the climate system that is observed in the geological and cryospheric records. Funding opportunity #: 17-582. **Deadline: 10/20/2020.** Eligible applicants *unrestricted*. For more information, visit: <https://www.grants.gov/web/grants/search-grants.html>

Environmental Literacy Grants: Supporting the Education of K-12 Students and the Public for Community Resilience (NOAA)

- ❖ The goal of this funding opportunity is to build environmental literacy of K-12 students and the public so they are knowledgeable of the ways in which their community can become more resilient to extreme weather and/or other environmental hazards, and become involved in achieving that resilience. **Deadline for applications: Pre-applications are due November 25, full applications are due March 26, 2020.** For more information: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=321575>

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website:

<http://www7.nau.edu/itep/main/tcc/Home/Events>

December 2019

2019 Intertribal Agriculture Council Annual Conference-Agriculture: Investing in Sovereignty

December 9-12, 2019, Las Vegas, NV. The Intertribal Agriculture Council (IAC) Annual Conference is the largest gathering of American Indian agriculture producers, Tribal natural resource professionals and USDA service providers. The 2019 IAC Annual Conference is a three-day event focusing on Native agriculture production, sustainability and conservation. Attendees include Native pre-college and college students, educators, and professionals as well as representatives from Tribal Nations, Tribal enterprises, Native owned businesses, and government partners. The renowned American Indian Foods Exhibit Hall features government agencies, nonprofit organizations, Tribes, and Native artisans, featuring handcrafted art and value-added food products, many of which utilize our Made By American Indians™ trademark. For information about IAC's Annual Conference, please visit: www.indianag.org/events

Webinar: Pacific Northwest Drought & Climate Outlook

December 16, 11am (PST). The PNW Drought Early Warning System (PNW DEWS) is providing this event that is part of a series of regular drought and climate outlook webinars designed to provide stakeholders and other interested parties in the region with timely information on current drought status and impacts. Click here for more info:

<https://www.drought.gov/drought/calendar/events/pacific-northwest-drought-climate-outlook-december-16-2019>

Final Webinar: Tribal Climate & Health Adaptation: Implementation/Evaluation

December 17, 9am, PST. This training will summarize the latest data and literature on the exposures and impacts of climate change that may impact the health of tribal community members. It will also describe how to identify and select appropriate strategies to address these exposures and impacts. For more information visit <http://ped.palatribe.com/tcha-webinar/> and to register visit <https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751>

January 2020

Announcing a series of three-day California Forest Stewardship Workshops:

- January 11th, 12th, and 25th: UC Coop Extension Office, Ukiah;
- February 1st, 2nd, 8th: University of California, Berkeley;
- March 7th, 8th, 14th: Shasta College, Redding.

This workshop series will help landowners develop plans to improve and protect their forest lands in an ecologically and economically sustainable manner. The workshops will address management objectives and planning, forest restoration, fuels reduction, project development, permitting, and cost-share opportunities. Participants will connect with other landowners and learn how to collect information to develop their own management plans. Registration for the workshop

costs \$60. Registration will be available at: <http://ucanr.edu/forestryworkshopregistration> by November 15th (Still open at this time). For more information, contact Susie Kocher, sdkocher@ucanr.edu

February 2020

Alaska Forum on the Environment (AFE)

February 10-14, 2020, Anchorage, AK. This forum will offer six keynote events, over 100 presentations, panel discussions, special events and workshops. <http://www.akforum.org>

April 2020

8th Annual Rising Voices Workshop

April 29-May 01, 2020. The workshop will build upon previous Rising Voices workshops to focus on exchanges between communities, generations, place-based knowledges, and different ways of knowing to learn from place-based climate resilience actions. In partnership with the Lummi Nation and the Northwest Indian College and will be on Coastal Salish Traditional Lands. **Application deadline: Wednesday, December 18, 2019** & [click here to apply](#). For more information contact Heather at hiazrus@ucar.edu or Julie at jmaldonado@likenknowledge.org. OR visit website here <http://risingvoices.ucar.edu>

Conference: Salish Sea Ecosystem Conference. Vancouver, BC.

April 19-22, 2020. The purpose of the conference is to assemble scientists, First Nations and tribal government representatives, resource managers, community and business leaders, policy makers, educators, and students to present the latest scientific research on the state of the ecosystem, and to guide future actions for protecting and restoring the Salish Sea ecosystem. For more information, go to <https://wp.wvu.edu/salishseaconference/>

Fall 2020



ITEP is proud to announce the inaugural *National Tribal & Indigenous Climate Conference* in 2020. Hosted by ITEP, ITEP's Climate Change Advisory Committee and other partners, this climate conference will be held for our communities to share our work addressing climate change impacts to our cultures, all our relations, Mother Earth and Father Sky. We will come together to develop solutions and support one another as we take the next steps towards implementation. We hope that you will join us as we convene to confront and address the effects of climate change on our communities.

ITEP Conference Page: <http://www7.nau.edu/itep/main/Conferences/>

Location: *Coming Soon!*

For more information, please contact: Nikki.Cooley@nau.edu

You are receiving this email because you are subscribed to ITEP's Tribes & Climate Change Listserv. To manage your ITEP listserv subscriptions, go to <http://www7.nau.edu/itep/main/listsrv/>. Thank you!
©2019 Institute for Tribal Environmental Professionals at Northern Arizona University
email: itep@nau.edu