









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

August/September 2019



Cahuilla Tribal Basket Art & Lifeway. © N.Cooley

Greetings everyone!

We hope your field season, summer travels and family school schedules and events are going well as fall knocks on our door (1st day of fall, September 23). The ITEP staff has been busy with several events supporting tribal climate adaptation and resilience planning across the country. We are so fortunate to be a part of tribal/Indigenous efforts to address the urgency of climate change because tribes/Indigenous people have always been at the forefront of moving with the changes in the environment and climate to ensure the survival of their people. And in the words of our friend & colleague, Selso Villegas of the Tohono O'odham Nation, "As native people we have been always been adapting but now we have to adapt faster."

Having said that, we want to remind you of all the resources & support that is available to you through ITEP & many of our partners organizations and agencies. Visit our events calendar: http://www7.nau.edu/itep/main/tcc/Training/Events.

We'd like to highlight our upcoming training in Anacortes, WA and this will be in collaboration with the Swinomish Tribal Indian Community and the Northwest Climate Adaptation Science Center. Please stay tuned to our webpage for upcoming registration (will be opened soon). Please do not hesitate to contact us with any questions.

- ITEP Tribes & Climate Change Team

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Newsletter

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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

Not passive victims: Indigenous Australians respond to climate change

Climate change is disproportionately threatening the cultures and health of Indigenous peoples globally. With
intimate knowledge of country, Indigenous Australians are actively adapting to challenges, finding opportunities for
new initiatives and alliances to strengthen cultural practices. © Foreground, 08/30/19.
http://news.nau.edu/tribal-land-environment-forum/#.XWmuCyhKhnl

Ninth annual Tribal Lands and Environment Forum addresses environmental stewardship across tribal nations

NAU's Institute for Tribal Environmental Professionals (ITEP) held its ninth annual Tribal Lands and Environment
Forum last week in Palm Springs, California. The conference featured technical trainings, breakout sessions an
cultural events related to this year's theme: A National Convention on Tribal Land and Water Resources. © NAU
News, 08/29/19. http://news.nau.edu/tribal-land-environment-forum/#.XWmuCyhKhnl

California Tribe Hopes to Conquer Climate Woes – With Fire

 Returning prescribed fire to California forests is the focus of a new climate-adaptation plan from the Karuk Tribe, but the federal government will need to play a big role. © The Revelator, 08/28/19.
 https://therevelator.org/karuk-climate-fire/

Ontario First Nation Sets Clean Energy Milestone with Microgrid

Gull Bay First Nation and utility partner Ontario Power Generation (OPG) set a clean energy milestone for off-grid Canadian indigenous communities recently with the commissioning of a hybrid solar-plus-storage microgrid.
 © Microgrid Knowledge, 08/27/19. https://microgridknowledge.com/microgrid-first-nation-ontario/

"Like Gold to Us": Native American Nations Struggle to Protect Wild Rice

When Dylan Jennings, a member of the Bad River Band of Ojibwe, was a child, he and his family loaded on
canoes to prowl the waters of northern Wisconsin, looking for the wispy beds of wild rice. Now, the wild rice that
Jennings' family and other tribal members rely on as an integral part of their diet is becoming less abundant. ©
Sierra Club, 08/26/19. https://www.sierraclub.org/sierra/gold-us-native-american-nations-struggle-protect-wild-rice

North Dakota's First Solar Farm Opens on Standing Rock Tribal Land

• It all started with a fight. In 2016, the Standing Rock Sioux Tribe was engaged in a pitched battle to stop the construction of the Dakota Access Pipeline, which was set to stretch across their ancestral lands. © Renewable Energy Magazine, 08/20/19, https://www.renewableenergymagazine.com/py_solar/north-dakota-20190820

Tribal Leaders Discuss Climate Change with U.S. Senator

• The Wind River Inter-Tribal Council welcomed U.S. Senator Sheldon Whitehouse to the Reservation on Wednesday to discuss global climate change. Senator Whitehouse represents the state of Rhode Island, which he says is particularly vulnerable to the effects of climate change. © Wyoming Public Media, 08/16/19. https://www.wyomingpublicmedia.org/post/tribal-leaders-discuss-climate-change-us-senator#stream/0

Indigenous leaders call for Arctic cooperation against wildfires

As high temperatures and dry thunderstorms turn the Arctic Circle into a tinderbox, the Arctic Council has been
urged to step up firefighting capacity. Indigenous leaders are urging Arctic states to step up cooperation to tackle
wildfires, as record blazes tear across the region. © Climate Home News, 08/16/19.
https://www.climatechangenews.com/2019/08/16/indigenous-leaders-call-arctic-cooperation-wildfires/

Combining western science, Indigenous knowledge offers new approach to help forest adapt to new conditions

Instead of looking at which trees they could keep or lose, Jaime Yazzie (Diné) applied her experiences and
priorities as a Native American researcher and asked what society could change so the whole forest, in all its
interconnectedness of species, land and people, could adapt as their environment changed. © NAU News, 8/15/19
https://phys.org/news/2019-08-indigenous-knowledge-approach-forests-conditions.html

New International Authoritative Climate Report States 2018 Was the Fourth Warmest Year on Record

A new State of the Climate report confirmed that 2018 was the fourth warmest year in records dating in the mid-1800s. © Sierra Sun Times, 08/13/19.
 https://www.goldrushcam.com/sierrasuntimes/index.php/news/local-news/19742-new-international-authoritative-climate-report-states-2018-was-the-fourth-warmest-year-on-record

Trump Administration weakens Endangered Species Act

President Donald Trump's administration is making drastic changes to how the Endangered Species Act is applied.
The revisions weaken protections for threatened species and will allow federal agencies to conduct economic
analyses when deciding whether to protect a species. © Nature, 08/12/19.
https://www.nature.com/articles/d41586-019-02439-1

Tribal leaders Hear International Climate Change News at Spokane Conference

Representatives from Northwest tribes continued their discussion today [Wednesday] about how they're adapting
to climate change. © Spokane Public Radio, 07/31/19.
 https://www.spokanepublicradio.org/post/tribal-leaders-hear-international-climate-change-news-spokane-conference

There is no coming back from disappearing coastline

• The landscape is changing drastically in Alaska, where the climate is warming at twice the rate of the rest of the planet. © Climate Home News, 07/26/19. https://www.cjrfund.org/news

Resources

ITEP Tribal Profile: Menominee Indian Tribe of Wisconsin



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.

<u>The Menominee Tribe</u> has long been a model of forest stewardship resulting in a profitable timber industry based on sustainable yields. In the 1980's, oak wilt, a deadly tree fungus, began appearing on their land. The tribe recently partnered with the Climate Change Response Framework to repopulate areas affected by oak wilt with tree species adapted to a changing climate.

http://www7.nau.edu/itep/main/tcc/Tribes/gl menominee

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 September 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/

Living Landscapes Project: Culture, Climate Science & Education in Tribal and Native Communities

 The Living Landscapes Projects was developed by Salish Kootenai College and the Confederated Salish and Kootenai Tribes with funding from a NASA Earth Systems, Technology and Energy Education for MUREP – Minority University Research and Education Project (ESTEEM) award to Salish Kootenai College in Pablo, Montana. © Salish Kootenai College, 2019. https://skclivinglandscapes.org/

Other Items of Interest

Call for Abstracts for the Alaska Tribal Conference on Environmental Management

The Alaska Tribal Conference on Environmental Management (ATCEM) invites abstract proposals for presentations and technical trainings at the 2019 conference. ATCEM will be held November 19-22, 2019 and hosts over 500 participants. For more information visit: http://www.atcemak.com/abstract-submission/

Job Announcement: Technician II (Water Quality), Makah Tribe

Assists the Water Quality Specialist in conducting water quality field monitoring and implementation the BEACH program. Duties include collecting and transporting marine samples, collecting and analyzing data, submitting data

to EPA, managing local BEACH databases, and submitting yearly program reports and grant applications. Submit a Tribal Application for this position with supporting documentation to: <u>Tabitha.herda@makah.com</u>. <u>Deadline</u>: <u>September 11, 2019</u>.

Job Announcement: Climate Education and Stewardship Program Manager

The Climate Education and Stewardship (CES) Program Manager reports to the Associate Director and works closely with grassroots chapters (called "Broadbands") to successfully develop, facilitate, and implement a new program, focused initially in the Northwest and in the Upper Midwest. This is a one-year grant-funded position, with a commitment by the organization to fundraise to sustain the program for two more years. The position is based at the Broads' National Office in Durango, CO. To apply, please send a cover letter, resume, and two original lesson plan samples to: admin@greatoldbroads.org or visit website for more information: Position open until filled.

Job Announcement: Western New Mexico Program Associate

The Program Associate will be tasked with engaging and building relationships with McKinley and Cibola County families, community leaders and decision-makers to take action to protect the community and local watershed from environmental impacts to land, air, and water. We are looking for a creative, ambitious, and goal-drive individual who enjoys working with a team, understands the importance of civic engagement in the policy process, and is passionate about building collective power in rural, Indigenous and/or communities of color. This position is based in McKinley County, and requires the ability to work a non-standard work week, including some evenings and weekends. Please send your resume, cover letter, and three references to careers@cvnm.org with "Western New Mexico Program Associate" in the subject line. Position open until filled. For more information visit: https://cvnmef.org/

Job Announcement: Bears Ears Coalition Operations and Outreach Coordinator

The Operations and Outreach Coordinator is responsible for providing operational and administrative support to the Project staff and Coalition Tribal Leadership. This position requires close coordination with Operations Director and other Project staff to assist in the oversight and management of administrative and organizational programs, goals, deliverables, and outcomes. The Operations and Outreach Coordinator reports to the Operations Director of the Project. This is a full-time exempt position. To apply, please send resume and cover letter to cjessepe@bearsearscoalition.org Position open until filled. For more information about the job opening, visit: https://bearsearscoalition.org/job-opening-operations-and-outreach-coordinator/

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/

Luce Indigenous Knowledge Fellowship Opportunity

• First Nations Development Institute (First Nations), in partnership with The Henry Luce Foundation (Luce), is proud to launch the Luce Indigenous Knowledge Fellowship. Through this new fellowship program, we will award 10 fellowships of \$50,000 each to outstanding Native Americans engaged in meaningful work that benefits Indigenous people and communities in either reservation and/or urban settings. This fellowship is intended to support Native knowledge holders and knowledge makers that embody exceptional creativity, progressive and critical thinking, and the potential to significantly move forward their field in ways that will ultimately lead to broad, transformative impacts for Indigenous communities. Deadline to apply is September 13, 2019. For more information visit: https://www.firstnations.org/rfps/likf-1/

Colorado Plateau Foundation Grants

• We are a Native-led foundation that supports the cultures, lands, and waters of the Colorado Plateau, the landscape we call home. We invest in Native-led organizations working in four priority areas on the Colorado Plateau: protection of water, protection of sacred places and threatened landscapes, preservation of Native languages, and sustainable community-based agriculture. CPF gives grants in these priority areas to Native-led organizations and tribal entities on the Colorado Plateau in amounts between \$1,000 and \$25,000. Deadline for proposals is September 30, 2019. For more information visit: https://coloradoplateaufoundation.org/grants/

The Seventh Generation Fund for Indigenous Peoples

The Seventh Generation Fund for Indigenous Peoples is inviting proposals for the Land Defenders and Water Protectors Program: supporting Indigenous community-based organizations protecting Earth's natural systems and ability to nurture and sustain life. Upholding Indigenous territorial sovereignty and self-determination, Native land stewardship practices, and the defense of sacred lands, waters and species. Deadline for proposals: October 11, 2019, email to: grants@7genfund.org. For more information visit: http://www.7genfund.org/land-defenders-and-water-protectors

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website: http://www7.nau.edu/itep/main/tcc/Home/Events

September

Short Course: Managing for a Changing Climate: Climate Models, Downscaling, & Assessments
September 10-30. The South-Central Climate Adaptation Science Center at the University of Oklahoma will offer four short courses that will provide an integrative understanding of the components of the climate system. The courses are free and online, so anyone from anywhere may participate! You will have the opportunity to learn from climate experts at OU and our partner institutions. Upon successful completion of a short course, you will receive a personalized certificate. Short courses may be taken individually, or as any combination of the four being offered. Interested in learning more and to register, click here.

Uplift Climate Conference

September 13-15, 2019: Red Rock Park, Gallup, NM – Ancestral lands of the Dine, Hopi, Pueblo, Western Apache, and Zuni Peoples. This year's conference will focus on reclaiming our narrative through action, community, and justice. Reclaiming our narrative means telling our own stories and centering narratives that honor deep histories of resistance and resilience. We will reframe our future for climate justice by creating alternative economies, systems, and networks of care to protect our communities in the face of systems of oppression. Join us as we explore these issues among stunning red rock cliffs. Any questions, email: uplift@grandcanyontrust.org Registration at: https://upliftclimate.org/register

Tribal Climate & Health Adaptation Webinar Series

September 17, 2019: 9:00am, PST. FREE Interactive Training. 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 the Pala Environmental Department website and register at: https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

3rd Annual National Native Health Research Training Conference

September 23-25, 2019, Pechanga Resort & Casino, Temecula, CA. The primary goal of the annual NNHRT conference is to contribute toward the growth of a Native health research community that is dedicated to honoring tribal decision-making processes, building trust through tribal community participation and guided by tribal cultural knowledge and values. Register by September 9, 2019 at: http://www.nnhrti.org/

2019 National Tribal Energy Summit, Tribal Energy: Powering Self-Determination

September 24-26, 2019, Washington, D.C. The U.S. Department of Energy (DOE) Office of Indian Energy, in coordination with the National Conference of State Legislatures will host the 2019 National Tribal Energy Summit. Tribal leaders – together with the Administration, representatives from federal agencies, state governments, private industry, utilities, and academia – will build networks, exchange ideas, and explore cross-cutting and cost-effective solutions to national energy interests. For more information visit: https://windexchange.energy.gov/events/6987

Alaska Region Training & Technical Assistance Center Trainings

September 24-26, 2019, Anchorage, AK. Would you like to learn more about how to plan and develop your projects for grant applications? This three-day training will give participants a foundation for creating community-based projects and grant writing skills. Participants will be able to use their new skills and adapt them to any community, any project, and any funder. Multiple dates and locations will be offered. Other dates include October 1-3, 2019 in

Fairbanks, AK and October 8-10, 2019 in Fort Yukon, AK. For more information contact Drena McIntyre at: dmcintyre@3starak.com

Conference: 8th Annual Tribal Water Law Conference

September 26-27, Scottsdale, AZ. Join us in 2019 at CLE International's 8th annual Tribal Water Law Conference! This program brings together the preeminent experts in the field. You will hear from Tribes, local and federal government representatives, attorneys, consultants and other skilled professionals in this jam-packed, two-day program at the luxurious Hilton Resort & Villas in Scottsdale. For more information, click here.

October

Webinar Series: Tribal Climate & Health Adaptation: Melting Ice & Sea Level Rise, Storms & Flooding
October 1, 9:00am, 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 the Pala
Environmental Department website and register at: https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

Short Course: Managing for a Changing Climate: Societal Impacts of Climate Change

October 1-21. The South-Central Climate Adaptation Science Center at the University of Oklahoma will offer four short courses that will provide an integrative understanding of the components of the climate system. The courses are free and online, so anyone from anywhere may participate! You will have the opportunity to learn from climate experts at OU and our partner institutions. Upon successful completion of a short course, you will receive a personalized certificate. Short courses may be taken individually, or as any combination of the four being offered. Interested in learning more and to register visit the website.

Conference: 10th Annual Northwest Climate Conference

October 8-10, Portland, OR. The Northwest Climate Conference provides a unique opportunity to learn from and connect with a diverse community of experts fostering a more climate resilient Northwest. The event brings together practitioners, scientists, tribal communities, and decision-makers to share knowledge, ideas, and best practices related to climate change science, impacts, and adaptation in the Pacific Northwest. Topics include drought, wildfire, extreme events, coastal flooding, human and ecosystem health, and resiliency planning. For more information visit: https://www.nwclimateconference.org/.

AISES National Conference

October 10-12, 2019, Milwaukee, WI. The mission of the American Indian Science and Engineering Society (AISES) is to substantially increase the representation of American Indians, Alaska Natives, Native Hawaiians, Pacific Islanders, First Nations and other indigenous peoples of North America in science, technology, engineering and math (STEM) studies and careers. For more information visit: www.aises.org

Webinar Series: Tribal Climate & Health Adaptation: Vulnerability Assessments Part 1

October 15, 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 Pala Environmental Department website and to register visit https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

Short Course: Managing for a Changing Climate: Physical Impacts of Climate Change & Adaptation Strategies

October 22-November 25. The South-Central Climate Adaptation Science Center at the University of Oklahoma will offer four short courses that will provide an integrative understanding of the components of the climate system. The courses are free and online, so anyone from anywhere may participate! You will have the opportunity to learn from climate experts at OU and our partner institutions. Upon successful completion of a short course, you will receive a personalized certificate. Short courses may be taken individually, or as any combination of the four being offered. Interested in learning more and to register visit:

https://docs.google.com/forms/d/e/1FAlpQLSeLByVg9vhgYPTBU3vMSYTJ1SDQBLYRsOBp9i7BOt1HxfWbjA/viewform

November

Webinar Series: Tribal Climate & Health Adaptation: Vulnerability Assessments Part 2

November 5, 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 the Pala Environmental Department website and to register visit https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

Symposium: Southeast CASC Regional Science Symposium: Sharing Science to Support Climate Adaptation

November 13-15, New Orleans, LA. More details and registration information coming soon! This event is intended for: Researchers and managers working in the southeastern U.S., including the U.S. Caribbean, on climate impacts and adaptation for fish, wildlife, habitat, cultural resources; Decision makers and practitioners from state fish and wildlife agencies, federal organizations, Tribes and tribal organizations, NGOs. Updates will be posted to Regional Science Symposium webpage, click here.

United Nations Year of Indigenous Languages

November 15-16, 2019, Sulphur, OK. Tribal Nations in Oklahoma working to preserve, protect and revitalize our languages. For more information contact: Tushka Hill (405)585-7901, tushka@treatycouncil.org or Rodney Factor (405)380-8906, okoneemekko@gmail.com

Meeting: 2019 Office of Indian Energy Program Review

November 18-22, Denver, CO. The U.S. Department of Energy Office of Indian Energy holds annual Program Review meetings to provide an opportunity for tribes and Alaska Native villages to share their successes and best practices. Visit the <u>Archived Program Reviews page</u> to view Program Reviews prior to 2010. More details to come for this event. Please check back at https://www.energy.gov/indianenergy/projects/program-review for new information.

Webinar Series: Tribal Climate & Health Adaptation: Adaptation Plans Part 1

November 19, 9:00am, 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 Pala Environmental Department website and register at: https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

December

Webinar Series: Tribal Climate & Health Adaptation: Adaptation Plans Part 2

December 3, 9:00am, 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 Pala Environmental Department website and to register at: https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

Webinar Series: 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 the Pala Environmental Department website and to register visit https://www.eventbrite.com/e/tribal-climate-health-adaptation-webinar-series-tickets-64677368751

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