



*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**

**April 2019**



*Aerial view of Flagstaff, AZ*

Ya'at'teeh!

Happy April! We hope everyone is enjoying some warmer weather especially in the communities that have been impacted by the storms and flooding in the central U.S.

We'd also like to say "thank you" to all who visited, attended, participated, and encouraged us at the National Adaptation Forum. We had so many wonderful people in the audience during our sessions and met so many throughout the three days. This conference was the first of the season for our team with many more to follow this summer. We hope to see you again at another event.

With many traveling this summer and looking for some good reads, we'd like to share with you a short reading list of the "Top 4 Must Reads" ☺ (we apologize none are audiobooks, Nikki is working on that☺).

The first is the "Dibaginjigaadeg Anishinaabe Ezhitwaad: A Tribal Climate Adaptation Menu" by the Great Lakes Indian Fish and Wildlife Commission climate change team <http://www.glifwc.org/ClimateChange/TribalAdaptationMenuV1.pdf>. The next is "Evaluating Knowledge to Support Climate Action: A Framework for Sustained Assessment" by Science for Climate Action Network (SCAN) <https://journals.ametsoc.org/doi/abs/10.1175/WCAS-D-18-0134.1>. Lastly are two new featured Tribal Profiles titled "GLIFWC: Climate Action: Melding Western Science and Traditional Ways of Understanding" [http://www7.nau.edu/itep/main/tcc/Tribes/gl\\_ifwc](http://www7.nau.edu/itep/main/tcc/Tribes/gl_ifwc) and "Yurok Tribe: Climate Change Adaptation Plan for Water and Aquatic Resources" [http://www7.nau.edu/itep/main/tcc/Tribes/pn\\_yurok](http://www7.nau.edu/itep/main/tcc/Tribes/pn_yurok). We hope you enjoy them.

As the end of the spring semester approaches, students are venturing off on new adventures like our very own Bobbi Ann. Bobbi has been a huge help in keeping us up-to-date on our databases and webinar recordings. We are sad she is leaving but we are super happy for her as she begins working for a local river guiding company. We wish her well.

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

-Leanna, Nikki, Karen, Colleen, & Bobbi Ann

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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/](http://www7.nau.edu/itep/main/tcc/)

## *In The News*

### **14-Year-Old Autumn Peltier Chosen UOI's New Water Commissioner**

- Autumn Peltier, the 14-year-old water warrior from Wiikwemkoong, has been appointed the Anishinabek Nation chief water commissioner. Autumn is following closely in the footsteps of her mentor and great aunt the late Josephine Mandamin. © Manitoulin Expositor, 05/01/2019. <https://www.manitoulin.ca/14-year-old-autumn-peltier-chosen-uoi-s-new-water-commissioner/>

### **Climate Change and the Four Elements**

- The third biennial 'Taking Care Of Our Land Symposium' (gdo akiiminaan ganawendanaan) will be taking place at the Delta by Marriott Sault Ste. Marie Waterfront from May 6th, 2019 to May 9th, 2019. This year's theme is 'Climate Change and the Four Elements.' © Sault Online, 04/30/2019. <https://saultonline.com/2019/04/climate-change-and-the-four-elements/>

### **New Ecological Stewardship Report from First Nations Showcases Tribal Models of Culturally Appropriate and Values-Centered Development**

- In a related companion piece to its recently released Increasing Ecological Stewardship of Tribal Lands, Natural Resources and Historical Sites publication, First Nations Development Institute (First Nations) today published Leveraging Native Lands, Sovereignty and Traditions: Models and Resources for Tribal Ecological Stewardship. In this additional report, First Nations showcases tribal models of culturally appropriate and values-centered development in which tribes are leveraging their lands and sovereignty to their economic, environmental and cultural benefit. © Globe Newswire, 04/29/2019. <https://finance.yahoo.com/news/ecological-stewardship-report-first-nations-120000803.html>

### **Regenerating Keystone Species in Washington: Olympic Peninsula Communities and Climate Change Researchers are Stronger Together**

- "Community" is a powerful word. The UW researchers working on promoting ecological resilience on the Olympic Peninsula through ethnoforestry understand this especially well. © The Daily of the University of Washington, 04/22/2019. [http://www.dailyuw.com/wellness/article\\_edbae190-64a9-11e9-896f-2bbca7dbde4a.html](http://www.dailyuw.com/wellness/article_edbae190-64a9-11e9-896f-2bbca7dbde4a.html)

### **Critics Say Louisiana 'Highjacked' Climate Resettlement Plan for Isle de Jean Charles Tribe**

- Albert Naquin, Chief of the Isle de Jean Charles Biloxi-Chitimacha-Choctaw Tribe (IDJC), often loses sleep over his tribe's fate as its historic island homeland continues to lose land at an alarming rate. His dream to relocate the tribe from Isle de Jean Charles with a federal grant has turned into a nightmare. © DESMOG, 04/20/2019. <https://www.desmogblog.com/2019/04/20/critics-louisiana-highjacked-climate-resettlement-plan-isle-de-jean-charles-tribe>

### **Hot Springs High School Students Educate Community About Climate Change and Simple Solutions to Fix It**

- Students in an environmental science class at Hot Springs High School were shocked to learn how much the world's environment was going downhill after witnessing numbers, graphs, and evidence on climate change from teacher Annie Gustafson's science class. As a result of their shocking discovery they decided to tell their community, and to do something about the negative impacts of climate change. The youth of today and those yet to come, after all will be those harvesting the bitter fruits of climate change that are being sown today. © Char-Koosta News, 04/18/2019. [http://www.charkoosta.com/news/hot-springs-high-school-students-educate-community-about-climate-change/article\\_e6bae236-61f3-11e9-9186-a7accd37bfa9.html](http://www.charkoosta.com/news/hot-springs-high-school-students-educate-community-about-climate-change/article_e6bae236-61f3-11e9-9186-a7accd37bfa9.html)

### **Bridging the Gap with the Science for Climate Action Network**

- A new report identifies missing support that is slowing progress in limiting and adapting to climate change. The Science for Climate Action Network aims to provide it. © Earth and Space Science News, 04/04/2019. <https://eos.org/project-updates/bridging-the-gap-with-the-science-for-climate-action-network>

### **USA: New Report Focuses on Using Science to Accelerate Climate Action**

- Local governments have a new science-based resource to tackle climate challenges with the release of the report, 'Evaluating Knowledge to Support Climate Action' and launch of the Science for Climate Action Network. The report, published in Weather, Climate and Society and summarized in the Bulletin of the American Meteorological Society, was authored by nearly forty science and local government experts. The intent is to help local governments use science in the U.S. National Climate Assessments and other sources to reduce greenhouse gas emissions and adjust to now-unavoidable climate impacts. © Prevention Web, 04/04/2019. <https://www.preventionweb.net/news/view/64651>

### **CSKT Climate Change Steering Committee to Plan for The Future**

- “My Elders used to say ‘You people are in trouble.’ Nah, they are just talking for nothing, I thought. Now I’m saying that,” Pend d’Oreille Elder Stephen Small Salmon told the Confederated Salish and Kootenai Tribal Climate Change Steering Committee members at the recent Community Resilience to Climate Change meeting. The March 13, confab at the KwaTaqNuk Resort and Casino was the first of four such gatherings on the March, April, May and June calendar. © Char-Koosta News, 04/04/2019. [http://www.charkoosta.com/news/cskt-climate-change-steering-committee-to-plan-for-the-future/article\\_4c1c2676-5709-11e9-a116-c30ba8ac1774.html](http://www.charkoosta.com/news/cskt-climate-change-steering-committee-to-plan-for-the-future/article_4c1c2676-5709-11e9-a116-c30ba8ac1774.html)

#### **Obama Created A Climate Change Panel. Trump Disbanded It. They Regrouped. Here’s Their Report**

- Communities across the country urgently need help to combat the looming threat of climate change, according to the authors of a report published by a panel of experts disbanded by President Donald Trump but which regrouped independently. © Newsweek, 04/04/2019. <https://www.newsweek.com/obama-climate-change-panel-trump-disbanded-regrouped-findings-1385865>

#### **How a Seed Bank Helps Preserve Cherokee Culture Through Traditional Foods**

- Charles Gourd's garden is so big that before he installed irrigation, it could take three hours to water everything by hand. He grows beans and cucumbers that wind up archways you can walk underneath and pluck the ripe vegetables as though they're growing in thin air. © Minnesota Public Radio, 04/02/2019. <https://www.mprnews.org/story/2019/04/02/npr-how-a-seed-bank-helps-preserve-choerokee-culture-through-traditional-foods>

#### **How Tribes Are Harnessing Cutting-Edge Data to Plan for Climate Change**

- Climate change is already damaging Indigenous ways of life. But tribes are adapting. © Yes! Magazine, 03/29/2019. <https://www.yesmagazine.org/planet/indigenous-tribes-plan-adapt-climate-change-20190329>

#### **Digging for Indigenous Science in 3,000-Year-Old Clam Beds**

- Marco Hatch, a Coastal Salish scholar, talks about the importance of bringing indigenous knowledge to Western research — and what science loses when we don't. © Crosscut, 03/25/2019. <https://crosscut.com/2019/03/digging-indigenous-science-3000-year-old-clam-beds>

#### **Spokane Tribe Goes Solar With Private, Fed Funding**

- The Children of the Sun, as the Spokane Tribe refer to themselves, are going solar this year with installations in 28 locations generating over 600 kilowatts of energy, thanks to the support of Wells Fargo Foundation, the US Department of Energy and non-profit Grid Alternatives. The project is being managed by the Spokane Indian Housing Authority, in Wellpinit, WA. © Clean Technica, 02/18/2019. <https://cleantechnica.com/2019/02/18/spokane-tribe-goes-solar-with-private-fed-funding/>

## **Resources**

#### **Launch of Science for Climate Action Network: Building off the US National Climate Assessment to Help Communities Establish Climate Action Pathways**

- On April 4th, 2019, the Independent Advisory Committee for Applied Climate Assessment (IAC) released its recommendations. These recommendations represent a year-long process from the IAC, funded by the New York State Energy Research and Development Authority, the American Meteorological Society (AMS) and the Earth Institute at Columbia University. The report is based on ideas and inputs from state, local, and tribal officials, researchers in all areas of climate science, experts in non-governmental and community-based organizations, professionals in engineering, architecture, public health, adaptation, and other areas. For more information and to access the report visit <https://www.climateassessment.org/>.

#### **Tribal Health and Climate Change**

- The National Indian Health Board (NIHB) is pleased to announce an upcoming webinar: Tribal Health and Climate Change. This webinar will describe the basics of climate change and how it is affecting Tribal communities. The webinar will also give a brief overview of NIHB's Climate Ready Tribes Project, funded by the Centers for Disease Control and Prevention (CDC). This webinar took place April 1, 2019 and a copy of this webinar can be found at: [https://www.nihb.org/public\\_health/climate\\_resources.php](https://www.nihb.org/public_health/climate_resources.php)

#### **Dibaginjigaadeg Anishinaabe Ezhitwaad: A Tribal Climate Adaptation Menu**

- Climate change has impacted and will continue to impact indigenous peoples, their lifeways and culture, and the natural world upon which they rely, in unpredictable and potentially devastating ways. Many climate adaptation planning tools fail to address the unique needs, values and cultures of indigenous communities. This Tribal Climate Adaptation Menu, which was developed by a diverse group of collaborators representing tribal, academic,

intertribal and government entities in Minnesota, Wisconsin and Michigan, provides a framework to integrate indigenous and traditional knowledge, culture, language and history into the climate adaptation planning process. © Great Lakes Indian Fish and Wildlife Commission, 2019.  
<http://www.glifwc.org/ClimateChange/TribalAdaptationMenuV1.pdf>

#### **Potential Sea Level Rise on Chitimacha Tribal Lands in Louisiana**

- Situated in the Mississippi Alluvial Plain of the Gulf Coast Prairie Landscape Conservation Cooperative (GCP LCC), the Chitimacha Tribe is one of four federally recognized tribes in Louisiana. The Tribal seat, trust lands/ reservation, and adjacent Tribal owned lands are located near Charenton, Louisiana, totaling nearly 1,000 acres. The Chitimacha, with a population of approximately 1,400 people, are currently impacted by storm surge, which is expected to increase with climate change. The additional stress from storms will likewise increase the vulnerability to catastrophic impact in the event of a breach in the Atchafalaya Basin Spillway levee. A collaborative effort between the U.S. Geological Survey (USGS) and the Chitimacha Tribe has been initiated to provide resources and expertise to increase the Tribe's ability to prevent, plan, and prepare for these environmental challenges. By enhancing technical skills, providing access to environmental data, and increasing awareness of environmental issues, the Chitimacha will be better prepared to plan and adapt to the environmental impacts facing their lands related to land use and climate change. © U.S. Geological Survey Open-File Report 2019-1030.  
<https://pubs.er.usgs.gov/publication/ofr20191030>

#### **Adaptation Workbook: A Climate Change Tool for Land Management and Conservation**

- Join the newsletter to keep up to date on improvements that have been made to the Adaptation Workbook. © Northern Institute of Applied Climate Science, 2019. <https://adaptationworkbook.org/>

#### **The Northwest Climate Toolbox Workbook**

- The Workbook was created as an instructional aid for CIRC's Community Adaptation project in Spokane, Washington. The Spokane community is currently using Toolbox data to better understand climate impacts. (More on that below.) We've taken that original community-specific work and expanded it into a full-blown how-to guide to using the Toolbox. Our wish is that the Workbook can help organizations and individuals who may not be familiar with online climate tools. Ultimately, the CIRC team hopes the Workbook will help stakeholders in the Pacific Northwest and beyond analyze and apply Toolbox data to help them prepare their communities for climate variability and change. © The Climate CIRCulator, 03/12/2019.  
<https://climatecirculatororg.wordpress.com/2019/03/12/toolbox-workbook/> Direct link to workbook here:  
<https://pnwcirc.org/sites/pnwcirc.org/files/nwct.pdf>

#### **Fourth Oregon Climate Assessment Report**

- Consisting of two chapters, the report represents a convergence of evidence of the risks that Oregon is facing and will continue to face under a changing climate. Chapter 1 summarizes the current state of knowledge of the physical changes in climate and hydrology, focusing on what has been learned since the previous Oregon Climate Assessment Report. The report's second chapter covers impacts, reprinting verbatim, the Northwest chapter of the Fourth National Climate Assessment (NCA4), which was released by the federal government in November 2018. © The Climate CIRCulator, 03/12/2019. <https://climatecirculatororg.wordpress.com/2019/03/12/fourth-oregon-climate-assessment-report/>. Direct link to report here: <http://www.occri.net/ocar4>

#### **Public Health Emergency Preparedness and Response for Tribal Governments (PHEPR)**

- Emergency preparedness and response refers to the activities that occur before, during, and after natural or man-made disasters or emergencies to ensure public safety. Preparing for an emergency before it happens ensures that plans are in place, equipment is available and ready to use, and personnel are properly trained. The public's safety and well-being depends on planning and response to help minimize the effects of disasters and emergencies. © National Indian Health Board, 2019. [https://www.nihb.org/public\\_health/phepr.php](https://www.nihb.org/public_health/phepr.php)  
The National Indian Health Board (NIHB) hosted a webinar on the Public Health Emergency Preparedness and Response Capabilities. Recording and slides are available at:  
[https://www.nihb.org/public\\_health/phepr\\_webinars.php](https://www.nihb.org/public_health/phepr_webinars.php)

#### **Climate Adaptation Science Centers**

- From the expansion of invasive species to wildfire, from drought to sea-level rise, changes in climate have created new and evolving challenges for our nation's resource managers and communities. Our science helps managers of fish, wildlife, and ecosystems understand these impacts and strategically adapt to changing conditions. © USGS, 03/26/2019. <https://www.usgs.gov/land-resources/climate-adaptation-science-centers>



### **Southeast Aquatic Barrier Prioritization Tool: Improve Aquatic Connectivity by Prioritizing Aquatic Barriers for Removal Using the Best Available Data**

- Aquatic connectivity is essential. Fish and other aquatic organisms depend on high quality, connected river networks. A legacy of human use of river networks have left them fragmented by barriers such as dams and culverts. Fragmentation prevents species from dispersing and accessing habitats required for their persistence through changing conditions. © Southeast Aquatic Resources Partnership, 03/26/2019.  
<https://connectivity.sarpdata.com/>

### **Traditional Foods Project, 2008-2014**

- Using Traditional Foods and Sustainable Ecological Approaches for Health Promotion and Type 2 Diabetes Prevention in American Indian and Alaska Native communities was a 6-year cooperative agreement that championed 17 tribal programs. The tribal programs worked to restore access to local, traditional foods and physical activity to promote health. © Center for Disease Control, 2018.  
<https://www.cdc.gov/diabetes/ndwp/traditional-foods/index.html>

## ***Educational and Youth Engagement Opportunities***

### **Climate Strong! Climate Leadership Initiative**

- ❖ Climate Strong! builds the capacity of teachers, informal educators, and the youth to take action for building community climate resiliency within the Ojibwe Ceded Territory (Minnesota, Wisconsin, and Michigan). Climate Strong! training opportunities include: Educator Professional Development Institutes, Youth climate camps, and Community climate leadership events. Climate Strong! applies the G-WOW climate literacy model and integrates Ojibwe traditional ecological knowledge (TEK), culture, language, and leadership teachings with scientific ecological knowledge (SEK) to promote climate action. Climate Strong! Institute enrollment is now open through June 7! Limited to 30 participants. Please use the form to apply at <https://fyi.extension.wisc.edu/nglvc/climate-strong/>.

### **UCAR Next Generation Fellowships**

- ❖ Each year the University Corporation for Atmospheric Research (UCAR) selects three graduate students from underrepresented communities for fellowships tracks in Earth System Science, Diversity & Inclusion, and Public Policy. These fellowships offer graduate students the opportunity to learn alongside leaders in their fields. Just as important, these programs bring an infusion of fresh ideas and new perspectives to our organization. Each two-year award provides financial support for graduate school and two summer internships. For more information and to apply, please visit: <https://www.ucar.edu/opportunities/fellowships>

### **Paid Summer Research Program**

- ❖ PathwaysToScience.org has a searchable database of 650+ summer research programs in all STEM disciplines. These are all FULLY FUNDED opportunities including programs sponsored by NSF, NASA, NIH, etc.  
<https://pathwaystoscience.org/Undergrads.aspx>. If you are considering graduate school, search 250+ FULLY FUNDED graduate programs in a variety of disciplines, and view resources on applying:  
<https://pathwaystoscience.org/Grad.aspx>. If you need help finding a program that's a good fit, please feel free to email [ldetrick@ibparticipation.org](mailto:ldetrick@ibparticipation.org) for assistance. You can also follow us on Facebook for program deadlines and updates.

## ***Other Items of Interest***

### **Job Announcement: Conservation Coordinator, The Nature Conservancy**

- ❖ Become a force for nature and a healthy planet by joining the world's leading conservation organization! Be part of our team, dedicated to conserving the lands and waters on which all life depends. Help us restore forests, conserve lakes and rivers, and tackle climate change in the Minnesota, North Dakota, South Dakota Chapter. Please visit <http://www.nature.org/careers> to learn more. Submit your cover letter and resume for position number 47549. All applications must be submitted in the system prior to 11:59 p.m. Eastern Time on **May 15, 2019**.

### **Call for Nominations: Natural Resource Climate Adaptation Leadership Awards**

- ❖ The Climate Adaptation Leadership Awards for Natural Resources is seeking nominations for 2019! The Award recognizes the outstanding and exemplary leadership by individuals, agencies, businesses, students, and youth to reduce effects and advance adaptation of the Nation's vital natural resources in a changing world. **Nominations will be accepted until May 18th**. Individuals, groups, organizations, and government agencies are eligible to apply. Up

to eight Awards will be announced in September during the AFWA Annual Meeting in Saint Paul, Minnesota.  
<https://www.wildlifeadaptationstrategy.gov/award.php>

**Job Announcement: New Mexico Tribal Liaison: South Central Climate Adaptation Science Center**

- ❖ This position manages relationships between the South Central Climate Adaptation Science Center (CASC) and its Tribal partners in New Mexico. The liaison will be responsible for working closely with partners from a variety of Tribes, Pueblos, and inter-tribal organizations in New Mexico to develop and deliver trainings on climate adaptation and related topics, provide support to communities seeking or engaged in adaptation activities, and work to identify and reduce barriers to implementing Tribal adaptation activities. Early career candidates are encouraged to apply. To apply for the position go to <https://jobs.ou.edu/> Job Number 190543.

**National Congress of American Indians Climate Action Task Force Seeks Your Input**

- ❖ The National Congress of American Indians (NCAI) is creating the NCAI Tribal Climate Action Task Force, which will formally launch at NCAI's Mid-year Conference in June 2019. Composed of tribal leaders and other key stakeholders from across the country, the Task Force will work with tribal nations, intertribal organizations, and other key stakeholders to develop and advocate for consensus-based policy priorities designed to support the climate action efforts of tribal nations. To ensure the Tribal Climate Action Task Force meets the needs and advances the priorities of Indian Country, NCAI invites you to provide input by completing a 5-7 minute survey. Answers will be anonymous and will not be shared publicly. Click on link for the survey:  
<https://www.surveymonkey.com/r/BQXBHZY>

## *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/>

**NIHB Community Changemaker Grants for Native Youth-led Health Projects**

- Applications accepted until funding is gone! **Apply ASAP**. AI/AN youth ages 14-24 years old are eligible to apply for NIHB's Community Changemaker Grants. These are small amounts of money (\$250) that can help supercharge a **YOUTH-led** and **YOUTH-planned** health event. For more information visit:  
[https://www.nihb.org/for\\_youth/changemaker\\_grants.php](https://www.nihb.org/for_youth/changemaker_grants.php)

**Solicitation of Proposals to Build Tribal Energy Development Capacity**

- The goal of the Tribal Energy Development Capacity (TEDC) program is to develop tribal management, organizational and technical capacity needed to maximize the economic impact of energy resource development on Indian land. The TEDC grant gives tribes the ability to develop or enhance their business and regulatory environment for energy resource development. Proposed projects must include building tribal capacity to: develop organizational structures, business entity structures, or develop or enhance regulatory functions. All of the functions are related to building tribal energy development capacity for the purpose of strengthening tribal capacity for development and management of energy projects. FOA#: BIA-000-0009-TEDC. **Deadline for applications is May 10, 2019.** <https://www.grants.gov/web/grants/view-opportunity.html?oppld=311302>

**National Coastal Resilience Fund RFP**

- The National Fish and Wildlife Foundation (NFWF) is pleased to announce the National Coastal Resilience Fund for 2019. NFWF will make investments to restore and strengthen natural systems so they can protect coastal communities from the impacts of storms, floods, and other natural hazards and enable them to recover more quickly, while also enhancing habitats for important fish and wildlife populations. **Pre-proposal Due Date is Monday, May 20, 2019 11:59 PM EST.** The full request for proposals can be found at the following link:  
<https://www.nfwf.org/coastalresilience/Pages/2019rfp.aspx>

**Tribal Wildlife Grants (TWG) Program**

- The TWG Program provides opportunities for federally recognized Tribes to engage in fish and wildlife conservation efforts on their lands, many of which are located adjacent to DOI managed lands. Many of the TWG-funded project activities increase fish and wildlife populations, allowing for hunting and fishing opportunities on and off Tribal lands. Additionally, the TWG Program also funds project activities that align and assist the Service with Endangered Species Act (ESA) activities supporting downlisting, delisting, and preventing species listing under the ESA. Funding Opportunity #F19AS00175. **Deadline for application is June 5, 2019, at 11:59 p.m. EST.** For more information about this funding opportunity visit: <https://www.fws.gov/nativeamerican/pdf/FY2019-TWG-NOFO-Application-Package.pdf>

#### **Tribal Resilience Grants and Ocean and Coastal Management and Planning Grants- Federally Recognized Tribes**

- The Secretary of the Interior (Secretary), through the Office of Trust Services, Tribal Resilience Program (Program) solicits proposals from federally recognized tribes to receive grants to support tribal resilience and ocean and coastal management and planning. This program supports tribes preparing for extreme events and harmful environmental trends that impact tribal treaty and trust resources, economies, infrastructure, and human health and safety. The Program will provide funding for projects that support tribal resilience and ocean and coastal management planning as tribes incorporate science (including Traditional Knowledge) and technical information to prepare for the impacts of extreme events and harmful environmental trends. More information is available at [grants.gov](https://grants.gov) FOA#BIA-TR-2019-0001. **Deadline for applications is June 10, 2019 by 5:00 p.m. Alaska Time/9 p.m. Eastern Time.** Send completed proposals to [resilience.funding@bia.gov](mailto:resilience.funding@bia.gov).

#### **Tribal Resilience Grants and Ocean and Coastal Management and Planning Grants- Tribal Organizations**

- The Secretary of the Interior (Secretary), through the Office of Trust Services, Tribal Resilience Program (Program) solicits proposals from tribal not-for-profit and tribal non-governmental organizations and associations to receive grants to support tribal resilience and ocean and coastal management and planning. This program supports tribes preparing for extreme events and harmful environmental trends that impact tribal treaty and trust resources, economies, infrastructure, and human health and safety. The Program will provide funding for projects that support tribal resilience and ocean and coastal management planning as tribes incorporate science (including Traditional Knowledge) and technical information to prepare for the impacts of extreme events and harmful environmental trends. More information is available at [grants.gov](https://grants.gov) FOA#BIA-TR-2019-0002. **Deadline for applications is June 10, 2019 by 5:00 p.m. Alaska Time/9 p.m. Eastern Time.** Send completed proposals to [resilience.funding@bia.gov](mailto:resilience.funding@bia.gov).

### *Upcoming Events*

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

#### **May**

##### **Webinar: 2018 Association of Fish and Wildlife Agencies**

May 1, 10am PT. The results of the 2018 AFWA Climate Adaptation Surveys are in! The Surveys provide insight into state agency activities and needs for fish and wildlife management in a changing climate and helps to identify national-level priorities for advancing the National Fish, Wildlife, and Plants Climate Adaptation Strategy. Join us May 1st at 1pm ET/ 10am PT for a webinar reviewing the findings.

The webinar will cover:

- Barriers to implementation
- Where States are accessing information
- State research needs & priorities
- Survey trends
- Major takeaways & recommendations

This is an opportunity for state and federal agency staff and other collaborative partners to get a glimpse at what states are doing to advance climate adaptation for fish and wildlife and how we can coordinate and prioritize our work as a community to be more effective. To register visit:

<https://zoom.us/meeting/register/8e27c165b60bcfe6d746f627e8486654>

##### **Conference: Living Breath of Indigenous Foods and Ecological Knowledge**

May 3-4, Seattle, WA. This symposium brings people together to share knowledge on topics such as traditional foods, plants and medicines; environmental and food justice; food sovereignty; health and wellness; and treaty rights. Indigenous peoples in the Northwest have maintained a sustainable way of life through a cultural, spiritual, and reciprocal relationship with their environment. This symposium serves to foster dialogue and build collaborative networks as we, Native peoples, strive to sustain our cultural food practices and preserve our healthy relationships to the land, water, and all living things. For more information and to register visit:

<http://www.livingbreathsymposium.org/>

##### **Conference: Keeping History Above Water Conference**

May 5-8, 2019, St. Augustine, FL. Keeping History Above Water: St. Augustine will explore the impacts of sea level rise on historic coastal and river communities and cultural resources through the lens of time. With the theme of Envision 2050, the emphasis is placed on policies, programs, and projects that address the situation in the short-term (defined as 30 years). For more information visit: <http://historyabovewater.org/2019-st-augustine/>

**Conference: 20<sup>th</sup> Annual National Tribal Forum on Air Quality**

May 6-9, Temecula, CA. The NTF provides environmental professionals from tribes, EPA, and other organizations an opportunity to meet and discuss current policies, regulatory initiatives, technical and other relevant topics in air quality & climate change. There will be optional training sessions on Monday 5/6/2019. Online Registration is open. There is also scholarship support for tribal attendees and sponsorship opportunities available. To check for updates, go to: [http://www7.nau.edu/itep/main/Conferences/confr\\_ntf](http://www7.nau.edu/itep/main/Conferences/confr_ntf)

**Workshop: Introduction to Water Loss Auditing**

May 7, Silver City, NM. How much of your system's produced water generates revenue? What's the difference between apparent and real water loss? How can you best manage your system's water losses? This Introductory Water Loss Training will help you learn the answers to those questions. For more information and to register visit: <http://southwestefc.unm.edu/events/silver-city-nm-water-loss-auditing-training/>

**Webinar: Legal Preparedness for Public Health Emergencies in Indian Country**

May 7, 2pm ET. The National Indian Health Board (NIHB) is hosting a webinar on the Legal Preparedness for Public Health Emergencies in Indian Country. For more information and to register [click here](#).

**Workshop: Flood Preparedness and Emergency Response Workshop**

May 7-8, Corning, CA. Interested in a flood management project? Federal and State agencies have programs and funding opportunities available to Tribal Nations in need of flood assistance, at little to no cost. Join us on either May 7th or May 8th at the Rolling Hills Casino to discuss collaboration opportunities. Workshop will include presentations by tribal members and government agencies. Both days will have the same agenda. Contact Patricia Fontanet at [patricia.s.fontanet@usace.army.mil](mailto:patricia.s.fontanet@usace.army.mil) or call 916-557-7485 to confirm.

**Webinar: Climate Adaptation Leadership Awards Webinar**

May 8, 3pm ET. Are you a Climate Adaptation Leader? Are you looking to be inspired by and learn from recognized Leaders in the field about what is working in climate adaptation? Are you considering applying to CALA? Do you want to learn more about the Awards and nomination process? Join for a webinar reviewing what CALA is, the nomination process, and lightning talks from our 2018 Winners! To register [click here](#).

**Conference: 42<sup>nd</sup> Annual Conference of the Society of Ethnobiology**

May 8-11, Vancouver, British Columbia. The 2019 SoE annual conference will be held in the traditional, ancestral, and unceded territory of the hən̓q̓əmi̓n̓əḥ̓-speaking Musqueam people, on the University of British Columbia campus. For more information and to register, go to <https://ethnobiology.org/conference/upcoming>

**Workshop: Climate Training Workshop for Tribes**

May 9-10, Ada, OK. For more information on registration or the training workshop, contact April Taylor at: [april.taylor@chickasaw.net](mailto:april.taylor@chickasaw.net).

**Summit: National Tribal Public Health Summit**

May 13-15, Albuquerque, NM. This year's Summit will feature dynamic national speakers, interactive workshops and roundtable discussions, a welcome reception, the annual Special Diabetes Program for Indians poster session, a morning fitness event, culture night, as well as the presentation of the 2019 Native Public Health Innovation awards! Summit Tracks include: Health Promotion and Disease Prevention; Public Health Policy, Infrastructure and Systems; Substance Misuse and Behavioral Health; Environmental Health and Climate Change; and Emergency Preparedness and Emerging Issues in Public Health. For more information visit: <https://web.cvent.com/event/11bb90a9-a689-4fa6-83e3-b525561587f8/summary>. To register, visit <https://web.cvent.com/event/11bb90a9-a689-4fa6-83e3-b525561587f8/regProcessStep1>.

**Workshop: 7<sup>th</sup> Annual Rising Voices Workshop: Converging Voices: Building Relationships and Practices for Intercultural Science**

May 15-17, Boulder, CO. Rising Voices facilitates intercultural approaches for understanding and adapting to extreme weather and climate events, variability, and change. It is a vibrant network of Indigenous and Western scientific professionals, tribal and community leaders, environmental and communication experts, students, educators, and artists from across the US and around the world. At its core, Rising Voices aims to advance science through collaborations that bring Indigenous and Earth (atmospheric, social, biological, ecological) sciences into partnership, supports adaptive and resilient communities through sharing scientific capacity, and provides opportunities for Indigenous students and early career scientists through scientific and community mentoring. Registration is open at <https://www.regonline.com/registration/Checkin.aspx?EventID=2551286>

**Conference: National Native American Fish and Wildlife Society**



May 20-24, Chandler, AZ. The conference is an opportunity for tribal natural resource managers, technicians, conservation law officers, government agencies, and many others, to receive training, network, share information, and discuss current technical information and legislative initiatives. A climate change pre-session will be held on Monday, May 20. For more information and to register visit: <https://nafws.org/events/national-conference>

**Conference: 3<sup>rd</sup> Annual Tribal Public Health Emergency Preparedness Conference**

May 22-23, Santa Fe, NM. At the 3rd Annual Tribal Public Health Emergency Preparedness Conference, you will have an opportunity to hear subject matter experts from around the country speak to you on these very topics. Over the course of two days, we will be discussing matters such as the measles outbreak in WA, the wildfire response on the west coast, and the impact of federal Indian law and tribal law on health outcomes. The NM state climatologist will also present on the Southwest's climate outlook. Registration details coming soon. For more information visit: <https://www.facebook.com/events/261136634773113/>

**Training: Asset Management Next Steps: Analyzing Your Data and Simple Mapping Techniques**

May 29, Gallup, NM. Have you attended an introductory asset management workshop in the past? Have you read about asset management? Do you know the basics but not what to do next? If so, this workshop is for you. We will examine the next steps you can take in your asset management journey. For more information and to register visit: <https://efcnetwork.org/events/navajo-nation-asset-management-next-steps-analyzing-your-data-and-simple-mapping-techniques/>

**Webinar: CDC's Climate and Health Program: Creative Material Development**

May 30, 1pm ET. Join CDC's Climate and Health Program for a webinar on Creative Material Development. Led by Karen Ong, Creative Director for Marketing for Change, this webinar will show how visual and content cues can be used to convey key messages quickly in a cluttered media environment. For registration go to: [https://zoom.us/webinar/register/WN\\_WHUYD1OQFG2rdE-LZ8avw](https://zoom.us/webinar/register/WN_WHUYD1OQFG2rdE-LZ8avw)

**June**

**Workshop: Climate Change Adaptation for Tribes and Tribal Partners**

June 3-5, Brimley, MI. Traditional and indigenous knowledges and perspectives have not often been recognized in climate adaptation planning efforts focused on natural and cultural resources. This training will use the new Tribal Adaptation Menu along with the Northern Institute of Applied Climate Science Adaptation Workbook to integrate tribal and traditional values with climate adaptation planning processes. This active, hands-on workshop will help participants consider climate change and develop custom-built adaptation actions into their own real-world projects. For more information contact Stephen Handler ([sdhandler@fs.fed.us](mailto:sdhandler@fs.fed.us)) or Robin Clark ([rclark@itcmi.org](mailto:rclark@itcmi.org)). This workshop will be capped at 35 participants register by May 16 at: <https://docs.google.com/forms/d/e/1FAIpQLSdnzMidXL42ZqztA7ifLpAH9fuKhCMbj5FxD9dZIR1xQR4k8A/viewform>

**ITEP Training: Introduction to Climate Change Adaptation Planning Training**

June 4-6, Las Cruces, NM. This course introduces planning for climate change impacts, with examples of tribes that have been going through the adaptation planning process. The course is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. Since the course will focus on climate change impacts in the region, we especially encourage people from the region to attend. Others are welcome to attend but should realize that that there will be a focus on that region. To register visit: <http://www7.nau.edu/itep/main/tcc/Training/Trainings>

**Summit: Inter-Tribal Emergency Management Coalition 2019 Summit**

June 4-6, Shawnee, OK. For more information and to register visit: <http://www.itemc.org/2019summit.html>

**Workshop: Tribal Climate and Health Adaptation Workshop**

June 5-6, Pala, CA. This 2-day, interactive training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning process and make it easier for tribal health and environmental professionals to understand and address human health exposures and impacts within tribal communities. 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 and to register visit: <http://ped.palatribe.com/tribal-climate-health-adaptation-workshop/>

**Training: Asset Management Next Steps: Analyzing Your Data and Simple Mapping Techniques**

June 11, Las Cruces, NM. Have you attended an introductory asset management workshop in the past? Have you read about asset management? Do you know the basics but not what to do next? If so, this workshop is for you. We will examine the next steps you can take in your asset management journey. For more information and to register visit: <http://southwestefc.unm.edu/events/las-cruces-mapping-your-assets-training/>

**Training: Save-The-Date Tribal Alliance for Pollinators**

June 11-13, Location TBA. If you've ever wanted to learn more about how (and why) to restore native plants to your tribal lands, this is the event that you don't want to miss. You'll have the opportunity to hear presentations by plant restoration experts, connect with other tribes tackling these issues and be inspired by Native advocates speaking out about the importance of reclaiming our traditional values towards protecting the land. For more information visit: <https://tapconnection.org/>

**Conference: Lake Superior, Natural Resources, Culture, Climate Change**

June 12-14, Ashland and Bayfield Counties and the Bad River and Red Cliff Tribal Communities. This workshop provides field experience-based climate change training within Lake Superior's coastal communities and tribal lands. You will learn effective communication and response strategies that integrate qualitative and quantitative knowledge to increase climate literacy and promote resiliency--no matter what the community, audience, or location. For more information about registration visit: <https://www.uwsp.edu/conted/ConfWrkShp/Pages/Climate-Change.aspx>

**Conference: Improving Water Infrastructure through Resilient Adaptation**

June 16-19, Sparks, NV. The conference seeks to bring together a diverse multi-disciplinary group of water professionals - both thought leaders and on-the-ground implementers - to disseminate, share and learn about cutting-edge solutions aimed at building resilient infrastructure and improving human adaptation to hydrologic risks. As with other AWRA conferences, the conference seeks to present excellent networking opportunities and build an exciting conversation around water resources resilience. Other proposed highlights include - multidisciplinary workshops focused on improving physical and policy infrastructure resilience and proactive adaptation as well as opportunities for students to present their research and network with water professionals in the field. For more information and to register visit: <https://awra2019summerconference.secure-platform.com/a>

**2019 Tribal Climate Camp**

June 16-21, Polson, MT. TCC is organized through a collaboration of Tribal and Non-tribal partners. The Affiliated Tribes of Northwest Indians (ATNI), Institute for Tribal Government (ITG) United South and Eastern Tribes (USET), and the Department of the Interior's (USDI) Northwest Climate Science Center (NW CSC) and Bureau of Indian Affairs (BIA) are collaborating to offer The Tribal Climate Camp (TTCC) to support teams of tribal leaders, climate change coordinators, planners, and program managers to build skills, gather information, and develop tribal policy needed to address climate change impacts. DELEGATE COSTS: The only expense required of the attending delegates is their transportation to and from the camp; all other expenses including food, lodging, local transportation, curriculum, etc. will be provided by ATNI. If interested in attending, please complete and submit an enquiry form by March 1, 2019 online at <http://atniribes.org/climatechange/tribal-climate-camp/>. For more information or questions please contact: Don Sampson, Don@seventhgenerationllc.com, 541-215-2753 or Peggy Harris, Peggy@seventhgenerationllc.com, 541-215-2919.

**Conference: At What Point Managed Retreat? Resilience Building in the Coastal Zone**

June 19-21, New York, NY. Organized by the Climate Adaptation Initiative at Columbia University's Earth Institute, this conference will address a range of issues facing coastal communities in the United States and around the world as sea levels rise and coastal flooding becomes more frequent and intense. The science around retreat is still ill-defined, and policy discussions remain contentious. This conference will bring together thought leaders on this topic to advance the science and policy dialogue. Specifically, the conference is intended to be of interest to academics, planners, practitioners, and industry representatives from sectors such as real estate and insurance. Abstracts are welcome from researchers and those involved in policy, planning, or corporate foresight activities. While the primary focus is expected to be on coastal issues, we anticipate additional talks/sessions focused on additional hazards facing diverse regions, such as drought/fire, heat stress, and inland flooding. For more information visit: <http://adaptation.ei.columbia.edu/conference/at-what-point-managed-retreat-conference/>

**Webinar: CDC's Climate and Health Program: Ally Acquisition**

June 20, 1pm ET. How can public health officials effectively reach across sectors to talk about the health impacts of a changing climate? Join CDC's Climate and Health Program for a webinar on Ally Acquisition. Experts from the behavior change agency Marketing for Change will show how health officials can identify new ways to frame key messages to increase the relevance to audiences outside public health circles. To register for this to go: [https://zoom.us/webinar/register/WN\\_J42jv9KSLaSRauuTBsQ\\_g](https://zoom.us/webinar/register/WN_J42jv9KSLaSRauuTBsQ_g)

**Forum: 14th Annual Tribal Leader/Scholar Forum**

June 23-26, Reno NV. The NCAI Policy Research Center's Tribal Leader/Scholar Forum provides an opportunity for researchers, practitioners, community members, and others to present their findings to tribal leaders,

policymakers, and tribal members during NCAI's Mid Year Conference. For more information visit: <http://www.ncai.org/policy-research-center/initiatives/tribal-leader-scholar-forum>.

## July

### **Youth: Native Youth Community Adaptation and Leadership Congress**

July 7-13, Shepherdstown, WV. 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 (NYCALC) 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. For more information visit: [https://docs.google.com/forms/d/1Cq\\_W4Z16PlzP-PIUil4-Mlo8\\_isxTBUzYg7gal81gwo/viewform?edit\\_requested=true](https://docs.google.com/forms/d/1Cq_W4Z16PlzP-PIUil4-Mlo8_isxTBUzYg7gal81gwo/viewform?edit_requested=true)

### **Training: Climate Strong! Climate Leadership Initiative**

July 8-12, Ashland, WI. Climate Strong! builds the capacity of teachers, informal educators, and the youth to act for building community climate resiliency within the Ojibwe Ceded Territory (Minnesota, Wisconsin, and Michigan). Climate Strong! training opportunities include: Educator Professional Development Institutes, Youth climate camps, and Community climate leadership events. Climate Strong! applies the G-WOW climate literacy model and integrates Ojibwe traditional ecological knowledge (TEK), culture, language, and leadership teachings with scientific ecological knowledge (SEK) to promote climate action. Climate Strong! Institute enrollment is now open through June 7! Limited to 30 participants. Please use the following form to apply at: <https://fyi.extension.wisc.edu/nglvc/climate-strong/>.

### **Webinar: CDC's Climate and Health Programs: Communication Data for Maximum Impact**

July 18, 1pm ET. Join CDC's Climate and Health Program for a webinar on Communicating Data for Maximum Impact. Experts from behavior change agency Marketing for Change will show how health officials can gather and present data points to tell a more powerful story in press releases and policy briefs. For registration go to: [https://zoom.us/webinar/register/WN\\_qe8MZcjrT-6Jf4\\_y117ePg](https://zoom.us/webinar/register/WN_qe8MZcjrT-6Jf4_y117ePg)

### **Summit: 2019 Tribes and First Nations Climate Change Summit**

July 30-31, Airway Heights, WA. This summit will convene leaders from Tribes and First Nations throughout the Pacific Northwest and North America to advance tribal climate change policy and action. The summit will focus on topics such as tribal climate change resiliency, protecting and applying Traditional Knowledges in climate change initiatives, and implementing a unified tribal climate change policy agenda. For more information visit: <http://atntribes.org/climatechange/>

## August

### **Summit: 2019 Southwestern Tribal Climate Change Summit (SWTCCS)**

August 13-16, Idyllwild Arts Academy, CA. The 2019 Southwestern Tribal Climate Change Summit (SWTCCS) provides an opportunity to come together, focus on climate strategies and solutions, and advance Tribal resilience efforts throughout the Southwest and North America. This 2019 Summit will be an interactive leadership-style retreat with small group breakout sessions, plenary style presentations on Tribal case studies, and a powerful climate training opportunity for student ambassadors. The summit is a cooperative endeavor co-sponsored by the La Jolla Band of Luiseno Indians, Climate Science Alliance (CSA), the Pala Band of Mission Indians and The Institute for Tribal Environmental Professionals (ITEP), and made possible by support and funding from the U.S. Bureau of Indian Affairs (BIA) Tribal Resilience Program. For more information, visit: [http://www7.nau.edu/itep/main/tcc/Training/confr\\_stccs](http://www7.nau.edu/itep/main/tcc/Training/confr_stccs)

### **Forum: Tribal Lands and Environment Forum**

August 19-22, Palm Springs, CA. This year's TLEF will feature special trainings, field trips, and breakout sessions focused on the conference theme: *A National Conversation on Tribal Land and Water Resources*. Topics highlighted at the TLEF include solid/hazardous waste management, brownfields, UST/LUSTs, Superfund sites, and emergency response. Tribal water program topics – water quality, drinking water, and habitat restoration (including wetlands, streams and fisheries) will also be included with breakout sessions, trainings and field trips. Plenty of networking opportunities will also be offered, making this a terrific event for tribal professionals, federal staff, nonprofit and industry personnel, and students of environmental sciences and Native American Studies, to connect with their colleagues who are also protecting the environment and their communities. For more information visit: [http://www7.nau.edu/itep/main/Conferences/confr\\_tlef](http://www7.nau.edu/itep/main/Conferences/confr_tlef)

### **Conference: 6th Annual National Joint Tribal Emergency Management Conference**

August 21-23, Green Bay, WI. Please consider joining us this coming year for the largest gathering of Native American emergency managers and homeland security personnel in the Country as we travel to the Oneida Nation in Wisconsin! If you have been waiting to work more closely with Tribal Country, then this is the conference for you!

This year we celebrate the 6th Anniversary of the National Tribal Emergency Management Council. In addition, our partner organizations will be joining us in raising greater awareness to our Tribal Emergency Management programs, while increasing even further information sharing across the country. For more information and to register visit <http://ntemc.org/>

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