Getting Started
Building Tribal Resilience
Using the Tribal Climate Resilience Resource Guide (TCR RG)

http://toolkit.climate.gov/tribal

Prepared for the Whitehouse Council on Native American Affairs (WHCNAAC) Climate Subgroup

Prepared by the Bureau of Indian Affairs Tribal Climate Resilience Program (BIA TCRP) April 2016
TCR RG Tips and Tricks Revealed!

- Which **Agency Tribes & Climate** Resources can help our Tribe or Alaska Native community contend with climate impacts and help plan and implement adaptation strategies?

- Which **Regional Tribes & Climate** Resources can help us learn about specific climate impacts, **data**, solutions, and area intertribal and academic partners that can help us?

- How can **Tribal, Tribal College, and Intertribal Fact Sheets** lead me to site-specific agency contacts, resources, **examples** and plans to draw from to address our climate concerns?

- Why are **Training, Planning** and **Funding** links organized into six strategies by **U.S. Climate Resilience Toolkit Tribal Nations Topic**, subtopics: **Assessment and Planning, Adaptation, Mitigation, Disaster Risk Reduction, Relocation, and Capacity Building**?

- Why focus on both **Youth** and **Guidance for Appropriate Incorporation** of Traditional Knowledges (TKs / Traditional Ecological Knowledge – TEK) in climate change initiatives?
TRIBAL NATIONS IN AGENCY-WIDE FEDERAL SYSTEMS LINKED TOGETHER THROUGH THE TCR RG

http://www.data.gov/climate/tribal-nations

http://toolkit.climate.gov/topics/tribal-nations
From the **Tribal Climate Resilience Resource Guide Landing Page**, select one of the eight topics (circles) to explore resources. Choose **Agencies**, **Regions**, or **Tribes** to visit specific listings or choose a topical webpage: **Youth**, **Funding**, **Training**, **Planning**, or **Traditional Knowledges (TKs) / Traditional Ecological Knowledge (TEK)**.
Access the Tribal Climate Resilience Resource Guide here

In addition to the direct link, agencies participating in the WHCNAА Climate Subgroup may also provide a link to the TCR RG from their Tribes and / or Climate webpage.
Choose the **Agencies Icon** on the TCR RG Landing page to get to *Quick Links* that provide a few primary *Tribes & Climate* items, and its **Full Fact Sheet** for more details.

### Tribal Climate Resilience Resources

<table>
<thead>
<tr>
<th>Agency Program Quick Links</th>
<th>Agency Full Fact Sheets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tribal Climate Resilience Program (BIA TCRP)</td>
<td>DOI Climate Science Centers (CSCs)</td>
</tr>
<tr>
<td>Climate Science Centers (CSCs)</td>
<td>DOI Indian Affairs (BIA)</td>
</tr>
<tr>
<td>Landscape Conservation Cooperatives (LCCs)</td>
<td>Landscape Conservation Cooperatives (LCCs)</td>
</tr>
<tr>
<td>NCTC Climate Training (FWS)</td>
<td>U.S. Fish and Wildlife Service (FWS)</td>
</tr>
<tr>
<td>Native American Programs (FWS)</td>
<td>Bureau of Land Management (BLM)</td>
</tr>
<tr>
<td>Climate and Land Use Change (USGS)</td>
<td>Bureau of Ocean Energy Management (BOEM/BSEE)</td>
</tr>
<tr>
<td>Tribal Environmental Programs (EPA)</td>
<td>Environmental Protection Agency (EPA)</td>
</tr>
<tr>
<td>Climate Change Science (Causes, Indicators)</td>
<td>USDA Climate Hubs</td>
</tr>
<tr>
<td>Impacts and Adaptation by Region or Sector</td>
<td>USDA Natural Resources Conservation Service (NRCS)</td>
</tr>
<tr>
<td>Stats and Local Climate and Energy Program</td>
<td>USDA U.S. Forest Service (USFS)</td>
</tr>
<tr>
<td>Clean Power Plan Regulations</td>
<td>USDA Climate Hubs</td>
</tr>
<tr>
<td>Tribal Info &amp; Mapping Tool (T-FERST)</td>
<td>DOE Tribal Energy Program</td>
</tr>
</tbody>
</table>
Agency Fact Sheet: Example - NOAA

Tribal Climate Resilience Resources - AGENCY CLIMATE RESOURCES
National Oceanic and Atmospheric Administration (NOAA) FACT SHEET

Orientation
NOAA works with a variety of Tribal Nations and Organizations on a diverse array of marine and coastal concerns. Regional Centers also provide climate trends and weather forecasts nationwide.

Services
- AASC Climate Service Catalog (Partner)
- Climate At National Weather Service (NWS)
- National Integrated Drought Information System (NIDIS)
- NOAA Climate.gov Dashboard, News, Maps, Support
- NOAA Fisheries Tribal Consultation in Alaska
- NOAA Regional Climate Centers
- NOAA Regional Integrated Science And Assessment Programs (RISAPs)
- Tribal Relations News And Links (Inter-Agency)

Funding
- 2016 NOAA Climate Program Office Funding
- NOAA And Other Grants (Federal-Wide Options)
- NOAA Coastal Funding Opportunities
- NOAA Sea Grant Programs (Zoom Out For Alaska)
- NOAA Species Recovery Grants To Tribes
- TCCG - Possible NOAA Funding Opportunities

Training
- Inter-Tribal Youth Climate Leadership Congress
- NCAR GLOBE Education Programs (Partner)
- Next Generation Climate Curriculum
- NOAA West Tribal Portal Staff Training Links
- NWS Climate Services Seminar Series
- SCIPP SPL Youtube Video Training Archive
- Subscribe NOAA Climate Stewards Webinar Alerts
- Teaching Climate

Tools
- Climate Data Access (NCEI)
- CRT Partner On: NSIDC Atlas Of The Cryosphere
- CRT Tool Partner For: Atlas Of Community-Based Monitoring And Traditional Knowledge In A Changing Arctic
- CRT Tool Partner For: Climate-Smart Conservation: Putting Adaptation Principles Into Practice
- CRT Tool Partner For: G-WOW, Guiding For Tomorrow: Changing Climate, Changing Culture
- CRT Tool Partner For: Ocean Acidification Curriculum Collection
- CRT Tool Partner For: U.S. Drought Portal
- Lead On: Synthesis Of Arctic Research (SOAR)
- Partner On: Community Collaborative Rain, Hail And Snow Network (CoCoRaHS)
- Partner On: Rutgers Global Snow Lab
- U.S. Climate At A Glance (NCEI)
- U.S. Climate Resilience Toolkit (Tribal Nations Topic)

Examples
- CRT Partner On: Alaskan Tribes Join Together To Monitor Harmful Algal Blooms
- CRT Partner On: Assessing The Timing And Extent Of Coastal Change In Western Alaska
- CRT Partner On: Jamestown S’Kilam Tribe Plans For Change On The Olympic Peninsula
- CRT Partner On: Looking To The Future On Alaska’s North Slope
- CRT Partner On: Preparing To Respond To Oil Spills In The Arctic
- CRT Partner On: Suganish, Ocean Acidification Curriculum Collection
- SOAR Lead On: Alaska Fisheries And Communities At Risk From Ocean Acidification

Each Agency Fact Sheet lists Resources and Tools & Cases from CRT Tribal Nations that the Agency developed with Tribes, as well as Funding, Training, Services, and Products that support either TRIBES and/or CLIMATE in a consistent layout in one unified source.
To provide more site-specific information, resources are also organized by BIA region, since each Tribe in the U.S. is associated with a BIA service area. Select the region for your tribe to access federal-wide support for that area of interest.
Region Fact Sheet: Example – BIA Alaska Region

Region Fact Sheet resources are organized similarly to Agency Fact Sheets, but they also link to federal-wide agency regional support and area climate support groups.
TCR Resource Guide Listings – 3. Tribes, TCUs, Groups

Tab 1. Tribes: Includes all federally-recognized Tribes and Alaska Native communities. Quick Filter to one of interest.

Tab 2. TCUs: Provides information on Tribal Colleges and Universities that may support your climate efforts.

Tab 3. Intertribal Groups: Provides a listing of groups that partner with Tribes on coordinated climate efforts.

Choose a Tab, Enter a few letters in the Name in the Quick Filter, & Select a Fact Sheet.
Find Your Tribal Fact Sheet

1) Choose TRIBES icon from the landing page

2) Jump to Tribe by entering 3 to 4 distinct letters from its Name in the Quick Filter

3) Choose Tribal Fact Sheet of Interest

3) Select the Fact Sheet link to open the one for the corresponding Tribe, TCU, or Group shown

Tribal Climate Resilience Fact Sheet
Qawalangin Tribe of Unalaska
ArcOnline: Interactive Story Maps

Alaska Natives, Climate Factors, and Resilience

This Map demonstrates where imperiled communities are located according to USACE baseline erosion studies conducted 2006-2008 confirmed in a 2009 GAO report. Select a community to link to a Alaska Native Fact Sheet.

Names (Federal Register): Newtok Village

Federal Links: Select the Agency Acronym for the full Agency Fact Sheet and the link to its right for a more specific regional contact or homepage.

Tribal: Official Website (or group site)
CSC, Alaska
USDA CLIMATE HUB: Pacific Northwest
EPA: R10

BIA Region: Alaska Regional Fact Sheet
LCC: Western Alaska
USDA NRCS: Locator, USDA USFS: Alaska
FEMA: R10

DOE: AK
FWS: Alaska
NOAA: Region, RISA: ACCAP
HUD: Alaska

Awards
- ACCIMP Community Planning Grant for Newtok

Groups
- Association of Village Council Presidents
- Calista Corporation

Documents
- Alaska Community Coastal Protection Project (ACCPP): Newtok Planning Group
- GAO 2009 Impaired Community Identified by: USACE
- USACE 2009 Priority Action Report

Examples
- CAKEX Case Study: Relocating Newtok due to Coastal Erosion
- News Article: It's Happening Now... The Village is Sinking
- UA Research: A Migratory House for Villages on the Move

Data & Maps
- SNAP Community Climate Charts: Historical & Projected Temperature &
Tribal College: *Example – Ilisagvik College, AK*

TCU pages include its website and related climate links, **AIHEC** listing with contacts, link back to **Youth Resources**, Tribes, and one or more **CESUs** to join for discounts & support.
Intertribal Groups: *Examples – BBNA & GLIFWC*

Intertribal Groups include Sections for Member Tribes - with links back to their Fact Sheets! + Tools, Data & Maps, Awards, Examples, and Climate Documents.
Training Resources by CRT Strategy

Training Resources include links to NAU ITEP TCC Climate Adaptation Training that both BIA and EPA promote. CSCs and LCCs also sponsor NCTC climate courses. Other options are listed by strategy, such as FEMA training for Disaster Risk Reduction.
Planning Resources include links to Tribal Climate Adaptation Plans, Topical Tribal Examples, links to specific agency programs and support, and a focus on six strategies with references to National Climate Assessment recommendations and applicable tools. For specific needs, use the feedback form to request resource assistance, data, maps, or models.
Funding Options by CRT Strategy

Tribal Climate Resilience Resources Funding

Orientation

Tribal Climate Change Federal Funding resources are listed by the six strategies/subtopics described in the U.S. Climate Resilience Toolkit, Tribal Nations Topic. The PNW TCC Tribal Climate Change Resource Guide includes more exhaustive funding options.

Funding for Adaptation Planning and Vulnerability Assessments
- BIA Tribal Climate Resilience Program: Awards for Planning and Training
- PNW TCCG: Funding Search

Funding for Adaptation Strategy Prioritization and Implementation
- EPA Indian General Assistance Program (I-GAP)
- EPA Tribal 319 Grants for Non-Point Source Water Pollution
- EPA Tribal 106 Grants for Water Pollution Control
- EPA Tribal Air Grants

Funding for Mitigation, Renewable Energy Development, and Energy Efficiency
- DOE Tribal Energy Program Funding
- IEED Tribal Energy Energy Development Capacity Grant Program
- EPA Clean Energy Incentive Program (State Interest Due 9/6/16)

Funding for Relocation and Coastal Management
- Federal Resources for Climate Resilience in Alaskan Communities
- HUD Indian Community Development Block Grant Program

Funding for Capacity Building
- Indian Loan Guarantee Program
- Youth Capacity Building Page

Funding for Emergency Planning and Disaster Risk Reduction (DRR)
- FEMA and Tribal Nations: A Pocket Guide

Contact Us / Provide Feedback

Funding Resources by Strategy provides an example of a few federal funding options for each strategy, but more specific programs can be found on each Agency Fact Sheet. Contact us about leveraging groups and networks.
When working with Tribal Nations, federal and academic projects and partners are often enriched by the deeply integrated understanding of the relationships among all living things that indigenous people have honed since time immemorial. This may lead to breakthroughs in adaptation through keen natural observations, unique perceptions, and a focus on harmonious ways. Learn more with TKs/TEK links!
Youth Resources for Next Generation Progress

Youth Topics include Climate Groups to join, Student Funding, Climate Curriculum, Climate Programs, Examples, Research Tools, and College-Ready Support Tools.
Contact / Feedback Form – Help & Suggestions

Select the **Feedback Form** from the right-hand, bottom corner of the Landing Page or the footer on any page in the TCR RG for help, to suggest links, or to report issues.

For *direct* assistance:
Include your Name, Email and/or Phone!
Getting the Most out of the *Tribal Climate Resilience Resource Guide*

- Tribal Liaisons can visit a [Region](#) or [Tribal Fact Sheet](#) with a Tribe or Intertribal Group to discuss resources and option for considering climate.
- A Tribe can visit each [Agency Fact Sheet](#) to gain better understanding of the full breadth of federal support.
- College faculty and advisors can review the [Youth page](#) with students interested in [STEM fields](#) & climate change.
- Academic and non-profit partners should carefully review the [Traditional Knowledges (TKs)](#) section to ensure respectful, well-integrate climate projects and policies that protect knowledge and knowledge-holders.
THANK YOU FOR YOUR FEEDBACK

For Questions concerning the Tribal Climate Resilience Resource Guide, Support for Federal or Tribal Climate Coordination Initiatives, or Finding Federal-wide Tribes and Climate Resources or Mapping/Modeling support, contact BIA Tribal Climate Resilience Program (TCRP) IT/GIS Systems and Services:

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