



Institute for Tribal Environmental Professionals



Tribes & Climate Change Newsletter

2022 December

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.



USA, border between Utah and Arizona, Navajo Indian Reservation, the Monument Valley

Meet the Climate Change Team

Nikki Cooley, Diné (Asdzáá/She/Her)
Co-Manager & ITEP Interim Assistant Director
Nikki.Cooley@nau.edu

Karen Cozzetto (She/Her)
Co-Manager
Karen.Cozzetto@nau.edu

Kelsey Morales (She/Her)
Assistant Manager
Kelsey.Morales@nau.edu

Laureen Lewis, Hopi/Havasupai, (She/Her)
Administrative Assistant
Laureen.Lewis@nau.edu

McKenzie Jones (She/Her)
Program Associate
Mckenzie.Jones@nau.edu

Kelsey Jensen, Diné (She/Her)
Research Associate
Kelsey.Jensen@nau.edu

Taryn Bell (They/Them)
Student Intern
Graduate Student - Climate Science and Solutions Program

Brooke Damon (She/Her)
Student Intern
Undergraduate Student - Environmental Science with a minor in Indigenous Health Studies



Bunny ears in the snow.

Happy Gregorian New Year! I hope you are just coming back from your holiday or that you are still plugging away at work or chores at home. I had a great holiday with family and friends, and then I started off the calendar year at work with a budget meeting and then more budgets and workplans. Strangely enough, I enjoyed myself because in the past year, something clicked and all the puzzle pieces came together, and budgets and spreadsheets made more sense. My co-manager, Karen is so good at spreadsheets and numbers, and has always been patient with me. I am better at words than numbers, and when it came to budgets, it became a stressful situation. Even then, Karen and I have written numerous budgets and spent many hours together moving numbers. I mentioned to another colleague that I was having fun with the large budget we were working on and she said it was probably because we were working towards goals that we were invested in. They represented hope and possibilities for the future.

Finding the joy and hope in the unexpected has been fulfilling and motivating for me. Especially when it comes to my work and my personal life. I find that stressing out took a significant toll on my emotional and physical well-being, which at times impacted my family. And that is not conducive to an overall healthy lifestyle. So, I made changes even though it took some time, I feel I am at decent place where I can take many deep breaths and just go with the flow. This has allowed me more time to reflect upon myself, be conscious and thankful for life. We have had too many relatives walk onto the next world too soon and for others, it was time to leave.

One of the things I have been reflecting on life and death especially with so many walking on recently including animals. As more vehicles are purchased and driven, the rate of wildlife mortality along and around roads has increased. Every time I see an elk, deer, porcupine, skunk, prairie dogs, etc., dead and left on the roads, I wonder how their families are feeling. Their families are now missing a link and perhaps an important one. I strongly believe all beings have memories, feelings. We, as humans, would be selfish and dismissive to think otherwise. Humans have become so used to seeing and doing, that we do not mourn or pray or make offerings in their honor. And we should. Especially with so many of us speaking about spirituality and how we are connected to the earth. Frankly, we are even more disconnected if we are to continue letting our relatives, the animals, be killed and have their bodies remain on the roadways without proper acknowledgement or removal from further desecration.

What do you think? I'd love to hear your perspective on how we can be better relatives. With the end and start of the Gregorian calendar, many of us making resolutions, setting goals, changing our ways, or working on our bread making skills. Perhaps we can do one thing to make us better relatives. What is that one thing you're going to do?

Walk and be in beauty! Hozhó jí!

[The Far Side \(FB\)](#)
[Sharing Biggest Mistakes \(Youtube\)](#)
[Native Forward Scholars Fund](#)

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

Advisory Committee Members:

Tribal Representatives:

Jerry Cain

Mississippi Band of Choctaw Indian

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:

Lisa Bacanskas

U.S. Environmental Protection Agency

Alicia Bell-Sheetter

U.S. Forest Service

Erica Bollerud

U.S. Environmental Protection Agency

Ashley Fortune Isham

U.S. Fish & Wildlife Service

Alyssa Samoy

Bureau of Indian Affairs

Crystal Keys

Bureau of Indian Affairs

Tribal Resilience Liaisons:

Malinda Chase

Tribal Resilience Learning Network, Alaska
Climate Adaption Science Center

Amelia Marchand

Northwest Climate Adaption Science Center
& Affiliated Tribes of Northwest Indians

Sara Smith

Northeast Climate Adaption Science Center &
College of Menominee Nation

Stefan Tangen

North Central Climate Adaption Science
Center & Great Plains Tribal Water Alliance

April Taylor

South Central Climate Adaption Science
Center & Chickasaw Nation

Casey Thornburgh

Northeast/Southeast Climate Adaption
Science Center & United Southeastern Tribes

Justin Leon

Native American Fish and Wildlife Society and
Alaska Climate Adaptation Science Center

In The News

[Future Leaders Learn And Grow At National Summit](#)

A group of 20 youth leaders got to attend the White House Tribal Nations Summit this year. There is a short window between being a youth leader and stepping into an elected position. This is why Native youth say it's important to be present at the White House Tribal Nations Summit. This is the first year that the Center for Native American Youth has brought young people but it isn't the first time youth have been present at the summit. © Indian Country Today, 12/2/22

[Climate-Driven Drought Is Stressing Hopi Foods And Traditions](#)

Corn goes back to their very creation story. As the Hopi people emerged into this world, the Creator gave them three things: a gourd of water, a planting stick and a short ear of blue corn. Clark Tenakhongva holds traditional Zuni gold beans and cow beans that he just harvested in September 2022 at his field in First Mesa on the Hopi Reservation in Arizona. Tenakhongva uses the traditional method of "dry farming" in which he does not irrigate his fields to grow the beans and corn, but dry farming is becoming more more challenging after more than two decades of drought in the Southwestern United States. © Indian Country Today, 12/3/22

[Cocopah Tribe Working to Restore Native Plants, Landscape on Colorado River](#)

The Colorado River runs more than 1,400 miles starting as a trickle of snowmelt in northern Colorado. It becomes a roaring torrent as it cuts through canyons and five Western states. Now after more than a century of dam building and development along the river, it ends as a trickle again at the Arizona-Mexico border. The river was once the lifeblood of the Cocopah, or River People. The Cocopah Tribe has begun trying to return a sliver of that landscape to what it once was. © KJZZ, 12/07/22

[During Visit to Klamath River, Secretary Haaland Announces Four Tribal Water Projects](#)

The Department of the Interior announced today that four Tribal water projects in Oregon and California's Klamath River Basin will receive \$5.8 million through the

Bureau of Reclamation to restore aquatic ecosystems, improve the resilience of habitats, and mitigate the effects of the ongoing drought crisis. The funding is made available through Reclamation's Native American Affairs Technical Assistance to Tribes Program. © U.S. Department of Interior, 12/08/22

[Indian Country Needs Money to Protect Its Wildlife Heritage. Congress Must Help](#)

Over the last few decades, there has been a steady stream of news about the crisis facing fish and wildlife across the world. The journal Science in 2019 reported the loss of nearly three billion birds in North America since 1970, and more than 1,600 plant and animal species in the United States now require federal protection for survival. Worldwide, extinctions are accelerating. One comprehensive study warned that as many as one million species worldwide could vanish, many within decades. © The New York Times, 12/12/22

[Alaska's Arctic Waterways are Turning Orange. Threatening Drinking Water](#)

Dozens of once crystal-clear streams and rivers in Arctic Alaska are now running bright orange and cloudy, and, in some cases, they may be becoming more acidic. This otherwise undeveloped landscape now looks as if an industrial mine has been in operation for decades, and scientists want to know why. Roman Dial, a professor of biology and mathematics at Alaska Pacific University, first noticed the starkest water-quality changes while doing field work in the Brooks Range in 2020. He spent a month with a team of six graduate students, and they could not find adequate drinking water. "There's so many streams that are not just stained, they're so acidic that they curdle your powdered milk," he said. In others, the water was clear, "but you couldn't drink it (because) it had a really weird mineral taste and tang." © High Country News, 12/13/22

[5 Ways Scientists, NGOs, and Governments Can Support Indigenous-led Conservation](#)

Tribal and Indigenous communities have been stewards of land, waters, and wildlife since time immemorial. Increasingly, the Biden administration and conservation organizations

across the country are coming to understand the importance of Indigenous-led conservation approaches. A report published in 2021 found that although Indigenous peoples make up just 5 percent of the global population, they are protecting 80 percent of the world's remaining biodiversity. An earlier analysis from 2018 found they manage or have tenure rights over a quarter of the world's land surface—including about 40 percent of all terrestrial protected areas and ecologically intact landscapes. © Center for American Progress, 12/13/22

[The Future of Climate Adaptation is Here in the Native Village of Newtok, Alaska](#)

Fifteen years ago, the residents of the tiny village of Newtok—which sits along an eroding riverbank near the Bering Sea in southwest Alaska—were dubbed some of America's "first climate refugees" by The New York Times and a series of other national media outlets. Newtok, an Alaska Native community with some 300 residents at the time, stood on the remote edge of the United States as a harbinger of the ways in which climate disasters would disrupt our daily lives. Warming temperatures have shortened winter in Newtok, thawed the permafrost that helps hold the place together, and increased erosion rates to catastrophic levels—shredding the land into giant, muddy chunks, threatening to topple houses. © The Nation, 12/14/22

[Nearly \\$105 Million in Fish Passage Funding Recommended under Bipartisan Infrastructure Law, Including Significant Funding for Tribes](#)

NOAA is recommending nearly \$105 million in funding for 36 fish passage projects this year and \$61 million in future funding under the [Biden-Harris Administration's Bipartisan Infrastructure Law](#). With this historic level of funding, our partners will reopen migratory pathways and restore access to healthy habitat for fish across the country. Fifteen of these projects—more than \$26.3 million in funding—will be led by tribal applicants for fish passage and to build tribal organizational capacity. In addition, nearly two-thirds of the remaining projects will directly involve tribes and are aligned with tribal priorities. © NOAA Fisheries, December 12/14/22

Resources

Fifth National Climate Assessment Comments

The Fifth National Climate Assessment (NCA5), currently in development, will analyze the impacts of global change in the United States. As in previous assessments, NCA5 will undergo an extensive, multi-phase process of internal and external review from federal agency experts, the general public, and external peer review by a panel of experts established by the National Academies of Sciences, Engineering, and Medicine. This approach is designed to result in a report that is authoritative, timely, relevant, and policy neutral; valued by authors and users; accessible to the widest possible audience; and fully compliant with the Global Change Research Act (GCRA) and other applicable laws and policies. **Comment deadline: January 27, 2023.** Click [here](#) for more information.

NDN Collective - The Inflation Reduction Act of 2022: Investments for Tribal and Indigenous Communities

The Inflation Reduction Act of 2022 (IRA) directs over \$722 million specifically to Tribal and Indigenous communities and includes another \$46 billion that Tribal and Indigenous communities are eligible to apply for. For electrification, the IRA makes available over \$35 million in resources to Tribal and Indigenous communities. This brief outlines the IRA provisions designated to help Tribal and Indigenous communities lower their energy costs, transform their energy systems and reduce pollution through efficient, beneficial electrification. For more information, click [here](#).

Karuk Tribe and Southwest Climate Adaptation Science Center Fellows Release Intentional Fire Podcast Series

The [Karuk Tribe Department of Natural Resources](#) recently released a podcast series in collaboration with the 2020-2021 cohort of the SW CASC Natural Resources Workforce Development (NRWD) Fellowship. [Intentional Fire](#) discusses cultural and prescribed burning, the barriers to intentional fire, and possible solutions. Through interviews with traditional practitioners, the podcast seeks to amplify the practitioners' connection to, and advocacy for, intentional fire. The creators hope that the podcast "gives a voice to those impacted by fire suppression and fire exclusion and is an opportunity to learn from Karuk People about their relationship to fire." Click [here](#) to listen.

Newly Launched Colorado River Science Wiki Provides Information Hub for Water Resource Management

The newly launched [Colorado River Science Wiki](#), created by SW CASC researchers, is now available for use by managers and other decision-makers, researchers, the media, and the broader public! The Wiki is a web-based platform with many goals, including helping to inform discussions about the next Interim Guidelines on the Colorado River. The site summarizes and shares the most recent Colorado River research, increases visibility of the activities of the research community, and makes accessible important datasets and tools. Additionally, it is a space where contributions can be made by the community and ownership is shared, and where advances in science are given context so they have more value to non-specialists (e.g., agency staff, congressional staffers, 1st year grad students, journalists). Click [here](#) to view.

The Status of Tribal Air Report (STAR)

The National Tribal Air Association's STAR is an annual publication intended to provide an understanding of the importance and impact of Tribal air programs. Nationally vetted Tribal needs, priorities, and recommendations are

all outlined, and the successes and challenges experienced by the environmental professionals are highlighted by way of personal narratives submitted by the Tribes themselves. A budget analysis appendix is included in each edition of the STAR, and over the years a variety of other appendices have served to underscore important and relevant topics. Click [here](#) to view.

The State of Native Youth Report 2022 - Native Youth Are Medicine

The Center for Native American Youth (CNAY) is proud to release Center Us: The State of Native Youth. This report celebrates and honors Native youth and the issues they care about. Center Us serves as a space for Native youth truths, and stories. From Native youth authors to Native youth artists, the 2022 State of Native Youth Report is a reflection of the work of CNAY, and the future we desire to build collectively. Click [here](#) to view.

USDA Announces New Resources to Empower Indigenous Food Sovereignty.

The U.S. Department of Agriculture has announced new resources and agreements of the USDA Indigenous Food Sovereignty Initiative that was launched in 2021 to promote traditional food ways, Indian Country food and agriculture markets, and Indigenous health through foods tailored to American Indian/Alaska Native dietary needs. Some of the new resources include: the "Transitioning from Cattle to Bison" guidebook in partnership with the Intertribal Buffalo Council (ITBC); six seed cleaning/fanning mills purchased to help launch Indigenous seed saving hubs in the Midwest and Southwest; videos on foraging wild and Indigenous plants; and recipes and cooking videos. Additionally, new cooperative agreements have been made with Tribal-serving organizations to expand the USDA Indigenous Food Sovereignty Initiative. Additional information can be found on the USDA website [here](#).

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.

Job & Internship Opportunities

[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**

[Apply Now to Attend the 2023 Tribal Climate Camp](#)

The Affiliated Tribes of Northwest Indians, Navajo Technical University, Institute for Tribal Environmental Professionals, and the Northwest, Southwest, and South Central Climate Adaptation Science Centers are now accepting applications for the 5th Tribal Climate Camp on March 12-18, 2023 in Ghost Ranch, New Mexico. The goals of the Camp are centered around understanding the sensitivity of Native groups to climate change and building the capacity of Tribal leaders to be resilient in the face of climate impacts within their Tribes. Delegations of 3-4 people from Tribes and/or Tribal organizations in any geographical region of the United States are welcome to attend. **Application deadline: January 12, 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**

[Request for Nominations to the White House Environmental Justice Advisory Council](#)

The Council on Environmental Quality (CEQ) within the White House invites the public to submit expressions of interest in serving as members of the White House Environmental Justice Advisory Council (WHEJAC). The WHEJAC is charged with providing advice to the White House Environmental Justice Interagency Council (IAC) and the Chair of the White House Council on Environmental Quality (CEQ) on a whole-of-government approach to address issues related, but not limited, to environmental justice. Submit expression of interest questionnaire and resumes for nomination electronically with the subject line WHEJAC Membership 2023 to whejac@epa.gov. For more information, contact: Karen Martin, U.S. EPA, by telephone at (202) 564-0203, or email at whejac@epa.gov. **Application deadline: January 17, 2023**

[UNITE 2023 Camp Solicitation](#)

Camp 2030 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**

[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. Participants will be paid \$3,840 over eight weeks. For a fillable PDF application, or questions, contact Paulette Blanchard, PhD at p.l.blanchard@outlook.com. **Application deadline: February 24, 2023**

[Apply for the Native Youth Climate Adaptation Leadership Congress](#)

The [2023 Native Youth Climate Adaptation Leadership Congress](#) (NYCALC) seeks to build student confidence in their cultural identity as they learn about Indigenous traditions and climate concerns across the United States and territories. Students will develop conservation leadership skills and build on their knowledge and abilities to address climate challenges in their communities in this week long Congress. **Applications** will be open December 1, 2022 through February 28, 2023 for groups of 3 to 5 Indigenous rising high-school seniors, accompanied by a mentor, from federally recognized tribes in the United States and territories. 2023 NYCALC will be held at the National Conservation Training Center in Shepherdstown, West Virginia from June 25 - 30, 2023. For more information, contact the New Mexico Wildlife Federation at nycalc@nmwildlife.org or call (505) 299-5404. **Application deadline: February 28, 2023**

[New Mexico Tribal Liaison](#)

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. **Application deadline: open until filled**

[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 engagement 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/>

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, U.S. 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 innovation; (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**

2023 Call for Proposals for the Indigenous Community Media Fund

The Indigenous Community Media Fund at Cultural Survival provides opportunities for Indigenous community radio stations and media outlets to strengthen their broadcast infrastructure and systems while providing training opportunities to their community journalists through a participatory and dynamic grants program. The initiative enhances

community efforts to establish and ensure sustainability of Indigenous community-controlled media. Indigenous community radio stations and other community media outlets and groups may apply for a grant of up to \$6,000. Radio network proposals presented by three or more Indigenous radio stations can apply for funding up to \$12,000. **Application deadline: February 15, 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**

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**

Rural Energy for America Program (REAP) Renewable Energy Systems and Energy Efficiency Improvements Grants and Guaranteed Loans

USDA Rural Development provides guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or to make energy efficiency improvements. **Application Deadline: March 31, 2023**

2023 State and Nation Native Nation Grant and Planning Competition, AmeriCorps

Through the 2023 notice of funding opportunity, AmeriCorps seeks to prioritize the investment of national service resources into disaster services like COVID-19 response, economic opportunities, education, Traditional Ecological Knowledge, Indigenous language, civic and social engagement, healthy futures and veterans and military families. Opportunities include three-year operating grants which engage AmeriCorps members in time-limited-service commitments and one-year planning grants to develop programs that implement evidence-based solutions to community needs. **Application deadline: April 5, 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>

January 2023

Convention, January 23-26, 2023. Portland, OR **[ATNI Winter Convention 2023](#)**

ATNI will engage with Tribal leaders and other elected officials, agency and department leaders, and experts in their fields on the opportunities and challenges Native communities face. Members will convene for discussion, presentations and the work of the committees in regard to policy, legislation, and the future of Indian Country in the Northwest. After registering, a link to book accommodations at the venue will be sent through confirmation email. More details to come. Register [here](#).

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.

Webinar Series: February-March, 2023 **[2023 IAIA Tribal Beekeeping Program](#)**

The Institute of American Indian Arts Land-Grant Program is organizing an introductory beekeeping course for Indigenous stewards interested in learning about what and how to keep honey bees. The free course includes 8 hours of instruction and discussion with slideshows, videos, and engaging conversation covering everything from bee biology to diverse habitat, forage needs, and biodynamic management. Additional programming will be offered in the spring and summer months to help those interested in launching their bee stewardship journey. Please sign up below to receive more info. For more info, email: landgrantprograms@iaia.edu.

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.

May 2023

Conference: May 1-4, Phoenix, Arizona **[National Tribal Forum on Air Quality](#)**

Join the National conversation on how Tribes are implementing the Clean Air Act in partnership with the U.S. EPA to improve air quality in our communities. [Call for proposals](#) are now open and available until January 27, 2023.

June 2023

Conference: June 25-30, Sheperdstown, West Virginia **[2023 Native Youth Climate Adaptation Leadership Congress \(NYCALC\)](#)**

The [2023 Native Youth Climate Adaptation Leadership Congress](#) (NYCALC) seeks to build student confidence in their cultural identity as they learn about Indigenous traditions and climate concerns across the United States and territories. Students will develop conservation leadership skills and build on their knowledge and abilities to address climate challenges in their communities in this week long Congress.