



Tribal Climate Resilience Program Overview

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Tribal Climate Resilience Program (TCRP) Overview

1. Purpose
2. Awards Program
3. Examples
4. Information to Consider Needs and Priorities
5. Technical Support and Helpful Resources

TCRP Purpose

Empower Federally-recognized tribes and BIA Trust managers to achieve long-term program goals by **mainstreaming climate change considerations to reduce risk to tribal and Trust resources.**

- Enable identification of climate resilience strategies to improve outcomes for existing program operations
 - Planning and project design can minimize impacts, reduce the scale of emergencies, infrastructure damage, and threats to human health and well-being
 - Leadership engagement, delivery of data and tools, training, tribal capacity-building and federal coordination for improved planning and management
- * Implementation is largely the responsibility of the Tribal Program**



TCRP Focus Areas

TCRP supports resilient **adaptation planning** for climate risks

TCRP supports **management, and relocation, managed retreat and protect-in-place planning** in coastal and riverine communities

TCRP also supports **ocean and coastal management and planning**

- Includes Great Lakes tribes





Awards Program



How will funding be divided to address relocation and climate resiliency?

Climate adaptation planning funding has been prioritized since program inception. Relocation planning funding has been a sub-set. Future changes are dependent on appropriations language and other information.

2021 Categories of Funding

Adaptation Planning (Categories 1-3)

- Cat 1: Trainings and Workshops (\$150,000 max)
- Cat 2: Adaptation Planning (\$150,000 max)
- Cat 3: Travel Support for Adaptation Planning (\$15,000 max)

Ocean & Coastal Management Planning (Categories 4-5)

- Cat 4: Ocean & Coastal Management Planning (max \$150,000)
- Cat 5: Travel Support for Ocean & Coastal (\$15,000)

Capacity Building to develop a Category 2 proposal
(Category 6- \$65,000)

Relocation, Managed Retreat, & Protect-in-Place Planning
(Category 7- \$150,000)

Internships & Youth Engagement (Categories 8-9)

- Cat 8: Internships (\$50,000)
- Cat 9: Youth Engagement (\$50,000)



2021 Climate-adaptation-focused Categories



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Sub-set of Climate Resilience

Internships & Youth Engagement (Categories 8-9)

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- Cat 9: Youth Engagement (\$50,000)

2021 Ocean and Coastal Categories

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\$2 M/year



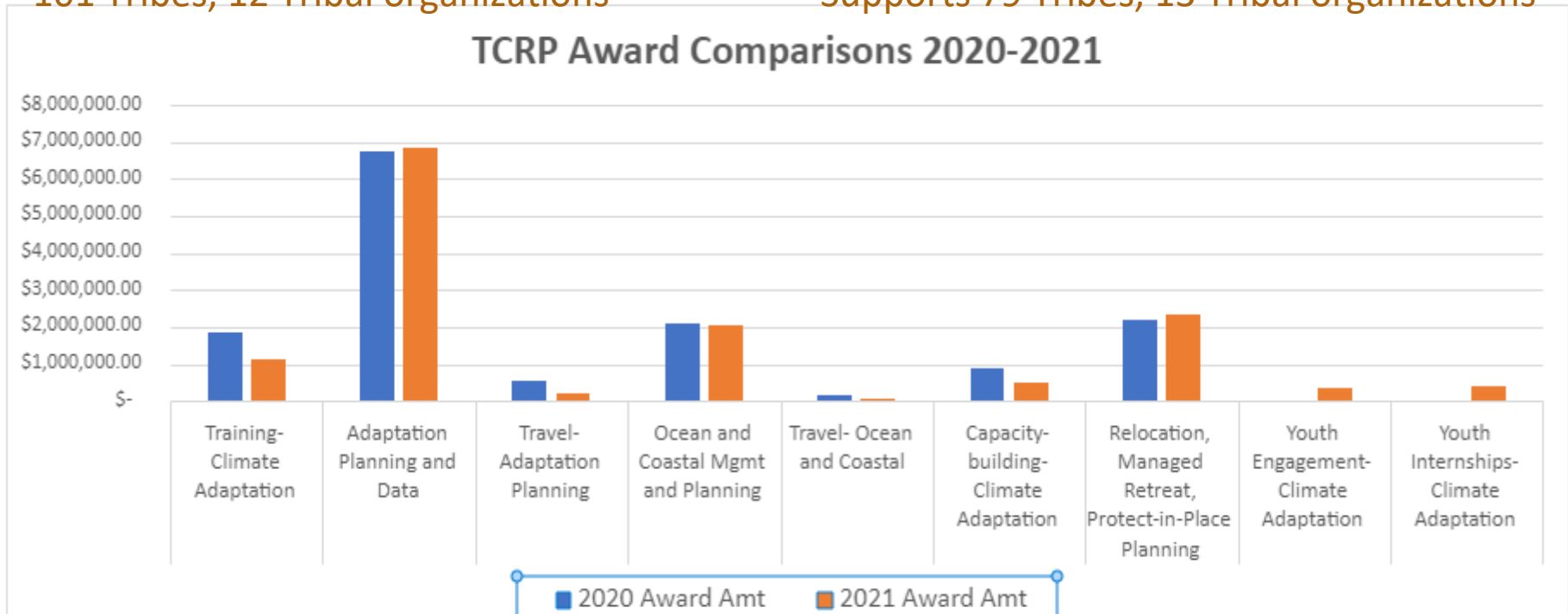
TCRP Awards Across Indian Country

2020

- Number of Awards: 159
- Amount Awarded: \$14.4M
- 101 Tribes, 12 Tribal organizations

2021

- Number of Awards: 134
- Amount Awarded: \$13.84M
- Supports 79 Tribes, 13 Tribal organizations

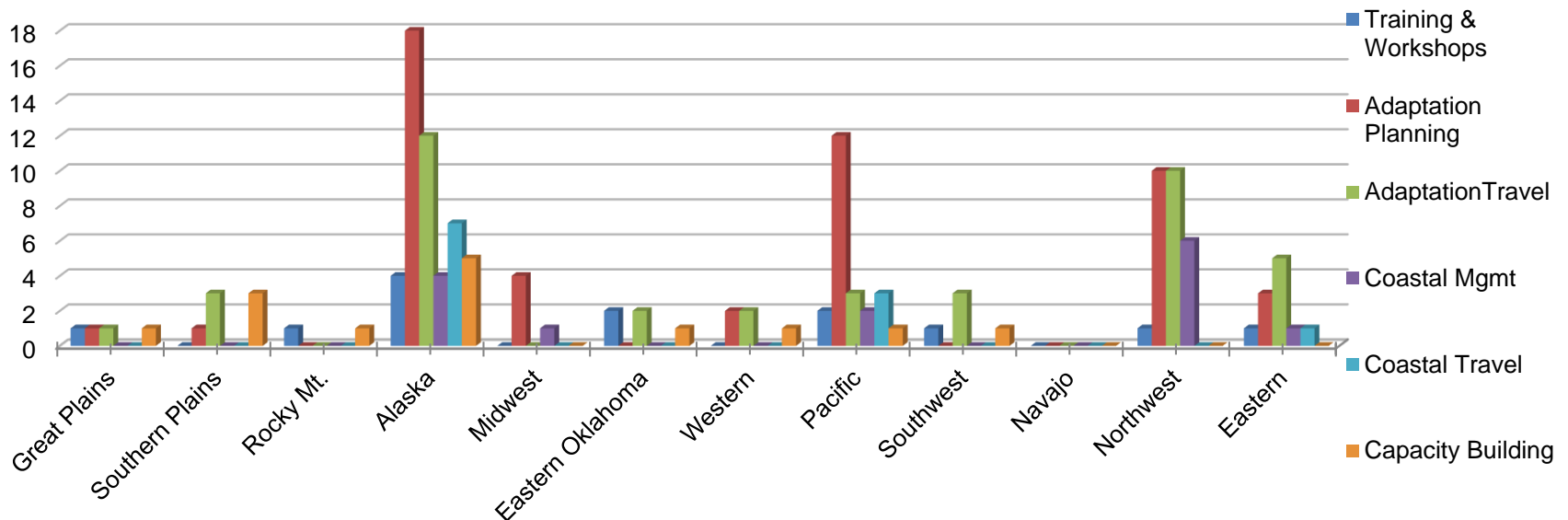


TCRP Awards have always focused on climate adaptation, relocation being a subset of climate adaptation that accounts for 15-17% of awards

TCRP Awards Nationally

- 2011-2021: 704 awards, worth almost \$75 million
- Annual awards budget ~\$8-15 million
- 2020 represents an average annual spread across BIA Regions

Fiscal Year 2020 Tribal Resilience Program Awards





Are current relocation, managed retreat, protect-in-place funds only for Alaska Native Villages?

No, current categories of funding do not exclude Tribal Nation applicants from the contiguous U.S.

Relocation, Managed Retreat, Protect-in-Place Awards

Began as a category of funding in 2020 (per[↑]2019 requests)

Support for tribes facing questions and decisions regarding managed retreat, expansion, protect-in-place, and relocation options due to threats from intensifying coastal or riverine erosion, flooding and permafrost degradation impacts, sea level rise, and similar impacts.

From NOFO FAQs:

https://www.bia.gov/sites/bia.gov/files/assets/bia/ots/tcrp/Awards_FAQ_2021.pdf

Current language includes “coastal and riverine communities”- described in FAQs as tribal communities facing threats due to

- proximity to a river, floodplain, or wetland area (including the Great Lakes), and
- that are causing the tribal community to face decisions regarding managed retreat, expansion, protect-in-place, and relocation.
- Applicants need to describe the geographic location and the challenges the tribe is facing from climate change such as intensifying coastal or riverine erosion, flooding, and permafrost degradation impacts, sea level rise and similar impacts.



Relocation, Managed Retreat, Protect-in-Place Awards

2020: 3/15 awards to lower 48 Tribal Nations

2021: 2/17 awards to lower 48 Tribal Nations



Tribe: Lower Sioux in the State Minnesota **Amount Funded:** \$150,000

Title: *Protecting Lower Sioux's Access to the Minnesota River*

Project Description: Lower Sioux is interested in a comprehensive riverine flooding and erosion assessment to

Tribe: Nez Perce Tribe **Amount Funded:** \$149,396

Title: *Lapwai Valley Flood Resilience Planning*

Project Description: Lapwai Creek is now experiencing chronic flooding that impacts the Nez Perce Tribe's horse

Tribe: Upper Skagit Indian Tribe **Amount Funded:** \$150,000

Title: *Water Supply Analysis to protect-in-place tribal infrastructure, human health and safety by mitigating impacts of extreme events.*

Tribe: Pilot Point Tribal Council **Amount Funded:** \$135,000

Title: *Coastal Erosion and Flood Study Protection*

Project Description: Coastal erosion and flooding threaten critical infrastructure essential to the economy, culture, and livelihoods of the communities of Pilot Point, Port Heiden, and Ugashik, Alaska. The community of Pilot Point has

Tribe: Tulalip Tribes of Washington **Amount Funded:** \$143,525

Title: *Coastal Managed Retreat Plan*

Project Description: The Tribe will develop a Tulalip Reservation Coastal Managed Retreat Plan using recently completed retrospective and prospective coastal erosion data along the Tulalip Reservation shoreline. This project will use modeled predictions of coastal erosion to plan for future effects on infrastructure, housing and habitat on the Tribe's coast. This plan will reflect Tulalip Tribal interests by identifying which buildings need to be protected in place, where retreat must happen and where habitat for treaty reserved resources can be protected and restored. The project will benefit multiple departments within the Tribal Government as well as non-tribal coastal residents.

Relocation, Managed Retreat, Protect-in-Place

Criteria and prioritization?

NOFO criteria track reviewer criteria

1. Describe the project design and implementation feasibility **(0-50 points)***
2. Provide a clear description of the tribal capacity building features of the proposal such as: **(0-25 points)***
3. Budget **(0-25 points)***

Supplemental points

- Prioritization (0-5 points). If tribe was identified on a priority list of at-risk communities in national, regional, or state-wide document, describe this document's risk ranking criteria, where the tribe is listed within the ranking, and provide hyperlink to document.
- Broad benefits (0-5 points). If multiple tribes or tribal programs or communities will be served or benefited, identify them. Proposals that serve multiple tribes or contribute to multiple tribal programs or communities within a tribe result in the broadest range of benefits. **Note: To be eligible for supplemental points for activities or products serving multiple tribes, letters of support or resolutions are required from tribes that will be involved or benefit.**
- Leveraged funds (0-5 points):
 - Include tribe's share of funds (if any)- not required.
- Proposal is from tribe who has not received a larger award (i.e., Category 1, 2 or 4) since 2014 from Tribal Climate Resilience Program. **(0-5 points)**

* See NOFO for expanded language*



Find More Examples of Funded TCRP Awards

Summary of 2021 Awards available here:

https://www.bia.gov/sites/bia.gov/files/assets/bia/ots/tcrp/2021_Award_Summary_.pdf





**Bureau of Indian Affairs Tribal Climate Resilience Program
2021 Funding Awards Summary**

Total Number of Awards: 135 Total Amount Funded: \$13,848,873

Category 1: Trainings and Workshops

Category 1 awards support the design and hosting of regional or national tribal climate training(s) or workshop(s) that will assist tribal leaders, program coordinators, planners, and managers in developing the skills necessary to address climate change impacts by developing tribal adaptation plans, or management options, through in-person and webinar trainings and workshops.

Number of Awards: 10 Amount Funded: \$1,116,832

Tribe: Big Valley Band of Pomo Indians **Amount Funded:** \$110,192
Title: *Anticipating Climate Change Impacts on Tribal Waterbodies and Beneficial Uses*

Project Description: Climate change-induced harmful algal blooms (HABs) are rising worldwide. California tribes and tribal communities fishing in naturally occurring water bodies, gathering aquatic reeds (tule, bulrush, sedge) for basketry and food, and conducting rituals or ceremonies within aquatic habitats (like the prayer ceremonies on the Klamath River and the annual tule festival on Clear Lake) are facing increasing health threats from cyanotoxins. The project will use the Tribe's expertise in water quality monitoring, multi-agency data-sharing and collaboration, advocacy work for culturally significant species, and the Tribe's citizen science training program to run two workshops for California tribes and tribal communities facing climate change-augmented HABs that threaten tribal beneficial uses of ancestral waters.

Tribe: Dry Creek Rancheria Band of Pomo Indians **Amount Funded:** \$132,065
Title: *Fire Resilience Training*

Project Description: The Dry Creek Rancheria Band of Pomo Indians (DCR) will use the Category 1 award to develop a fire resilience training for management of DCR lands. Fire in California has become a major threat to communities and is expected to become a greater risk to rural landscapes in the future. A portion of Dry Creek Rancheria was burned during the 2019 Kincadee Fire that burned over 77,758 acres in Sonoma County. As California heads into a critical dry year, the wildfire season may be the worst in history. Training for resiliency requires documentation of Traditional Ecological Knowledge (TEK) of historical landscape conditions and management from elders and incorporating these landscape management methods with the current landscape management science to become fire resilient.

Tribe: Pala Band of Mission Indians **Amount Funded:** \$149,966
Title: *Tribal Health and Adaptation Advanced Training Project*

Project Description: This project will provide interactive trainings and other capacity-building resources to leverage and advance the health and adaptation knowledge of tribal-serving professionals throughout the United States that are facing extreme events and harmful environmental trends. The project will develop and administer peer-to-peer virtual




**Bureau of Indian Affairs Tribal Climate Resilience Program
2021 Funding Awards Summary**

Category 7: Relocation, Managed Retreat and Protect-in-Place Planning

Category 7 awards support tribes facing questions and decisions regarding managed retreat, expansion, protect-in-place, and relocation options due to climate threats from intensifying coastal or riverine erosion, flooding and permafrost degradation impacts, sea level rise, and similar impacts.

Number of Awards: 17 Amount Funded: \$2,374,694

Tribe: Chevak Native Village **Amount Funded:** \$145,071
Title: *Riverine Erosion Assessment*

Project Description: Chevak is a Yup'ik community of 1,104 residents located in the Yukon Kuskokwim Delta on a bluff that is subject to the rapid erosion of the Ninglikfak River. Several homes and community buildings are imminently threatened by erosion of the bluff and current mitigation measures are not enough to prevent future damages and keep residents safe. The tribes plans to develop a riverine erosion assessment to predict and address expected climate change impacts in the community. This project will increase the Native Village of Chevak's capacity to develop recommendations for near-term actions and inform long-term planning to protect their community. This project is also a critical step in the effort to protect the people, lives, livelihoods, and cultures of the Native Village of Chevak.

Tribe: Chinik Eskimo Community **Amount Funded:** \$132,922
Title: *Resilience Coordinator for Adaptation Planning*

Project Description: Chinik Eskimo Community (CEC) is currently not safe. Due to increasingly severe flooding and erosion, the community of Golovin, AK must relocate all community infrastructure to a site of elevated land adjacent to the community. CEC will hire a full-time Resilience Coordinator that will focus on exclusively on coordinating efforts to protect the community infrastructure and the community. This project will build the Tribal capacity to plan for a safer and healthier future. The Resilience Coordinator will significantly advance adaptation planning and implementation. It will benefit every single member of the community as well as all Tribal programs, all community entities, as well as State and Federal partners.

Tribe: Kasigluk Traditional Elders Council (Native Village of Kasigluk) **Amount Funded:** \$145,071
Title: *Erosion Risk Assessment*

Project Description: Kasigluk, Alaska is a Yup'ik community of 627 residents located on the Johnson River in the Kuskokwim River Delta. Permafrost degradation, flooding, and erosion threatened homes, businesses, and boardwalks. Due to the severity of the threats, we are unsure if we will be able to remain in our current location. We request funding to develop a permafrost vulnerability assessment to predict and address expected severe environmental impacts in our community. This project will increase our capacity to adapt to climate change by developing community-specific data and informing our near-term actions and long-term planning efforts. This project is a critical step in our efforts to protect our people, lives, livelihoods, and culture.

Information to Consider Needs and Priorities

- [Unmet Infrastructure Needs of Tribes Facing Relocation](#), 2020
 - Appendix B: Tribal Communities in the Contiguous U.S. by Region
 - Working with Federal Partners to Coordinate Efforts
 - Existing Threat Assessment Reports
 - Upcoming tribal climate listening sessions this fall will help provide climate science and resource priorities of Tribal Nations
 - Sessions will inform future engagement and efforts.
 - Regulations.gov docket also set up to provide comments
 - Reports to follow each session



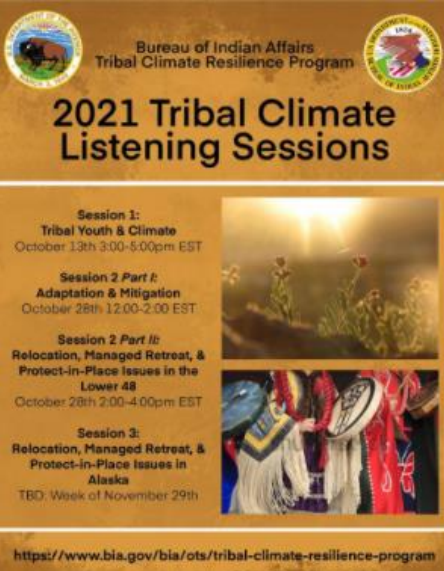
GAO

United States Government Accountability Office
Report to the Ranking Member,
Subcommittee on Transportation
and Infrastructure, Committee on
Environment and Public Works,
U.S. Senate

CLIMATE RESILIENCE

A Strategic
Investment
for High-Pri
Projects Co
Target Fede
Resources

Accessible Version
October 2019



The poster for the 2021 Tribal Climate Listening Sessions features a dark background with three sessions listed. Each session is accompanied by a small image: a landscape with a sun, a field of flowers, and traditional Native American regalia. The text is white and yellow, providing clear information about the dates and topics of the sessions.

2021 Tribal Climate Listening Sessions

Session 1:
Tribal Youth & Climate
October 13th 3:00-5:00pm EST

Session 2 Part I:
Adaptation & Mitigation
October 28th 12:00-2:00 EST

Session 2 Part II:
Relocation, Managed Retreat, &
Protect-in-Place Issues in the
Lower 48
October 28th 2:00-4:00pm EST

Session 3:
Relocation, Managed Retreat, &
Protect-in-Place Issues in
Alaska
TBD, Week of November 29th

<https://www.bia.gov/bia/ots/tribal-climate-resilience-program>



Resources

Regional Support–DOI Climate Adaptation Science Centers

“Partnership-driven program that teams scientific researchers with natural and cultural resource managers and local communities to help fish, wildlife, waters, and lands across the country adapt to changing conditions.”

<https://www.usgs.gov/ecosystems/climate-adaptation-science-centers>



Projects by Region



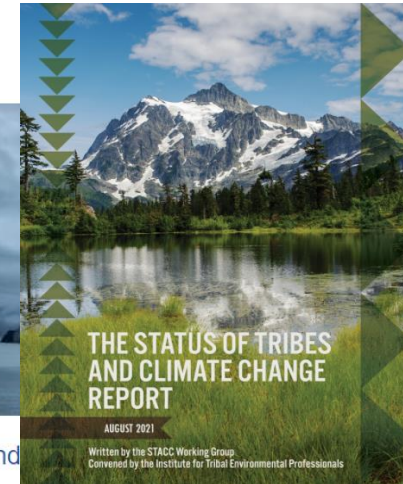
Wildlife and Plants



Drought, Fire and Extreme Weather



Water, Coasts and



Landscapes



Native Communities



Science Tools for Managers



Webinars

Regional Support– Tribal Climate Resilience Liaisons

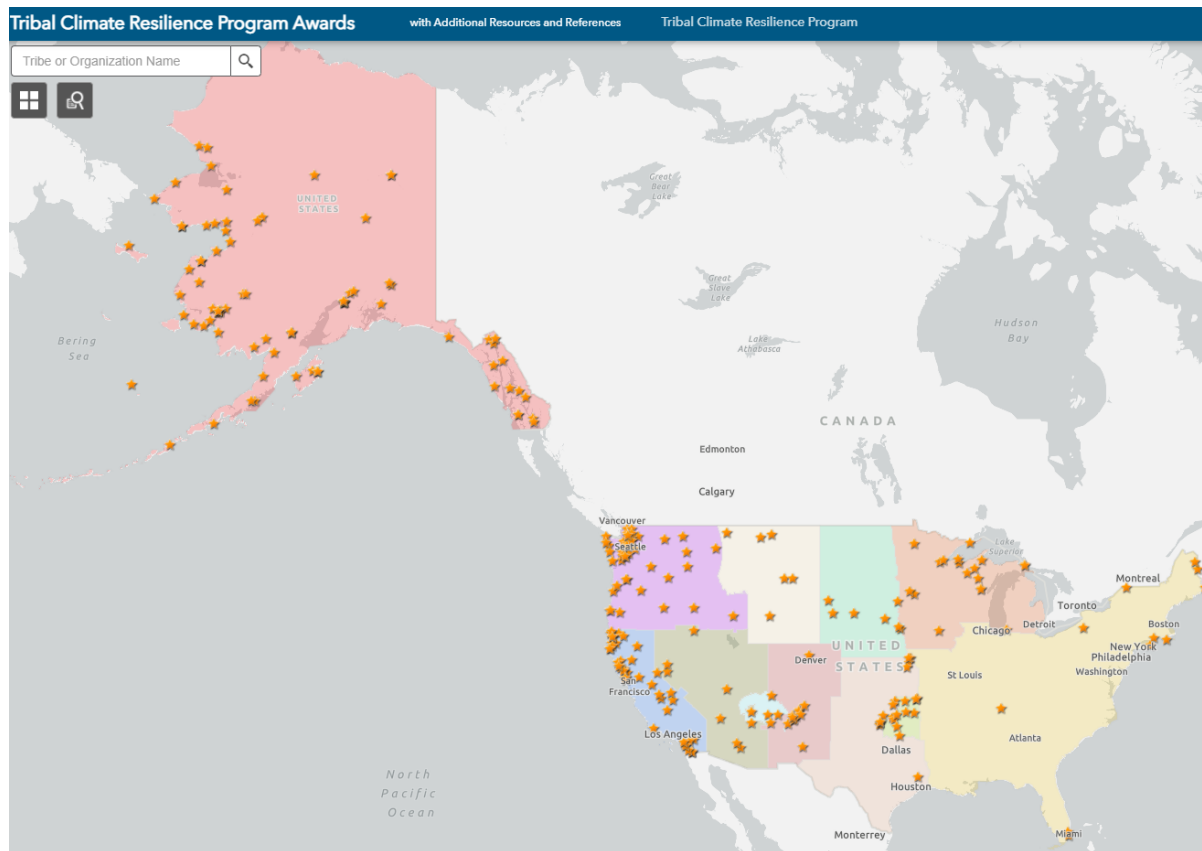
Tribal Climate Resilience Liaisons are located at Regional DOI Climate Adaptation Science Centers (CASCs)



Interactive TCRP Awards Map

- Search the online version of the map by region to find more information and links to each project:

<https://biamaps.doi.gov/portal/apps/webappviewer/index.html?id=19ad66da24704639b09ae64a81154eb4>



Other Helpful Resources

- BIA's Tribal Climate Resilience Program Home Page: <https://www.bia.gov/bia/ots/tribal-resilience-program>
- Tribal Resilience Resource Guide: <https://biamaps.doi.gov/tribalresilience/resourceguide/>
- NAU's Institute for Tribal Environmental Professionals <http://www7.nau.edu/itep/main/tcc/Resources/newsletters>
- UO's Tribal Climate Change Guide: <http://tribalclimateguide.uoregon.edu/>
- Cooperative Ecosystem Studies Units: <http://www.cesu.psu.edu/>

Thank you/Ahe'hee!

For more programmatic questions, please email rachael.novak@bia.gov or alyssa.samoy@bia.gov

