



# Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

July 2020

Welcome to our monthly newsletter which provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.



*Hozho. Beauty. Photo Credit: ER Ahrens*

## Meet the Climate Change Team

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Micmac Farms-Aroostook Band of Micmac Indians. Photo Credit: N. Cooley

**G**reetings to you! Ya'at'eeh! Life is good. I will not complain as I have many good fortunes to be grateful for.

During these stressful and worrisome times, it is hard to not be distracted by all of the negative things going on. Although it is easier said than done, we must focus on the positive things around us and sometimes we have to search beyond our immediate radius.

For example, I deal with chronic insomnia which leaves me wide awake at odd hours and with thoughts of work, deadlines and the news. Recently, I have once again started to rise between 500-530am to start my day. I slip out of my bedroom, slip on my trusty chacos and head outdoors to the east. I make my ground white corn as an offering to the Holy People and the elements to ask for health, positivity and good thoughts for myself and everyone else. Then I wonder over to open the door for and feed my 48 two and three month old chickens. Afterwards, I attend to my small garden by watering, pruning and talking to them. After spending a good hour outside in the cool morning air, not to mention quiet, I head back inside to get myself ready for the day. I enjoy the quiet of the house before my six year old and ten year old come out by 600am. Rising and doing so much early in the day has allowed me to feel less crunched for time and more focused. Another positive side effect of this ritual is that it is easier for me to fall asleep and stay asleep. I need at least 5-6 hours of good sleep to function well and to have a clear and focused mind for the next day.

I've been an earlier riser all my life due to the Navajo philosophy of rising before the sunrise to pray and make offerings and running for your health, a strict grandmother whipping your legs to rouse you, and growing up in a boarding school. When I say boarding school, I don't mean the ritzy, for-

eign kind, but the ones originated by the federal government as a form of assimilation. Although by the time I got to boarding school it was a little more relaxed. I said a little. I was in boarding school by the time I was in second or third grade. Before school we were expected to rise early, like o'dark thirty, run a mile or more, fix our beds, do our assigned details (chores), get ready and then head to breakfast. Chores included cleaning toilets and showers, vacuuming, wiping window, and pretty much everything you can imagine. The early morning wake up calls were not done gently either. Often it was bright lights and maybe a whistle. Also, if we didn't fix our beds correctly, the dorm mothers would rip sheets, blankets off and we'd have to do a re-do. Years later, I found out that the military used the same bed-making methods.

I would not change anything because the discipline I learned then carried me through life to where I am at today. These moments in life taught me that when life seems impossible, I just have to look forward and chip away at the task at hand. I encourage you to find some memory or moment to cheer you up or keep you going.

With that, a few reminders of our upcoming virtual events that will feature many guest educators sharing their knowledges.

August 17-20: [Tribal Lands & Environment Forum \(TLEF\)](#) Featuring keynote, Dr. Robin Wall Kimmerer

September 14-17: [National Tribal & Indigenous Climate Conference \(NTICC\)](#) Submit a proposal until Aug 7, 2020 & register today for free!

Sincerely, Nikki Cooley on behalf of [The Climate Team](#)

#### Advisory Committee Members:

##### Tribal Representatives:

**Jerry Cain:**  
Mississippi Band of Choctaw Indians

College of Menominee Nation

**Jamie Donatuto**  
Swinomish Indian Tribal Community

**Michael Durglo, Jr.**  
Confederated Salish & Kootenai Tribes (CSKT)

**Shasta Gaughen**  
Pala Band of Mission Indians

**Desirae Mack**  
Alaska Native Tribal Health Consortium

##### Federal Agency Representatives:

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U.S. Environmental Protection Agency

**Alicia Bell-Sheetter**  
U.S. Forest Service

**Erica Bollerud**  
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**Ashely Fortune Isham**  
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**Rachael Novak**  
Bureau of Indian Affairs

**Chris Swanston**  
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**Shasta Gaughen**  
Pala Band of Mission Indians

**Paul Wagner**  
U.S. Geological Survey

##### Tribal Resilience Liaisons:

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Alaska Climate Adaptation Science Center & Aleutian Pribilof Islands Association

**Maurice Cruz**  
South Central Climate Adaptation Science Center

**Chas Jones**  
Northwest Climate Adaptation Science Center & Affiliated Tribes of NW Indians

**Sara Smith**  
Northeast Climate Adaptation Science Center & College of Menominee Nation

**Stefan Tangen**  
North Central Climate Adaptation Science Center & Great Plains Water Alliance

**April Taylor**  
South Central Climate Adaptation Science Center & Chickasaw Nation

**Casey Thornburgh**  
Northeast/Southeast Climate Adaptation Science Center & United Southeastern Tribes

**Althea Walker-Ortiz**  
Southwest Climate Adaptation Science Center & American Indian Higher Education Consortium



# In The News

## [Tulalip Tribes to buy 100-acre salmon habitat near Monroe](#)

The tribes plan to purchase part of what has been known as Reiner Farm, along the Skykomish River. © Herald Net, 07/27/20.

## [Meet UN Secretary-General António Guterres' New Youth Climate Advisors](#)

The United Nations is taking the youth climate movement seriously. On Monday, U.N. Secretary-General António Guterres announced a new group of youth climate leaders, ages 18 to 28, to advise him on climate action. The Youth Advisory Group on Climate Change will take a formal role in advising the U.N.'s chief administrative officer in decision-making as he pushes world leaders to make climate action plans a part of their recovery response to COVID-19. © Grist, 07/27/20.

## [Now That Half of Oklahoma is Officially Indian Land, Oil Industry Could Face New Costs and Environmental Hurdles](#)

On top of all the turmoil Oklahoma oil producers have had to deal with since the start of the coronavirus pandemic, the Supreme Court has added another item to that list: a landmark decision declaring nearly half of eastern Oklahoma to be Native American land. With the high court's ruling, oil and gas drillers in the nation's fourth largest oil-producing state suddenly find themselves operating within the Muscogee (Creek) Nation and four other tribal reservations. © The Washington Post, 07/17/20.

## [NAU's ITEP Receives \\$2.45 Million in Federal Funding to Help Native Tribes. Alaskan Villages Address Contamination On Their Lands](#)

The Institute for Tribal Environmental Professionals (ITEP) at Northern Arizona University has received a five-year, \$2,450,000 cooperative agreement from the U.S. Environmental Protection Agency's Office of Land and Emergency Management (OLEM). This is the third time ITEP has competed for and been awarded this five-year cooperative agreement. © NAU News, 07/14/20.

## [A Dam Comes Down – and Tribes, Cities, Salmon and Orcas Could All Benefit](#)

The conclusion to decades of work to remove a dam on the Middle Fork Nooksack River east of Bellingham, Washington began with a bang yesterday as crews breached the dam with a carefully planned detonation. This explosive denouement is also a beginning. © The Revelator, 07/14/20.

## [Kumeyaay Nation Fights to Secure Safety of Sacred Artifacts and Remains in The Midst Of Border Wall Reconstruction](#)

On Friday, members of the Kumeyaay Nation and their allies gathered at the Campo Indian Reservation for a second time in recent weeks to stop contractors from the U.S. Army Corps of Engineers from blasting for border-wall construction right in the middle of Kumeyaay land. © Native News Online, 07/12/20.

## [The Modest Fish at the Center of the Mighty Colorado River Water Rights Battle](#)

Climate change is just one reason Daryl Vigil, water director for the Jicarilla Apache Nation and interim director of the Ten Tribes Partnership, is determined to see [tribes at the table](#) in the next round of negotiations. He says the 29 basin tribes have priority rights to about 20 percent of the Colorado River's water, but were snubbed by current users from past Colorado River talks. © KQED, 07/12/20.

## [Quileute Tribe Begins Building New School](#)

After many years of planning, the Quileute Tribe has broken ground on a massive project to move its school out of a tsunami zone into a shiny new campus on higher ground. The tribe conducted a groundbreaking ceremony and blessing for the new school last Thursday. About 50 mask-wearing attendees were on hand. © Peninsula Daily News, 07/09/20.

## [Supreme Court Ruling 'Reaffirmed' Sovereignty](#)

In a decision being hailed as a win for tribal sovereignty, the U.S. Supreme Court ruled Thursday that a large portion of eastern Oklahoma remains a reservation. In the 5-4 decision, the nation's highest court said Congress never explicitly "disestablished" the 1866 boundaries of the Muscogee (Creek) Nation. © Indian Country Today, 07/09/20.

## [Columbia River Tribes Gain New Clout with Major Acquisition](#)

On June 1, Oregon Health & Science University officially transferred operational control of the Center for Coastal Margin Observation and Prediction to the Columbia River Inter-Tribal Fish Commission. © The Oregonian, 07/09/20.

## [Keeping Seed Sovereignty Local](#)

On a chilly February morning in 2018, the New Mexico State Capitol in Albuquerque bustled with activity as constituents from across the state gathered to testify about an obscure bill. In January, House Bill 161 had been quietly introduced by a pair of Republican legislators, seeking to make it illegal for counties or local municipalities to adopt their own rules on – of all things – seeds. © Grist, 07/07/20.

## ['Historic Day' for Standing Rock as Pipeline Company Told to Shut Down, Remove Oil](#)

A federal judge has ordered the Dakota Access Pipeline to shut down and remove all oil within 30 days, a huge win for Standing Rock Sioux Tribe, the Cheyenne River Sioux Tribe and the other plaintiffs. In a 24-page order, U.S. District Judge James Boasberg wrote that he was "mindful of the disruption" that shutting down the pipeline would cause, but that it must be done within 30 days. © Indian Country Today, 07/06/20.

# Resources

## Center for Disease Control Heat and Health Tracker

CDC has released a first-of-its-kind, online tool to help emergency and public health planners prepare for and respond to extreme heat events. The Heat & Health Tracker provides timely, user-friendly, local-level heat and health data and information that can be used to inform decisions and public health actions, describe and locate vulnerable populations, and determine resources and potential needs. This was developed by a collaboration between the CDC Climate and Health Program, which empowers communities to protect public health from a changing climate, and the CDC Environmental Public Health Tracking Program, which develops tools, applications, and products that utilize environmental health data for public health action. [Click here](#) to start exploring the tracker.

## June 2020 Southwest Climate Podcast – Too Soon or Not Soon Enough, The Wildfire and Monsoon Edition

June 2020 Southwest Climate Podcast – Too Soon or Not Soon Enough, The Wildfire and Monsoon Edition  
In the June 2020 edition of the CLIMAS Southwest Climate Podcast, Mike Crimmins and Zack Guido sit down to talk about the last month of weather (including what Zack has coined the “Too Soon”), the current conditions (including the wildfire situation) and look forward to the monsoon. Listen to the podcast [here](#).

## ITEP 4-Part Webinar Series: Managing Road Dust

Road dust from unpaved roads is a major air quality concern in many tribal communities. Dust (also called Particulate Matter (PM)) has negative impacts on health, road safety and quality of life. This webinar is the 2nd of a series of four webinars to help tribal environmental and transportation staff to manage road dust, resulting in improved air quality. Presenters from US EPA University of Alaska, Alaska Department of Environmental Conservation, ANTHC and ITEP will provide information to help tribal environmental and transportation staff create community partnerships. Upcoming webinar: “*Sharing Community Experiences*” scheduled for **August 5th**, 11am-12pm (PDT). [Click here](#) to register. If you have any questions, contact Mansel Nelson at [Mansel.Nelson@nau.edu](mailto:Mansel.Nelson@nau.edu).

**New Southwest Climate Adaptation Science Center (CASC) Podcast:** The SW CASC and USDA Southwest Climate Hub launched the “*Come Rain or Shine*” Podcast.

This will include researchers, managers, and other stakeholders discussing the most recent advances in climate science, weather, and climate adaptation and innovative practices to support resilient landscapes and communities. The 1st episodes are now available with following episodes to be released on the first Wednesday of every month. [Click here](#) for podcast episodes.

**New Webinar Series: The North Central Climate Adaptation Science Center (CASC)** will launch a new webinar series to highlight ongoing research from the seven-state NC CASC network, as well as feature topics of critical importance to natural resource managers and other stakeholders within the region. The webinars will be held bi-monthly on the second Thursday of the month from 11 am-12 pm MT, through the end of 2020. [Click here](#) to learn more.

## Upcoming Course: Managing for a Changing Climate – Introduction to the Climate System

Hosted by the South Central Climate Adaptation Science Center, this course will introduce the basics of how the climate system operates, including an overview of the earth’s energy budget, the carbon cycle, atmospheric and oceanic circulation, and natural climate variability. Upon completion of this course, participants will receive a certificate of completion. Course registration is open from July 20th to August 31st. [Click here to register](#) for the course.

**Colorado River Basin Climate and Hydrology: State of the Science** From the Western Water Assessment (WWA), this comprehensive report integrates nearly 800 peer-reviewed studies, agency reports, and other sources of information to assess the state of the science in the Colorado River Basin, including the latest data, tools, and research underpinning the management of Colorado River water resources. Additionally, the report aims to guide resource managers and researchers in efforts to improve forecasts and projections for the basin’s water system. To view the report, [click here](#).

**Blue New Deal-The Center for the Blue Economy and Blue Frontier** just issued a unique, comprehensive, Oceanic Climate Action Plan (OCAP) – the Blue New Deal – offering a cure for the battered post-pandemic economy and solutions for the climate emergency. Many of these recommendations appear in the new Democratic climate plan, however, OCAP adds additional and practical solution-oriented proposals that go beyond current Democratic thinking. To view the plan, [click here](#).

**Rivers as Economic Engines Report-**American Rivers came out with a new report that makes the case for boosting federal water infrastructure and river restoration spending and offers a framework for equitable investment. [Click here to read](#) the report and find graphics, fact sheets, and New Deal Era-style posters.

## Solving the Climate Crisis: The Congressional Action Plan for a Clean Energy Economy and a Healthy, Resilient, and Just America Report

With the devastating consequences of climate change growing at home and abroad, the United States must harness the technological innovation of the moonshot, the creativity of our entrepreneurs, the strength of our workers, and the moral force of a nation endeavoring to establish justice for all. This report calls on Congress to build a clean energy economy that values workers, centers environmental justice, and is prepared to meet the challenges of the climate crisis. [Click here to review](#) the report.

# Other Areas of Interest

## **Job Announcement: Outreach Coordinator - Great Lakes Indian Fish & Wildlife Commission (GLIFWC)**

This is a 1-year full time position that may be renewed with continued funding throughout the GLIFWC's Great Lakes Restoration Initiative Grants. GLIFWC is located on the Bad River Indian Reservation in Odanah, Wisconsin. This position works under the direction of the Director of the Public Information Office, the Wildlife Section Leader, the Environmental Biologist and the Great Lakes Program Coordinator and the supervision of the Great Lakes Program Coordinator. For more information and to apply, [click here](#). **Application deadline: August 7, 2020.**

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## **Request for Proposals: Rising Voices (RV) – Seed Funding for Catalyzing Research & Action**

The RV Center for Indigenous & Earth Sciences is offering three \$5000 awards to launch small-scale but impactful projects OR to support the time and effort to write a proposal for a large-scale project. Applications must demonstrate how the proposed work will bring together Indigenous and Earth sciences to address pressing community-driven research and action. Successful applications will support projects to begin around Sep 1, 2020 and conclude around Jan 31, 2020. For more information and [to apply, click here](#). **Proposal deadline is August 14, 2020.**

## **Teton Science Schools Graduate (TSS) Program Native American Fellowship Opportunity**

The TSS Graduate Program is offering a full scholarship, covering tuition and room and board, to someone who is currently affiliated with a Native American tribe as an educator, or aspiring educator, or is of Native American descent. The Program weaves together academic courses, teaching experiences and interdependent living to position students as effective place-based educators and committed training through coursework in ecology, education, and authentic teaching experiences in Grand Teton National Park as well as public and independent schools in the greater Wyoming landscape. For more information, contact Dr. Nikki Gamrath, Vice President of Educator Development at [nikki.gamrath@tetonscience.org](mailto:nikki.gamrath@tetonscience.org).

## **Job Announcement: Climate & Health Specialist with the U.S. Global Change Research Program (USGRP)**

The Program's National Coordination Office seeks to hire an individual with environmental, public health, or public policy expertise, and relevant experience in public health or environmental health. The position primarily supports the federal interagency climate change and human health working group (CCHHG), as well as other federal interagency groups and initiatives. The successful candidate will serve as the primary facilitation and

coordination support to the CCHHG and its workstreams, foster the integration of health activities and knowledge in other areas of the Program, and provide support as needed to interagency efforts in other areas of Program need, such as the National Climate Assessment. For more information and to apply, [click here](#).

## **Job Announcement: PhD Student Graduate Research Assistantship in Environmental Chemistry at Michigan Technological University**

Seeking applications for one PhD Student Graduate Research Assistantship in Environmental Chemistry. In this transdisciplinary research project, together with social scientists and tribal government entities, environmental engineering investigators will provide measurements of concentrations of fatty acid nutrients and the toxics polychlorinated biphenyl (PCB) compounds and mercury in fish in inland lakes in Michigan's Upper Peninsula with a local subsistence fishing Indigenous community, the Keweenaw Bay Indian Community (KBIC). To apply send an email statement of interest and a PDF of your resume to Professors Judith Perlinger at [jperl@mtu.edu](mailto:jperl@mtu.edu) and Noel Urban at [nurban@mtu.edu](mailto:nurban@mtu.edu).

## **Job Announcement: Climate Impacts Group (CIG) Social/Policy Scientist & Project Manager**

The CIG at the University of Washington is hiring an entry-level research scientist to bring a social science or policy lens to our work co-producing climate adaptation science. CIG is seeking a candidate with a social science or policy background and project management experience. The junior research scientist will be responsible for thinking critically about, and doing research to support, the creative applications of a social science and/or a policy lens to projects led by the CIG's senior research scientists. For more information, [click here](#). **Open until filled.**

## **Graduate Student Position: Coastal Resilience in the Bering Strait Region**

The Alaska Center for Climate Assessment and Policy (ACCAP) is seeking a graduate student enrolled at the University of Alaska Fairbanks (UAF). This position is funded for two years and will be located in Fairbanks, Alaska. For a complete description of the position, [click here](#). For questions, contact Nathan Kettle, at [nkettle@alaska.edu](mailto:nkettle@alaska.edu). Applications will be reviewed & **Position is open until filled.**

## **Job Announcement: Assistant/Associate Planner**

Montana's fastest-growing county seeks a land use planner, with strong technical and project management skills to assist Gallatin County in meetings its land use planning objectives. For more info & to apply, [click here](#). **Applications will be reviewed until the position is filled.**

# Other Areas of Interest...continued

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**Public Comment Period on National Climate Assessment 5** - The Federal Registrar Notice is soliciting public comments on the draft prospectus for the Fifth National Climate Assessment (NCA5) which was released on July 10th. Folks are encouraged to review and submit comments on the draft prospectus. For more information, [click here](#). **Deadline to submit comments: August 10, 2020.**

**David H. Smith Conservation Research Fellowship Program** - The Society for Conservation Biology is soliciting applications for postdoctoral fellowships that will support early-career scientists who want to better link conservation science and theory with policy and management. For more information, [click here](#). **Deadline for submissions: September 4, 2020**

**2021 Indigenous Youth Video Contest**  
The National Tribal Leadership Climate Change Summit encourages indigenous youth and native youth to create a video for the 2021 summit. Up to 8 winners will receive travel awards to attend the in-person summit in Seattle from May 16-20, 2021. For more information, [click here](#). **Deadline for submissions: September 7, 2020**

**Call for Community Engagement Workshop Participants and Papers for a Special Issue**  
This USDA NIFA funded and professionally facilitated Engagement Workshop Series will convene a multidisciplinary group of researchers, community stakeholders, practitioners, students, funders, and policy makers to discuss the design and impacts of stakeholder engagement to address socio-environmental problems in working landscapes. The workshop series includes virtual meetings in winter/spring 2021 and a two-day in-person workshop at Penn State University, US in June 2021. Intended outcomes include 1) a special issue of a journal on workshop themes, 2) a collaboratively defined and co-produced research agenda on the "science of engagement," and 3) formation of a new collaborative research network. For more information click here. Apply here to participate. Questions or a request for more information can be sent to Georgia Hart-Fredeluces at [hartgeo2@isu.edu](mailto:hartgeo2@isu.edu).

**Capacity Building Opportunity with AmeriCorps Vista** The American Indian Higher Education Consortium (AIHEC) is currently seeking tribal environmental departments and inter-tribal organizations interested in adding value to efforts addressing climate change and other environmental impacts by hosting AmeriCorps VISTA volunteers who carry a range of skills including research, planning, field work, meeting facilitation, etc. Interested parties email AIHEC Tribal VISTA Programs Director, John Phillips, at [jphillips@aihec.org](mailto:jphillips@aihec.org).

**Job Announcement: [MS/PhD Assistantship – Human Dimensions of Chronic Wasting Disease Management with Tribes in the Midwest](#)**

The Minnesota Cooperative Fish and Wildlife Research Unit, housed in the Department of Fisheries, Wildlife and Conservation Biology at the University of Minnesota is recruiting a M.S./Ph.D. student with an interest in the human dimensions of wildlife management as it related to Chronic Wasting Disease (CWD) and its management on reservation, ceded territory and other lands important to Tribes in Minnesota, Michigan, and Wisconsin. The student will work closely with faculty at the University of Minnesota in the Colleges of Food, Agricultural, and Natural Resource Science (CFANS) and Veterinary Medicine, tribal representatives and natural resource managers, the U.S. Fish and Wildlife Service and the Minnesota Department of Natural Resources. The focus of research will be to better understand the impacts of CWD and CWD management on tribal members and tribal communities including hunting opportunities, cultural practices, and food security. **Application deadline: August 1, 2020 for Fall 2020 start, October 1, 2020 for Spring 2021 start.**

**USDA Forest Service 638 Authority Webinars**  
**Sign Up:** The Intertribal Timber Council and the USDA Forest Service are hosting two webinars to support understanding of implementation of the 2018 Farm Bill provisions relating to the Forest Service 638 authority. Webinars will provide an introduction to the new authority, respond to frequently asked questions, and share insight regarding pilot projects. These webinars are an opportunity to hear how the Forest Service is progressing in implementation and provide feedback on next steps and considerations to implementation. First webinar was on July 29th and second webinar is scheduled for August 4th at 10am-12pm PDT. [Click here](#) to sign up.



# Funding Opportunities



## Additional Sources for More Opportunities:

1) More Funding Opportunities can be found at the Tribes & Climate Change website: <http://www7.nau.edu/itep/main/tcc/Resources/funding>.

2) Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>

3) Searchable database of all discretionary grants offered by the 26 federal grant-making agencies. [www.grants.gov/applicants/find\\_grant\\_opportunities.jsp](http://www.grants.gov/applicants/find_grant_opportunities.jsp)

4) Conservation Innovation Grants (USDA Natural Resources Conservation Service) <https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/cig/>

**Reclamation's FY 2021 WaterSMART Drought Response Program: Drought Resiliency Projects**-is now offering applicants the opportunity to request up to \$500K for a project that can be completed within two years and up to \$1.5 million for those projects that can be completed within three years.

Eligible applicants include states, tribes, irrigation districts, water districts, and other organizations with water or power delivery authority in the 17 Western United States, Alaska, Hawaii, American Samoa, Guam, the Northern Mariana Islands, and the Virgin Islands. [Apply here](#). **Deadline to submit proposals: August 5, 2020**

**The National Fish Passage Program (NFPP)** is a voluntary program that provides direct technical assistance to partners. In doing so, the program aims to maintain or increase fish populations in order to improve ecosystem resiliency and to provide quality fishing experiences for the American people. For more information, click [here](#). **Deadline: October 1, 2019 to September 30, 2020.**

**Technical Assistance to Tribes: FY 2021**-Financial and technical assistance for Tribes and tribal organizations as they develop, manage, and protect their water and related resources. [Apply here](#). **Deadline to submit proposals: October 28, 2020**

**2020 Native American Fish & Wildlife Society (NAFWS) National Scholarship**-The NAFWS is happy to announce that they are accepting applications for the 2020 NAFWS National Scholarship. Contact Ashley Carlisle at [acarlisle@nafws.org](mailto:acarlisle@nafws.org). For more Info and to apply, [click here](#). **Deadline to submit applications: August 15, 2020.**

**NOAA Climate Program Office (CPO): Funding Competition**-The NOAA CPO's Climate and Societal Interactions Division is launching a new Adaptational Sciences (AdSci) Program which will design and implement research investments through competitions, co-develop activities with partners, and support communities of practice around

adaptation pathways. Contact Adrienne Antoine at [Adrienne.antoine@noaa.gov](mailto:Adrienne.antoine@noaa.gov). For more information, [click here](#). **Deadline to submit letter of interests: Aug 17, 2020. Full application deadline: Nov 30, 2020.**

**Tribal Energy Development Capacity Grants (TEDC)** -The U.S. DOI's Division on Energy and Mineral Development Office of Indian Energy and Economic Development (IEED) is soliciting applications for the TEDC grant program & will fund approximately 15 grants, ranging in value from approximately \$10,000 to \$1,000,000 to federally recognized American Indian tribes, Alaska Native villages and entities, and tribal energy resource development organizations. For more Info and to apply, [click here](#). **Deadline to submit applications: September 1, 2020**

**Native American Business Development Institute Grant**-The U.S. Bureau of Indian Affairs is soliciting proposals from tribes for technical assistance funding to hire consultants to perform feasibility studies of economic development opportunities located in designated Opportunity Zones. For more info & to apply, [click here](#). **Deadline: September 15, 2020.**

**Renewable Energy Systems and Energy Efficiency Improvements**-The Rural Energy for America Program will provide funds to agricultural producers and rural small businesses to install renewable energy systems and energy efficiency improvements. [Apply here](#). **Deadline: Sep 30, 2020**

**Technical Assistance to Tribes: FY 2021**-Financial and technical assistance for Tribes and tribal organizations as they develop, manage, and protect their water and related resources. [Apply here](#). **Deadline: October 28, 2020**

# Upcoming Events

NOTE: Updated info on events can be found at the Tribes & Climate Change website:

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

\*\*Due to COVID-19, many events have been either postponed or cancelled. For a full list of Tribes and Climate Change Related Gatherings, click [here](#).

## August 2020

### Virtual Gathering – [Ecological Society of America 2020 Annual Meeting](#)

August 3-6, 2020. ESA will be holding a totally virtual Annual Meeting this year in response to the pandemic.

The virtual meeting will provide four days of inspiration and community, an opportunity to focus on your research and your career, and a way to connect with colleagues and leaders from across the field.

### Virtual Meeting: Indigenous Peoples Climate Change Working Group (IPCCWG) Series - August 13, 2020, 1:00pm (PDT)

The IPCCWG would like to invite you to join us for a series of virtual meetings to discuss the future generations of Indigenous geoscience professionals, educators, and workforce. The IPCCWG is open to all who share our commitment to strengthening the connections between tribes, TCUs, federal agencies, and NGOs. Please register at <https://bit.ly/3cH7fXP>

### Virtual Gathering - [ITEP's Tribal Lands & Environment Forum \(TLEF\)](#)

August 17-20, Milwaukee, WI. This year's TLEF: A National Conversation on Waste and Response Strategies. Join us for the 10th anniversary of the TLEF! Free registration ends August 3, 2020. For more information, please email [Todd.Barnell@nau.edu](mailto:Todd.Barnell@nau.edu)

### Workshop: [Knowledge Guided Machine Learning: A Framework for Accelerating Scientific Discovery](#)

August 18-20, 2020. This workshop is part of a 2-year conceptualization project funded by the National Science Foundation's Harnessing the Data Revolution (HDR) program involving researchers from the University of Minnesota, University of Wisconsin, Penn State, Colorado State University, and the University of Virginia. The workshop will include invited talks and panel discussions by data scientists (researchers in data mining, machine learning, and statistics) and researchers from four application areas (aquatic sciences, hydrology, atmospheric science, and translational biology) to discuss challenges, opportunities, and early progress in bringing scientific knowledge to machine learning. **Deadline**

to register: August 11, 2020

### [2020 VIRTUAL SAN DIEGO CLIMATE SUMMIT](#) Building the Foundation for Advancing Climate Resilience

August 27, 2020. The 2020 Summit will virtually convene local researchers, resource managers, community engagers, and youth leaders through an immersive and engaging experience to focus on our evolving understanding of regionally specific climate science and how it is informing on the ground solutions that build resilience for people and places.

## September 2020

### Conference: [ITEP's Virtual National Tribal & Indigenous Climate Conference \(NTICC\)](#) September 14-17, 2020.

Free Registration Now Open & Closes Aug 31, 2020. ITEP is pleased to announce it's First Biennial National Tribal and Indigenous Climate Conference (NTICC) along with support from the Bureau of Indian Affairs (BIA) Tribal Resilience Program. The NTICC is open to all US tribal nations and Indigenous Peoples from throughout the world, with an emphasis on including our Elders and Youth. Call for Proposals closes Friday, August 7, 2020. Please contact: [NTICC@nau.edu](mailto:NTICC@nau.edu) with questions or more information.

### [Virtual Conference: International Conference on Global Climate Change](#)

September 24-25, San Francisco, CA. This gathering aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Global Climate Change.

### [National Tribal Emergency Management Council \(NTEMC\)](#)

September 28-October 2, 2020. Soboba, CA. This gathering aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Global Climate Change.

## October 2020

### Virtual Fall Science Meeting: SC CASC - October 8, 2020, 8:00-5:00pm

Each year the South Central CASC hosts a workshop, which focuses on their Communities of Practice and brings together their researchers and stakeholders to collaborate and share ideas. Instead of meeting in person, this year they will gather together in a virtual setting. The meeting is open to individuals either currently working or interested in becoming part of climate-themed research projects. [Click here](#) to register for the meeting. If you have any additional questions or concerns, please email Emma Kuster at [info@southcentralclimate.org](mailto:info@southcentralclimate.org). **Registration must be completed by September 30 at 5:00PM Central.**

## December 2020

### Virtual Conference - [Behavior, Energy & Climate Change Conference](#)

December 7-10. The Behavior, Energy, & Climate Change Conference (BECC) brings together social science researchers and actors in business, government, and the non-profits sector to discuss methods of taking action on climate change. For questions, contact [aceeeinfo@aceee.org](mailto:aceeeinfo@aceee.org)

## January 2021

### Virtual Conference – [National Council for Science and the Environment \(NCSE\) 2021 Annual Conference](#)

January 5-8, 2021. The NCSE 2021 Annual Conference will take a systems-approach to heat and water during this time of change – examining both impacts and solutions. NCSE 2021 will be a virtual conference that will explore the link between the changes in Earth's physical systems and its social institutions by engaging leaders from the sciences, education, government, policy, business, and civil society.