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December 2019



The North Central Climate Adaptation Science Center (NC CASC), on behalf of Tribal Resilience Liaison [Stefan Tangen](#), has developed a Tribal Climate Adaptation Newsletter to be released monthly in order to communicate resources, funding opportunities, and climate news to better connect science and resources to tribal communities in the north-central region.

If you have information you'd like to have included in our newsletter or any additional feedback, please [send us an email](#).

In this Newsletter, you will find:

- [News & Announcements](#)
- [Funding Opportunities](#)
- [Upcoming Events & Opportunities](#)
- [Research & Resources](#)

Featured Story:

Sustainable Solar Across Indian Country

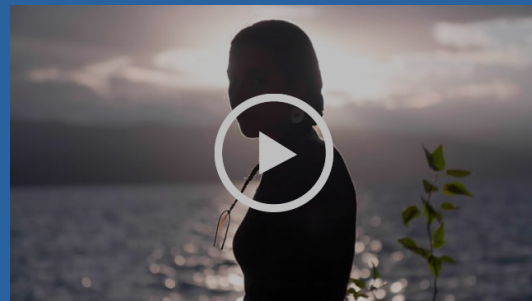


Nearly 13 years ago, an [Oglala Lakota Elder from Pine Ridge, South Dakota](#) set out on a mission to enforce tribal energy sovereignty by founding [Lakota Solar Enterprises](#) (LSE) and provide renewable energy training courses. Today LSE works with 50 other federally recognized tribes through their training programs, and has implemented off-grid solar furnaces in 500 homes. South Dakota's Flandreau Santee Sioux Tribe received a grant from the Dept. of Energy to support their [\\$750,000 solar power project](#). From South Dakota to the [Southern Ute Nation](#), more tribes across the country are making to move to solar energy. The Jicarilla Apache tribe in New Mexico has recently announced their plan to build the first tribally owned, utility-scale [50-megawatt solar project](#) that will transmit a large portion of its energy to Albuquerque.

News & Announcements

Tribal Climate Camp PSA

Produced at the 2019 Affiliated Tribes of the Northwest Indians' Tribal Climate Camp in Montana, this public service announcement calls on Tribal communities to actively work together on climate change adaptation and resilience.



[Recovering America's Wildlife Act](#)

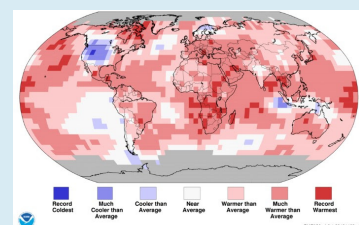
[Letters of support](#) from Tribal Nations for the [Recovering America's Wildlife Act](#) (RAWA) are being requested by the Native American Fish and Wildlife Society. Funding from RAWA would be dedicated to state and tribal fish and wildlife agencies to implement science-based action plans.

For more information, email jthor@nafws.org.



[Second Warmest October On Record](#)

While much of the U.S. experienced the coldest October in 10 years, the rest of the globe was dealing with the second hottest January-October period on record.



[Tatanka Welcomed Home](#)

In a hope to restore what was once a diverse and thriving ecosystem, four plains bison were released in Badlands National Park of South Dakota for the first time since 1877.



Funding Opportunities

[Tribal Adaptation, Ocean & Coastal Management, and Planning Grants](#)

The BIA's [Tribal Resilience Program](#) has announced grant opportunities to support Tribal Nations that need adaptation planning support and decision-making information to prepare for extreme events and harmful environmental trends that impact tribal treaty and trust resources, economies, infrastructure, and human health welfare. For further details and application information, click [here](#).

ITEP will be hosting an [informational webinar](#) on Thursday, January 9, 2020.

Grant applications must be submitted by March 2, 2020.

[Drought Contingency Planning Grant](#)

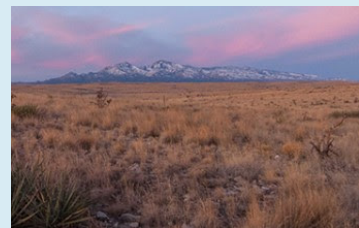
States, Tribes, irrigation and water districts, and other organizations with water or power delivery authority under this funding opportunity may request funding to develop a new drought plan or to update an existing drought plan. For the full WaterSMART Funding Announcement, click [here](#).



Funding application closes February 5, 2020.

[Five Star & Urban Waters Restoration Grants](#)

The Five Star and Urban Waters Restoration grant program seeks to develop community capacity to sustain local natural resources for future generations by providing funding to diverse local partnerships focusing on improving water quality, watersheds and the species and habitats they support.



Full Proposals are due January 30, 2020.

[2020 Energy Infrastructure on Tribal Lands](#)

The Department of Energy's [Office of Indian Energy](#) is offering \$15 million in funding to provide energy planning, education, management, conservation, and delivery programs to tribes that promote Indian tribal energy development and use, reduce energy costs, and bring power and service throughout Tribal lands.



Applications submission deadline is February 6, 2020.

[Pre-Disaster Mitigation Program](#)

Grants provided by FEMA are available to state, local and tribal

governments to implement and sustain cost-effective measures designed to reduce the risks from natural hazards.

The closing date for [PDM grants](#) is January 31, 2020.



[Invasive Species Program](#)

Funding through this BIA program will assist Tribes with management and control of native and non-native invasive species (plants/animals) on trust lands and other areas managed by the tribe through treaties or agreements.

The deadline for this grant is January 1, 2020.

[Tribal Youth Initiative Funding](#)

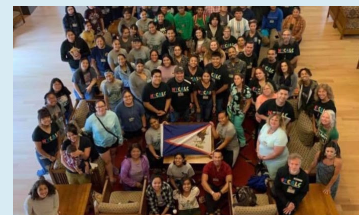
The Bureau of Indian Affairs is providing support for tribal youth programs conducting projects focused on science in alignment with conservation and resource management.

Project proposals are due by January 15, 2020.

Upcoming Events & Opportunities

[2020 NYCALC: June 27-July 2](#)

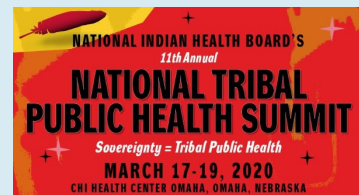
Save the date for the 2020 [Native Youth Community Adaptation & Leadership Congress](#) (NYCALC) that will be held at the National Conservation Training Center in West Virginia. Tribes may apply to send a group of 3-5 high school students and one community mentor over the age of 21. Interested parties should contact [Stefan Tangen](mailto:stefan.g.tangen@gmail.com) (stefan.g.tangen@gmail.com) or [Rachael Novak](mailto:rachael.novak@bia.gov) (rachael.novak@bia.gov) by January 23, 2019.



[11th Annual Tribal Public Health Summit](#)

The National Indian Health Board is hosting their annual Tribal Public Health Summit in Omaha, Nebraska on March 17-19, 2020. The conference will feature interactive workshops and discussions focusing on public health policy, traditional practices, environmental health and climate change, and much more.

Registration for this event ends March 8, 2020.



[Conservation Scholars Program](#)

The Doris Duke Conservation Scholars Program at the University of Washington is looking for 20 undergraduates reflecting cross-cultural perspectives with an emphasis on students from underrepresented groups in the conservation field for their 8-week summer program.

Application closes February 5, 2020.



[8th Annual Rising Voices Workshop](#)

Rising Voices' spring workshop, "Climate Resilience through Intergenerational and Place-Based Knowledges", will be held on Coast Salish Traditional Lands from April 20-May 1, 2020. The workshop will focus on exchanges between communities, generations, place-based knowledges, and other place-based climate resilience actions.



[Student Summer Internship \(SSI\) Program](#)

The Institute for Tribal Environmental Professionals (ITEP) is offering paid summer internships for Native American college students that will provide opportunities to assist EPA/Tribal governments with environmental issues. Click [here](#) to register today!

Application deadline is February 28, 2020.

[Future Park Leaders NPS Internships](#)

The National Parks Service has announced their 2020 Future Park Leaders of Emerging Change program, in which they're offering internship to undergraduate or graduate students focused on emergent management issues arising from climate change.

Regional positions: [Rocky Mountain National Park](#) & [Yellowstone National Park](#)

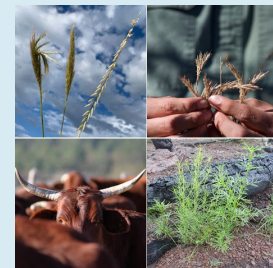
Research & Resources

[Tribal Energy Webinar Series](#)

On December 11, 2019 the Office of Indian Energy Policy and Programs is providing a webinar series focused on tribal microgrids, energy storage, and resilience. Click [here](#) to register!

[Tribal Rangeland Management Training](#)

The Native American Rangelands Partnership initiative is offering four FREE interactive online training courses through Oregon State University's PACE program. Classes are designed to promote a better understanding of rangeland systems and perform rangeland management activities to meet individual and community needs.



[Closing The Water Access Gap](#)

In a report published by the US Water Alliance, an action plan combating America's water crisis is detailed through the stories of six different affected communities across the country. Highlighted within the report is the water crisis throughout the Navajo Nation, where many residents are forced to use as little as 2-3 gallons of water per day.



[Tribal Climate & Health Adaptation Training](#)

This free interactive webinar training will provide steps, tools, templates, case studies, and other resources that seek to streamline the adaptation planning. Monthly training will be offered from January through August, 2020.

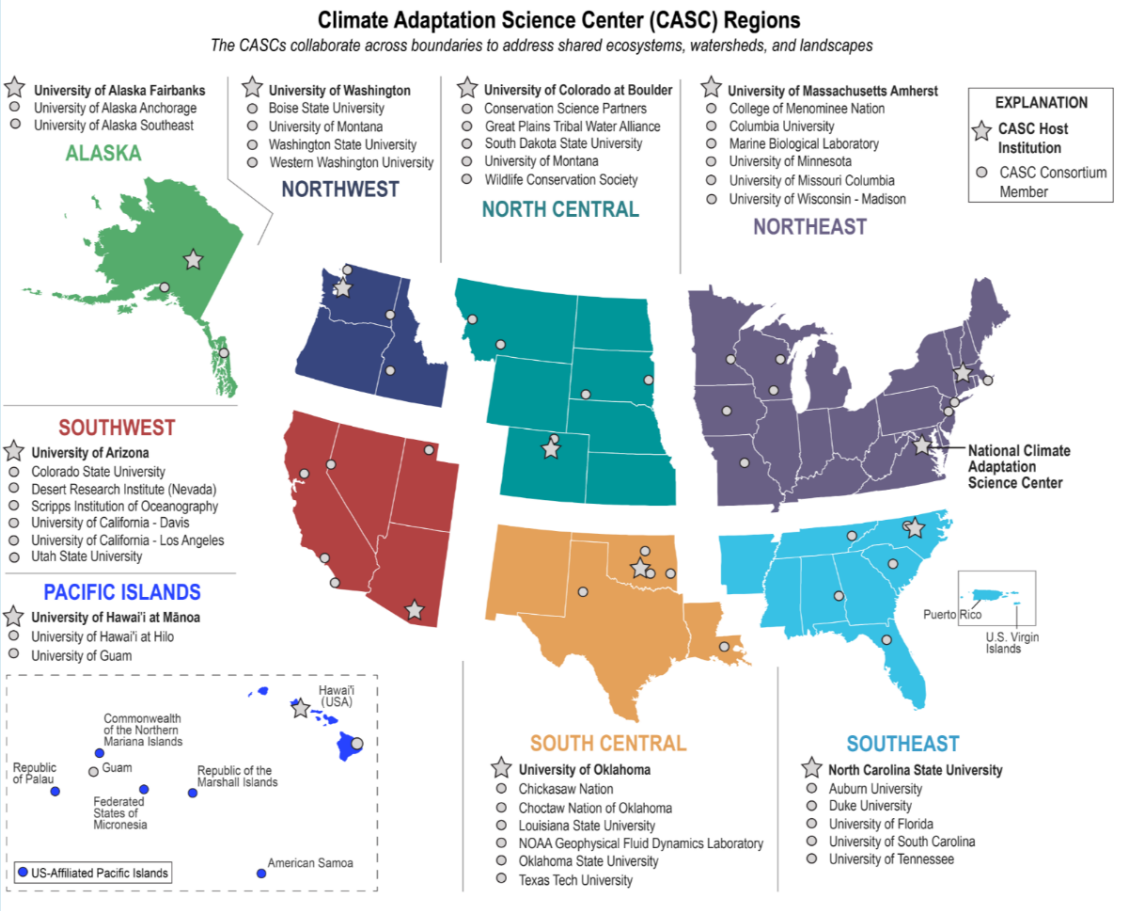


[NC CASC Survey](#)

To better understand the training needs and desires throughout the North Central region, the NC CASC is distributing a survey focused on resource management priorities. Please take the 10-15 minutes to complete our survey.



NC CASC is a part of the National Climate Adaptation Science Center and one of eight regional climate centers created to help meet the changing needs of land and managers across the country. NC CASC is a partnership between US Geological Survey and CU Boulder, created to foster both innovative and applied research, in support of natural resource management to address the needs of tribes and tribal organization.



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