



Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

2022 November

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.



Scenic view of fall foliage (Indian summer) in Alaska, USA.

Meet the Climate Change Team

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Brambling bird, *Fringilla montifringilla*, in winter plumage feeding berries

What do you do when you hear of someone passing? In the Diné way, when you speak of someone's passing, it translates to "they have walked on". The English word, death, seems so abrupt, final, cold and detached. Personally, I prefer to say people have walked or passed on. I would say that for most, if not all, Indigenous people, someone's passing is not only mourned but their life celebrated. There are rituals, ceremonies and protocols that must be adhered to. Now I understand that this is situational and I dare not speak for all but only of what I know and have been taught. For as long as I remember, there have been births of new family members and the passing of others. Some of the most vivid memories are of people who have moved on to the next world. When I was about to give birth to each of my children, a relative passed on and I often think of how my kids were welcomed into this world by not only the Holy People but by the spirits of my relatives. Each time, it has not been easy and it seems to get harder to deal with their absence. We try not to say their names out of respect but rather recall the positive memories about them. For example, when we'd take my maternal grandmother to a restaurant, with a smile she would quietly take sugar packets and put them into her purse. Or when my grandfather would flex his arm muscles and his tattoos would become animated or so I thought as a young girl. My other grandmother put me on a horse without a saddle or reigns and she said hold on and slapped the horse's butt and off I went. The horse ran faster than the wind and I held on for dear life. As her laughter and cheers faded, I felt not only alone, scared, but strangely at home. As the horse, along with me white knuckling the reigns, came back to her, she said, "okay, you're ready". To be completely transparent, I kept asking to ride one of their horses and in my young eyes, I finally wore her down.

You're probably wondering, why am I talking about this? Why not something more positive? Well, I will you that we

must balance our world with life and death, the negative and positive. My way of thinking and how I've been taught is to not avoid life but to face it no matter what comes our way. The reality of our environmental work is that we are seeing and dealing with some of the most severe impacts of climate change. This has resulted in many deaths of our relatives, human and non-human but also the birth of amazing partnerships, tools, resources and people who are contributing to the resistance and reliance of our earth and relatives.

One of the people who has been in my life since my undergrad dates in Forestry school recently walked on to the next world. She was a new professor back then and I recall how well she dealt with our cohort who were not afraid to speak up, ask questions and challenge others. She always had a smile on her face and was willing to help with our studies in any way. For the past couple of years, she had taken on the role of executive director for the School of Forestry here at Northern Arizona University. She was so determined recruit and retain more Indigenous students to the school, that I told her that I would help however I could. I loved her vision of graduating a large number of Indigenous students which is exactly what the school needs. Her passion, determination and respect for our Indigenous culture was rooted in her Korean heritage. Her passing makes my heart ache but also smile because she would have wanted us to. In this month's narrative, I honor Yeon-Su Kim and her beautiful family. I honor those who have walked on and those who have taken their first breath in this world. Our ancestors and relatives want us to continue to walk and live in beauty.

[Navajo Rez Vet: Dr. Ruby's Gofund Me](#)

[Indigenous Pedology \(SOIL SCIENCE\) With Dr. Lyida Jennings](#)

With gratitude and respect, on behalf of the [climate warriors](#) at ITEP, Nikki Cooley

Advisory Committee Members:

Tribal Representatives:

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Casey Thornburgh
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Science Center & United Southeastern Tribes

Justin Leon
Native American Fish and Wildlife Society and
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In The News

[The Future Of Large Landscape Conservation Begins With Indigenous Communities](#)

Today, after a quarter-century of work across five American states, two Canadian provinces, two Canadian territories and at least 75 Indigenous territories, the area protected for conservation within the Y2Y corridor has increased by 80%, even as the growth of protected areas declined or remained constant elsewhere in North America. This is due almost entirely to a groundswell of support that includes, crucially, Indigenous peoples and their governments. © High Country News, 11/01/22

[The Amah Mutsun Tribe Rallies To Save Sacred Sites](#)

The singers, along with several dozen Amah Mutsun tribal members and hundreds of their supporters, had gathered in front of the Santa Clara County offices to rally against the Sargent Quarry, a proposed sand and gravel mine on Juristac, the tribe's sacred homeland. The county is currently considering the permit and is accepting public comment until Nov. 7. © High Country News, 11/07/22

[Tewa Tribe in New Mexico Seeks to Adapt as Climate Change Alters Ancestral Home](#)

Raymond Naranjo sings for rain, his voice rising and falling as he softly strikes his rawhide-covered drum. The 99-year-old invites the cloud spirits, rain children, mist, thunder and lightning to join him at Santa Clara Pueblo, where the Tewa people have lived for thousands of years on land they call Kha'p'o Owingeh — the Valley of the Wild Roses. "Without water, you don't live," his son, Gilbert, says. He explains the rain dance song his father, a World War II veteran, has sung for decades and now does so with increasing urgency as his tribe fights for the survival of its ancestral home. © ABC News, 11/11/22

[Colorado River Basin Tribes Address a Historic Drought—and Their Water Rights—Head-On](#)

Their growing inclusion in the region's water management will likely prove priceless. A warm breeze slips down from Sleeping Ute Mountain, stirring fields of alfalfa and corn across the Ute Mountain Ute Tribe Farm & Ranch Enterprise in the arid flats of southwestern Colorado. The state-of-

the-art farm, with its ultra-efficient drip irrigation, satellite-guided tractors, and sought-after Bow & Arrow brand of non-GMO cornmeal, is an intense source of pride for the 2,000-member Ute Mountain Ute Tribe. It's also an important income source for its 553,000-acre reservation in the Four Corners Region, where Arizona, Colorado, New Mexico, and Utah meet. © NRDC, 11/14/22

[Tribal Nations Fight For Influence On The Colorado River](#)

In early November, the U.S. Supreme Court agreed to hear a case brought by the Navajo Nation that could have far-reaching impacts on tribal water rights in the Colorado River Basin. In its suit, the Navajo Nation argues that the Department of Interior has a responsibility, grounded in treaty law, to protect its future access to water from the Colorado River. Several states and water districts have filed petitions opposing the Navajo Nation, stating that the river is "already fully allocated." The case highlights a growing tension in the region: As water levels fall and states face cuts and a two-decade-long megadrought, tribes are working to ensure their water rights are fully recognized and accessible. © Grist, 11/16/22

[The Klamath Dams Are Coming Down](#)

The Federal Energy Regulatory Commission (FERC) in Washington, D.C., held a final vote Thursday to decide on the removal of four dams on the lower Klamath River. The vote, which follows the agency's final environmental impact statement in late August, was unanimous in favor of removal. After a grueling 20 years of environmental impact statements, scientific studies, negotiations with stakeholders and advocacy from the tribes and their conservationist allies — people who, as Hoopa Valley Tribe Chairman Joe Davis said, "poured their blood, sweat and tears into making this happen" — the vote is the final green light everyone's been waiting for. © HCN, 11/17/22

[Underfunded, Understaffed, Canada's Indigenous Services Agency Is Failing To Protect First Nations](#)

Earlier this week, Canada's auditor general reported that Indigenous Services Canada (ISC), the federal department responsible for

coordinating emergency management services to First Nations, failed to provide Indigenous communities with adequate resources to deal with climate disasters. According to the report, it's likely that ISC is incurring "significant costs" to respond to climate emergencies that could have been mitigated or avoided. © Grist, 11/18/22

[An Alaskan Town Is Losing Ground—and a Way of Life](#)

Typhoon Merbok began forming in the central Pacific Ocean during the second week of September. Fuelled by unusually warm waters, the storm system moved north and east toward Alaska, and by the time it crossed the Aleutian Islands weather buoys were recording forty-foot waves and winds of seventy-five miles an hour. On September 17th, Merbok, which had been downgraded to an extratropical storm, reached the Yukon-Kuskokwim Delta and the Bering Sea inlet of Norton Sound, one of the strongest storms to hit the area in fifty years. In the barrier village of Shaktoolik, Merbok wiped out a protective berm. In Golovin, streets were flooded with seawater and sewage. A house floated up a river in Nome, and a sixty-two-pound mammoth femur was unearthed near Elim. © The New Yorker, 11/21/22

[This Mother-Daughter Team Is Sharing Food Traditions from the Ho-Chunk Nation](#)

Through their nonprofit Wild Bearies, Elena Terry and Zoe Fess are advancing intergenerational seed-saving and knowledge-keeping. A recent spotlight at the Smithsonian is helping them make strides. "We can look at ourselves as seeds," said Elena Terry, while chopping a Hubbard winter squash in front of a live crowd at the Smithsonian's National Museum of American History in the nation's capital. "How we interact with these ingredients is the way we really should be caring for each other." Terry is a seed saver, member of the Ho-Chunk Nation, and founder of Wild Bearies, a Wisconsin Dells-based catering nonprofit dedicated to feeding ancestral foods to Indigenous communities and preserving those same flavors for future generations. © Civil Eats, 11/22/22

Resources

2022-2026 National Integrated Drought Information System (NIDIS) Strategic Plan

This Plan presents an expanded set of priorities for the next five years, identified through consultative engagement with Federal, tribal, state, and local partners. It reflects the need to better understand drought impacts to the economy, ecosystems, public health, and the interactions of drought and wildland fire in specific locations and how these may be connected across regions. The Plan creates a process to expand regional DEWS coverage into areas such as Alaska, Hawaii and the U.S. Affiliated Pacific Islands, Puerto Rico and the U.S. Virgin Islands, and on Tribal lands to ensure equitable access to localized drought information services. Click [here](#) to view.

Newly Released National Tribal Water Council's Tribal Water Quality Standards Guidebook

The guidebook was developed to serve as a tool and a guide to assist tribes in developing a water quality standards program under tribal legal authority. While the federal government has set out a water quality management approach under the Clean Water Act and Environmental Protection Agency regulations, tribes may decide to take different approaches to water protection. Likewise, even when a tribe participates in the federal Clean Water Act system, the basic building block is still a tribal program, designed by tribal staff and adopted under tribal law. The NTWC plans to schedule an informational webinar on the guidebook in January 2023. Click [here](#) to view.

NCA5 Public Comment Period Now Open

USGCRP is pleased to announce that a draft version of the Fifth National Climate Assessment (NCA5) is now available for a 12-week public review and comment period. Reviews are a vital part of the NCA5 development process. In addition to this public comment period, NCA5 is being reviewed by a committee of the National Academies of Sciences, Engineering, and Medicine. All of the feedback received through these processes will be considered by the chapter authors for future drafts of the assessment. The final version of NCA5 is expected to be released in late 2023. **Comments must be submitted by January 27, 2023.** Comments can be made [here](#).

Implementing the Steps to Resilience: A Practitioner's Guide

The National Oceanic and Atmospheric Administration (NOAA) and its partners have recently released a handbook for national climate resilience: Implementing the Steps to Resilience: A Practitioner's Guide. This guide is designed to help climate adaptation practitioners work with local governments and community organizations to incorporate climate risk and equity into their long-term decision-making. It serves as a new resource to implement the U.S. Climate Resilience Toolkit's Steps to Resilience. Click [here](#) to view.

National Tribal Air Association - Policy Resource Kit (PRK)

NTAA's PRK is for Tribes to submit their comments to EPA by the comment deadline of March 23, 2022. NTAA has long advocated for strong emission controls on GHG emissions that impact climate change. Tribes and Tribal Air Quality will only benefit the faster we can collectively reduce GHG emissions from existing and new stationary sources. For more information and to view, click [here](#).

NPR - Working with Tribes to Co-Steward National Parks

In the final episode of Short Wave's Summer Road Trip series exploring the science happening in national parks and public lands, Aaron talks to National Park Service Director Charles Sams, who recently issued [new policy guidance](#) to strengthen the ways the park service collaborates with American Indian and Alaska Native Tribes, the Native Hawaiian Community, and other indigenous peoples. It's part of a push across the federal government to increase the level of tribal co-stewardship over public lands. Aaron talks with Sams, the first Tribal citizen to head the agency, about how he hopes this will change the way parks are managed, how the parks are already incorporating Traditional Ecological Knowledge, and what national parkland meant to him growing up as a member of the Cayuse and Walla Walla tribes on the Umatilla Indian Reservation in eastern Oregon. Listen [here](#).

Climate Mapping for Resilience and Adaptation

Climate Mapping for Resilience and Adaptation (CMRA) integrates information from across the federal government to help people consider their local exposure to climate-related hazards. People working in community organizations or for local, Tribal, state, or Federal governments can use the site to help them develop equitable climate resilience plans to protect people, property, and infrastructure. The site also points users to Federal grant funds for climate resilience projects, including those available through the Bipartisan Infrastructure Law. Click [here](#) to view.

FEMA Establishes Revolving Loan Fund to Enhance Climate Resiliency

FEMA is launching a new opportunity called the Safeguarding Tomorrow Revolving Loan Fund (Safeguarding Tomorrow RLF), which will allow local jurisdictions to reduce vulnerability to hazards, foster greater community resilience and reduce disaster suffering. The program will provide funding to federally recognized tribes that may be eligible to apply if they received a major disaster declaration during the five-year period ending on January 1, 2021. FEMA expects to publish the Safeguarding Tomorrow RLF funding opportunity before the end of the calendar year and receive applications through spring 2023. For more information, click [here](#).

Climate Quick Reference Guides

Natural Resources Conservation Service and Southwest Climate Hub recently partnered to produce new Climate Quick Reference Guides for the entire US. The one-page guides, designed to help resource managers plan for the future, can be accessed through an interactive web map. Click [here](#) to view.

Tribal Indoor Air Quality Training & Resource Directory

EPA's Indoor Environments Division, in collaboration with the [National Tribal Air Association \(NTAA\)](#) and the [Institute for Tribal Environmental Professionals \(ITEP\)](#), is pleased to announce the availability of a valuable new resource. The resource directory is a comprehensive compilation of resources and information to help tribes identify and access various Indoor Air Quality (IAQ) resources and funding to support the creation or expansion of Tribal IAQ programs. The topics covered include asthma, radon, COVID-19, grants, EPA contacts, and more. Click [here](#) to view.

Job & Internship Opportunities

[Institute for Tribal Environmental Professionals \(ITEP\) Summer Host Sites Needed](#)

The Institute for Tribal Environmental at Northern Arizona University in Flagstaff, Arizona is seeking air quality focused offices and programs to host a college student for an 8-week summer internship. Tribal environmental offices, EPA offices, and other tribal environmental organizations are encouraged to apply. The interns will be highly motivated undergraduate or graduate students majoring in environmental or related careers from different colleges and universities nationwide. ITEP provides each student intern with a \$5,120 stipend, and housing and travel allowances for interns that relocate. The host site provides a work-place and supervision for the intern. Some internships may be virtual or hybrid. You are welcome to submit applications for both virtual/hybrid projects and in-person projects. **Application deadline: December 1, 2023**

[Dr. Nancy Foster Scholarship. NOAA](#)

The NOAA Office of National Marine Sanctuaries is seeking applications for the [Dr. Nancy Foster Scholarship Program](#) from individuals, particularly women and minorities, who due to financial constraints, may not otherwise be able to pursue an advanced degree (Masters or Ph.D.) in oceanography, marine biology, maritime archaeology—these may include, but are not limited to ocean and/or coastal: engineering, social science, marine education, marine stewardship, cultural anthropology, and resource management disciplines. **Application deadline: December 22, 2022**

[Climate Impacts Postdoctoral Fellowship on Southeastern Rare Plants](#)

The Post-Doctoral Associate will work closely with the Southeast Climate Adaptation Science Center and the Southeast Plant Conservation Alliance to develop climate-impacts information for subsets of plant species from the forthcoming Southeastern Plants Regional Species of Greatest Conservation Need (RSGCN), which will be the nation's first regional SGCN for plants. This regional list of rare and threatened plant species will provide an important resource to state and federal agencies, conservation organizations, and researchers focused on rare-plant conservation. **Application deadline: December 30, 2022**

[NOAA Bill Lapenta Internship](#)

The NOAA Bill Lapenta Internship Program is a unique 10-week long opportunity open to U.S. citizens who are sophomore or junior undergraduates, or in a graduate program. Students are matched with NOAA mentors and study a breadth of work from modeling and programming, to new data analysis techniques, and the incorporation of social science to communicate science. The 2023 Lapenta Internship will run from June 5 to August 11, 2023. **Application deadline: January 5, 2023**

[Native American Research Assistantship USFS / USGS Natural Resource Partnership with The Wildlife Society's Native American Professional Development Program](#)

Short-term research assistantships are available for Native students interested in wildlife, forest, and natural resources and excited to learn and work with an interdisciplinary team of researchers. We are seeking upper-level undergraduate (junior/senior) or graduate (M.S. or Ph.D.) students interested in conducting research in specific areas. Only a limited number of projects will be funded and are dependent on a suitable student/mentor match. **Application deadline: January 15, 2023**

[UNITE 2023 Camp Solicitation](#)

Camp 2023 is UNITE 2030's global, in-person convening, bringing together top Youth Leaders from across the globe for 6 days of innovation and co-creation for the Sustainable Development Goals (SDG). The first six days (September 11-15) of Camp 2030 takes place in upstate New York, tucked into a quiet corner of Adirondack National Park near the town of Warrensburg (four hours from New York City). Campers will not only innovate for the SDGs, but build meaningful friendships & relationships with fellow Changemakers from all over the world, paving the way for partnerships, collaboration, and co-creation. **Application deadline: January 18, 2023**

[Art x Climate: A Project of the Fifth National Climate Assessment](#)

The U.S. Global Change Research Program, in collaboration with Smithsonian Institution, the National Oceanic and Atmospheric Administration, the National Science Foundation, and the Federal Emergency Management Agency, invites people to create art that tells

a story about climate change in the United States: its causes, impacts, and manifestations; our shared vulnerabilities; and the strength of our collective response. This call seeks to strengthen partnerships between science and art and demonstrate the power of art to advance the national conversation around climate change. There are two calls for art: one for artists ages 13–17, and the other for artists 18 years of age and older.

Application deadline: January 27, 2023

[Institute for Tribal Environmental Professionals \(ITEP\) Summer Internships](#)

Spend your summer working with tribal organizations to address tribal environmental issues. The internships have a research, technical, educational or policy focus. We are offering at least 8 positions in air quality. You can apply for up to 8 positions with one application. The internship program provides each student intern with a \$5,120 stipend. We also have travel and housing stipends for those that relocate for the internship. Host sites are selected from tribal environmental organizations, government offices, the US Environmental Protection Agency (USEPA) and others.

Application deadline: February 1, 2023

[Renewable Energy Scholarship Foundation - Renewable Energy Scholarship](#)

The Renewable Energy Scholarship Foundation is now accepting applications for their 2023 scholarships. Scholarships of up to \$2000 are available to eligible Oregon and Washington students pursuing advanced studies in renewable energy. One specific scholarship, the Jeff Morris Scholarship, is designated for any Native American or Alaskan Native undergraduate or graduate student anywhere in the US that is studying an aspect of renewable energy. **Application deadline: February 15, 2023**

[Rising Voices Changing Coasts Summer Internship](#)

This is an eight-week paid internship designed to introduce Indigenous/ Native participants to climate research centering Indigenous knowledges of place, as well as Indigenous methods and methodologies. Participants will meet Indigenous and non-Indigenous climate scientists from multiple disciplines who are all doing climate-related work. Participants will spend four weeks in Lawrence Kansas at Haskell Indian Nations University; ten days in Hawaii, Alaska, Louisiana, or Puerto Rico; two days at the National Center for Atmospheric Research in Boulder, CO; and then return home to complete their summer research project with faculty online. For a fillable PDF application, or questions, contact Paulette Blanchard, PhD at p.l.blanchard@outlook.com. **Application deadline: February 24, 2023**

[2023 Truman D. Picard Scholarship. Intertribal Timber Council](#)

The Intertribal Timber Council is accepting applications for the 2023 Truman D. Picard Scholarship. The Truman D. Picard Scholarship Program is dedicated to supporting Native American students pursuing a higher education in Natural Resources. The scholarship is open to Native graduating senior high school students, undergraduate college students, and graduate students pursuing studies in natural resources. Awards vary depending on education level, but range from \$2,000 to \$2,500. **Application deadline: March 10, 2023**

[Staff Research Scientist, Indigenous Climate Stewardship Lead](#)

The Desert Research Institute's (DRI) Division of Atmospheric Sciences, the Climate Science Alliance (CSA) and the Climate Center Group at DRI is seeking an exceptional and resourceful individual to join our team as the Indigenous Climate Stewardship Lead. The Indigenous Climate Stewardship Lead will have the primary function of facilitating engagement activities focused on sustained and meaningful facilitation with Indigenous community partners, with particular focus on building pathways for engagement, support, and partnership between Tribes and scientists, stakeholders, and non-tribal partners in Nevada. **Application deadline: open until filled**

[Director of Tribal Affairs \(Tumwater\)](#)

Washington State Parks is seeking an experienced leader to serve as our Tribal Affairs Director. This position is new for the agency and is a meaningful opportunity to help State Parks communicate and work more effectively with tribal governments. The Washington State Parks and Recreation Commission is currently seeking a full-time permanent Director of Tribal Affairs, located at Headquarters, in Tumwater, WA. This position is a Washington Management Service Band 3 (WMS 3). **Application deadline: open until filled**

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 University 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
- 4) Conservation Innovation Grants (USDA Natural Resources Conservation Service) <https://www.nrcs.usda.gov/>

Landscape Scale Restoration Grant Program for Tribes, U.S. Forest Service

The Landscape Scale Restoration Program is a Forest Service State and Private Forestry competitive grant program that promotes collaborative, science-based restoration of priority forest landscapes and furthers priorities identified in State Forest Action plans or equivalent restoration strategy. Landscape Scale Restoration projects cross multiple jurisdictions, including Tribal, state and local government, and private forest land, to address large-scale issues such as wildfire risk reduction, watershed protection and restoration, and the spread of invasive species, insect infestation and disease. The instructions and proposal form are posted in Grants.gov Opportunity: USDA-FS-2023-LSR-TRIBES. **Application Deadline: December 15, 2022.**

Community Capacity Grants for Climate Solution Deployment Projects, VertueLab

This grant opportunity is a part of VertueLab's Frontline Impact Program, which seeks to improve access to climate solutions for frontline communities and ensure that these communities experience the long-term economic benefits of

climate-related business ownership. Funding will be available only to projects within the State of Oregon, with awards of \$25,000 and staff support from the Pacific Northwest's leading climate tech accelerator. For more information, contact VertueLab's Community Engagement Manager, Benjamin Roldan at benjamin.roldan@vertuelab.org. **Application deadline: December 15, 2022**

U.S. Fish and Wildlife Service - National Fish Passage Program

The National Fish Passage Program (NFPP) is a voluntary program that provides direct technical and financial assistance to partners. NFPP aims to maintain or increase fish populations in order to improve ecosystem resiliency and to provide quality fishing experiences for the American people. Example project types include dam removals, culvert replacements, and the installation of fishways. **Application deadline: December 30, 2022**

Climate Action Fund Grant

The Climate Action Fund (CAF) was established in 2009 to award small grants to frontline community groups that are fighting to prevent fossil fuels from being extracted and/or the construction of large point sources of greenhouse gas emissions. CAF is a grassroots alternative to carbon offset programs. Instead of purchasing carbon credits, funds will be used to empower frontline communities to keep fossil fuels in the ground where they belong. Grants generally do not exceed \$2,500. **Application deadline: December 31, 2022**

Cultural and Community Resilience, National Endowment for the Humanities

The National Endowment for the Humanities (NEH) Division of Preservation and Access is accepting applications for the Cultural and Community Resilience program. This program supports community-based efforts to mitigate climate change and COVID-19 pandemic impacts, safeguard cultural resources, and foster cultural resilience through identifying, documenting, and/or collecting cultural heritage and community experience. The program prioritizes projects from disadvantaged communities in the United States or its jurisdictions, and NEH encourages applications that employ inclusive methodologies. **Application deadline: January 12, 2023**

Building Resilient Infrastructure and Communities (BRIC), FEMA

The Building Resilient Infrastructure and Communities (BRIC) program makes federal funds available to states, US territories, Indian tribal governments, and local communities for pre-disaster mitigation activities. With a general focus on disasters, risks, and hazards, including those associated with climate change, the guiding principles of the program are

to: (1) support state and local governments, tribes, and territories through capability- and capacity-building; (2) encourage and enable high-impact investments to reduce risk from natural hazards; (3) promote partnerships and enable high-impact investments to reduce risk from natural hazards; (4) provide an opportunity to reduce future losses and minimize impacts on the Disaster Relief Fund; (5) promote equity, including by helping members of overburdened and underserved groups; and, (6) support the adoption and enforcement of building codes, standards, and policies that will protect the health, safety, and general welfare of the public. **Application deadline: January 27, 2023.**

NOAA Adaptation Sciences (AdSci) Program FY2023 Funding Competition: Island Resilience

The NOAA Climate Program Office Adaptation Sciences (AdSci) Program is now accepting proposals for research projects beginning in Fiscal Year 2023. Through the FY2023 competition, NOAA's AdSci Program is soliciting proposals for interdisciplinary and participatory research activities that address island-identified resilience needs in the Caribbean and Pacific; with an emphasis on projects that result in: (1) contextually relevant and usable information about climate impacts, vulnerabilities and solutions; (2) the evaluation, identification and strengthening of the adaptive capacities of institutions, communities, sectors and islands; (3) and/or the integration of climate information in adaptation planning, action and long-term resilience strategies. **Application deadline: January 31, 2023.**

Department of Energy (DOE) Clean Energy Technology Deployment on Tribal Lands - 2022

The DOE Office of Indian Energy is soliciting applications from Tribes to install clean energy generating system(s) and energy efficiency measure(s) for Tribal buildings; deploy community-scale clean energy generating system(s) or energy storage on Tribal lands; or install integrated energy system(s) for autonomous operation to power essential Tribal facilities during emergency situations or for Tribal community resilience. Individual awards vary depending on type of project with a range from \$100,000 to \$4,000,000. **Application deadline: February 9, 2023**

Department of Energy Powering Unelectrified Tribal Building(s)

The DOE Office of Indian Energy is soliciting applications from Tribes to provide electric power to Tribal buildings that would otherwise be electrified by deploying integrated energy system(s) or energy infrastructure. Individual awards vary depending on type of project with a range from \$250,000 to \$4,000,000. **Application deadline: February 23, 2023**

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>

December 2022

Summit: December 6-8, Anchorage, Alaska

[Registration Open: Arctic Rivers Summit](#)

The Arctic Rivers Summit will be an in-person workshop to discuss the current and potential future states of the Alaskan and Yukon rivers and fish and how we can adapt. The Summit will bring together up to 150 Tribal and First Nation leaders, community members, managers, and knowledge holders, western scientists, federal, state, and provincial agency representatives, academic partners, non-governmental organizations, and others. The Summit is being held as part of a five-year Arctic Rivers Project funded by the National Science Foundation's Navigating the New Arctic Program.

Webinar: December 8, 3:00 pm-4:30 pm EST

[A Path to Successful EPA Grant Applications for Your Tribal Wetland Program](#)

NAWM and the U.S. Environmental Protection Agency (EPA) work with tribes to help them develop effective wetland programs which accommodate and account for the unique ways in which Tribes manage their wetland and cultural resources. The first of these webinars are developed with an advisory group from EPA Region 10 and the Pacific Northwest Tribal Wetlands Working Group (TWWG). Later webinars in this series capture lessons learned from Tribes in regions all across the U.S. For more information and/or to join our email list for notices about upcoming events, please contact Laura Burchill at laura@nawm.org or (207) 892-3399.

Webinar: December 15, 3:00 pm-4:30 pm EST

[Protecting Waters and Wetlands in Indian Country: An Overview and Case Studies from EPA's New Tribal Wetland Program Guide](#)

This webinar will provide an overview of Protecting Waters and Wetlands in Indian Country: A Guide for Developing Tribal Wetland Management Programs, a new guide designed to aid Tribes in strategic wetland resource planning and management, including guidance that is more relevant to the unique Tribal situations and more accessible for the Tribal reader. The guide augments the

existing National Association of Wetland Managers 2013 Wetland Program Plans Handbook, which provides a sound foundation on the core program elements. The guide was produced in collaboration with Tribes from across the country and in response to a direct request from the Tribes, in order to help them protect wetlands and aquatic resources. The webinar will include an overview of the guide followed by a panel discussion on the process of preparing the guide, information found in the guide, and examples of how it may be used by Tribal communities.

February 2023

Conference: February 6-9, Charleston, South Carolina
[Coastal GeoTools Conference](#)

The 2023 conference will include a focus on tribal and Indigenous communities with a pre-conference training, a keynote plenary, and several sessions and tool demonstrations. These sessions will explore tribal needs, the use of geospatial technology to address coastal issues, and engagement strategies for working with tribal communities.

Conference: February 6-10, Anchorage, Alaska & Hybrid
[Alaska Forum on the Environment](#)

This year's conference will feature a hybrid event at the Dena'ina Center in Anchorage, Alaska and online in AFE's Virtual Attendee Hub. With in-person and virtual attendance options for both attendees and exhibitors, AFE will be better than ever! Registration is now open. Early bird discount available until October 31, 2022

Summit: February 21-23, St. Louis, Missouri
[Midwest Climate Summit](#)

The Midwest Climate Summit expands climate knowledge, accelerates climate action, and catalyzes new partnerships across the region that deepen expertise and develop equitable responses to the climate crisis. The 2023 summit is scheduled to be an in-person event in St. Louis with a virtual option.

March 2023

Conference: March 12-18, Ghost Ranch, New Mexico

[Southwest Tribal Climate Camp](#)

The Affiliated Tribes of Northwest Indians, Navajo Technical University, Institute for Tribal Environmental Professionals, and the Northwest, Southwest, and Southcentral Climate Adaptation Science Centers have announced that they are accepting applications for the 2023 Tribal Climate Camp. The Camp will support teams of Tribal leaders, climate change coordinators, planners, and program managers to build skills, gather information, and develop Tribal plans and policies needed to address climate change impacts. Applications will be prioritized from delegations of 3-4 individuals from each Tribe and/or organization and will be considered from all geographies. Application deadline: January 12, 2023

Conference: March 22-25, Tucson, Arizona

[2023 Native Food Energy Water Systems \(FEWS\) Annual Gathering](#)

The Native FEWS Alliance has annual gatherings in March each year, with the 2023 Gathering hosted in Tucson, Arizona, by the University of Arizona, March 22-25. The FEWS Alliance vision is to build a diverse workforce at the nexus of Food, Energy and Water Systems, and design curricula and mentoring that combine Indigenous ways of learning with physical sciences and engineering methodologies. The 2024 Gathering will be hosted by AIHEC.