



NORTHERN ARIZONA
UNIVERSITY



Institute for Tribal Environmental Professionals

Tribal Climate Change Newsletter

April 2015

Welcome to ITEP's Tribal Climate Change Newsletter. This monthly newsletter provides news items, resources, announcements about funding opportunities, conferences, and training, and other information relevant to tribal climate change issues.

ITEP's Climate Change Program News



Mission Mountains, Confederated Salish and Kootenai Tribes in Montana. Photo credit: S. Wotkyns

I hope to see you at the upcoming **National Adaptation Forum** on May 12-14 in St. Louis, MO: (<http://www.nationaladaptationforum.org/>). See this list of the many forum opportunities related to tribes and climate change: <http://www.indianaffairs.gov/WhoWeAre/BIA/climatechange/index.htm> (click on the "Attend NAF TCC May 12-14" button). If you can't make it in person, there will be a few parts of the NAF that will be livestreamed and presentations will be made available on the NAF website.

The Institute for Tribal Environmental Professionals (ITEP), the National Tribal Air Association (NTAA), and the Nottawaseppi Huron Band of the Potawatomi are making final preparations for the 16th Annual **National Tribal Forum on Air Quality (NTF)** on May 19-21 in Battle Creek, MI (http://www4.nau.edu/itep/conferences/confr_ntf.asp). All tribal environmental professionals, US EPA representatives, and members of national or local organizations with interests in air quality and climate change issues in Indian Country are encouraged to attend. This conference is designed to allow attendees a venue to share with and learn from one another. Winona LaDuke, acclaimed Native American author, orator, and activist, will give the Keynote Address.

We're making final plans for the upcoming **Climate Change Adaptation Planning course** scheduled for June 16-18 in Bishop, CA, and hosted by the Bishop Paiute Tribe. The class is full— any additional registrations will be added to a waiting list. We are offering the course in collaboration with the Great Basin Landscape Conservation Cooperative and with funding support

About Us:

Sue Wotkyns
Climate Change Program
Manager
928-523-1488
Susan.Wotkyns@nau.edu

Cristina González-Maddux
Research Specialist
928-523-8785
Cristina.Gonzalez-Maddux@nau.edu

Newsletter

Did someone forward this newsletter to you? Send an email to susan.wotkyns@nau.edu to subscribe or unsubscribe to the newsletter. Archived issues can be found at: www4.nau.edu/itep/climate_change/tcc_news_letters.asp

Tribes & Climate Change website

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at www4.nau.edu/tribalclimatechange

from the Bureau of Land Management. ITEP's Climate Change training schedule, is available at: http://www4.nau.edu/itep/climatechange/tcc_trainings.asp The Bishop Paiute Tribe, Project WET and the CA Dept. of Water Resources are planning a 1-day Project Wet training, "Understanding Climate Change in California" on the day prior to the ITEP training, on Monday, June 15. Please contact BryAnna Vaughan (bryanna.vaughan@bishoppaiute.org), Water Quality Coordinator, Bishop Paiute Tribe for more information about the Project Wet training.

— Sue Wotkyns

In The News

Indigenous Louisiana Tribe Losing Their Land To Climate Change Faster Than Anywhere In World

The Isle de Jean Charles Band of Biloxi-Chitimacha-Choctaw Indians of southern Louisiana is in immediate danger of losing their home and culture due to rising sea levels as a result of climate change and human activities. ©2015 Copyright Mint Press, 4/24/15

<http://www.mintpressnews.com/indigenous-louisiana-tribe-fighting-to-save-their-lands-from-climate-change/204811/>

'Every Day Is Earth Day': 5 Indigenous Insights on the Health of Our Mother

This year more than any other so far, the human habitat hangs in the balance. As we celebrate Earth Day for the 45th time, the organizers are calling it the most important commemoration in history and urging everyone to sign an online petition entreating the world's leaders to stop burning carbon. © 2015 Indian Country Today Media Network, LLC, 4/22/15.

<http://indiancountrytodaymedianetwork.com/2015/04/22/every-day-earth-day-5-indigenous-insights-health-our-mother-160074>

Free heat: Leech Lake's solar-powered furnaces

Article about solar-powered furnaces installed at the Leech Lake Band of Ojibwe's Forestry Building, Solid Waste facility and at 13 homes on the reservation. © Bemidji Pioneer and Forum Communications Company, 4/11/15.

<http://www.bemidjipioneer.com/columns/3720597-free-heat-leech-lakes-solar-powered-furnaces>

'We're Going to Be Out of Water': Navajo Nation Dying of Thirst

For centuries, the Diné people have raised their families and livestock on the high desert lands of the Navajo Nation in New Mexico, Arizona and Utah. They have survived even the most difficult of conditions. But as drought has dragged on, more or less for two decades—and the climate continues to warm—some are saying the tribal government needs to better protect its water resources and undertake more long-term planning. © 2015 Indian Country Today Media Network, LLC, 4/9/15.

http://indiancountrytodaymedianetwork.com/2015/04/09/were-going-be-out-water-navajo-nation-dying-thirst-159948?fb_action_ids=766504743465891&fb_action_types=og.likes

Alaska's Yellow Cedar Considered for Endangered Protection

An iconic Alaska tree may warrant protection as a threatened or endangered species due to climate warming, the U.S. Fish and Wildlife Service announced Thursday. The agency will begin a status review of yellow cedar, a tree revered and used by Native Alaska cultures and valued as of high value to the timber industry. © 2015 The New York Times Company, 4/9/15.

http://www.nytimes.com/aponline/2015/04/09/us/ap-us-threatened-alaska-tree.html?_r=0

Swinomish Tribe Files Lawsuit to Stop Bakken Crude Oil Trains

Swinomish tribal leaders, wary of the potential for tragedy and tired of negotiations that have gone nowhere, are suing Burlington Northern Santa Fe (BNSF) Railway to stop the company from transporting extra-flammable Bakken crude oil across reservation land. © 2015 Indian Country Today Media Network, LLC, 4/9/15.

<http://indiancountrytodaymedianetwork.com/2015/04/09/swinomish-tribe-files-lawsuit-stop-bakken-crude-oil-trains-159938>

Pressing play to learn how climate change can impact indigenous cultures

As scientists and activists look for new ways to explain and spur action on climate change, games are becoming a new avenue, reaching new audiences as well as giving users a first-hand feel of the risks of climate change – and some of the solutions. "Games are super unique in that they require reflexes and intellect, because it's a very active medium," said Sean Vesce, creative director for E-Line Media in Seattle that launched "Kisima Ingitchuna" with Cook Inlet Tribal Council in late 2014. "They can be fun and at the same time you can be learning and not have it feel like a chore." The game was created in collaboration with nearly 40 Alaska Native elders, storytellers and community members and was based on a tale from the Inuit Inupiaq people about the adventures of a boy who goes to save his community from a deadly blizzard. © 2015 Thomson Reuters, 4/8/15. For more information about the game: <http://neveralonegame.com/game/>

<http://www.reuters.com/article/2015/04/08/us-climatechange-videogames-idUSKBN0MZ1TP20150408>

Agua Caliente Scores Victory in Water Rights Issue

On Friday, March 20, a federal judge ruled that the U.S. government impliedly reserved groundwater, as well as surface water, for the Agua Caliente Band of Cahuilla Indians when it created the tribe's southern California reservation. The court cited the 1908 Winters Doctrine, a judicial guarantee that provides water for the needs of Native Americans who reside on federally reserved lands. How much groundwater the United States reserved for the Agua Caliente band will be addressed later in the case, possibly through a trial. Yet the legal issue of whether the tribe has a federally reserved right to groundwater has been resolved in its favor. © 2015 Indian Country Today Media Network, LLC, 4/1/15.

<http://indiancountrytodaymedianetwork.com/2015/04/01/agua-caliente-scores-victory-water-rights-issue-159827>

Fawn Sharp Discusses Steps to Stemming the Tide of Climate Change

Quinault Nation President Fawn Sharp appeared before the House Interior Appropriations Subcommittee in Washington, D.C. on March 24 to request federal funding to support the relocation of homes, public buildings and schools out of a tsunami zone in the coastal village of Taholah. Sharp's testimony came a week after the Affiliated Tribes of Northwest Indians, of which she is president, hosted a summit, "Asserting Native Resilience – Protecting and Enhancing Tribal Resources and Sovereignty in the face of Climate Change." © 2015 Indian Country Today Media Network, LLC, 4/1/15.

<http://indiancountrytodaymedianetwork.com/2015/04/01/fawn-sharp-discusses-steps-stemming-tide-climate-change-159826>

Changes in Climate, Watershed Forcing Sauk-Suiattle Tribe to Move Farther Upland

More than a century of change on the Sauk River—glacial retreat, logging in the watershed, and alterations downstream—is forcing the Sauk-Suiattle Tribe to move homes, administrative offices, and a longhouse farther upland and away from the river. © 2015 Indian Country Today Media Network, LLC, 3/31/15.

<http://indiancountrytodaymedianetwork.com/2015/03/31/changes-climate-watershed-forcing-sauk-suiattle-tribe-move-farther-upland-159829>

Climate Change: Mankind Must Stop Destroying 'Our Own Mystical Place'

Plants were blooming in the middle of winter near the Cascade Mountain Range; the Iditarod had to be moved almost 300 miles from Willows to Fairbanks due to lack of snow for the mushers; and California could run out of water in a year. These are drastic indications that things are amiss, said American Indian leaders meeting in Portland, Oregon earlier this month. To them it was obvious that climate change is already here and that collaboration is necessary in order for tribes to survive and thrive. They gathered, spoke and strategized at the Affiliated Tribes of Northwest Indians Tribal Leaders Summit on Climate Change on March 10 and 11 in Portland, Oregon. © 2015 Indian Country Today Media Network, LLC, 3/30/15.

<http://indiancountrytodaymedianetwork.com/2015/03/30/climate-change-mankind-must-stop-destroying-our-own-mystical-place-159792>

Resources

Audio: Native Americans and Climate Change

Karen Diver, Chair of the Fond du Lac Band of Lake Superior Chippewa Indians, discusses the biggest challenges facing Native American communities as well as her appointment to serve on President Obama's Task Force on Climate Preparedness and Resilience. ©2015 Access Minnesota, 4/1/15.

<http://www.accessminnesotaonline.com/2015/04/01/native-americans-and-climate-change/>

Climate Change Adaptation in Indian Country: Tribal Regulation of Reservation Lands and Natural Resources

This article provides an introduction to climate change and its impacts, systems of reservation land ownership, and how land ownership impacts tribal nations' ability to address serious community crises arising from climate change. It also highlights some recent climate change adaptation efforts by and for tribal nations and describes options for moving forward in a way that protects reservation lands and natural resources for the next seven generations. William Mitchell Law Review, Vol. 41:2 2015.

<http://web.wmitchell.edu/law-review/wp-content/uploads/2015/03/3.-Ford-Website.pdf>

SCIPP Tribal Climate Training Materials (SCIPP)

The Southern Climate Impacts Planning Program, in conjunction with the South Central Climate Science Center, hosted climate training workshops for tribal environmental professionals in Oklahoma and Texas in 2014. The purpose of the workshop was to educate on the basics of climate science and to assist tribes in addressing their climate science needs. Participants also learned about weather and climate hazards, climate data and tools, and vulnerability assessments. The presentations and other workshop material are available online. 3/30/15.

<http://www.southernclimate.org/pages/news/tribal-climate-training-materials-now-available>

Tribal Climate Resilience Program (BIA)

Mainstreaming climate change considerations into all Bureau of Indian Affairs activities, and supporting tribal goals to do the same, is a high priority for the administration and the Department of the Interior. Climate change will bring new challenges to

Indian Country and Alaska Native Villages. The President's Climate Action Plan identified the BIA as the lead agency to support tribes as they address this challenge. Visit this BIA website for links to jobs, upcoming funding and training deadlines, and key tribal change resources.

<http://www.indianaffairs.gov/WhoWeAre/BIA/climatechange/index.htm>

Video: From climate risk to climate solutions

Climate change poses risks for people, ecosystems, and economies. Many possible climate solutions can reduce and manage these risks, while building a more sustainable world. A new animated video introduces these core themes from the Working Group II contribution to the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report. The video was produced by the Working Group II Technical Support Unit, which is hosted and funded by USGCRP. 3.5 min.

<https://vimeo.com/123246187>

Video: Fishing in the Age of Climate Change

"We don't know what happened to the whitefish," says Cindi John, a Native American. "Their numbers aren't there like they used to be." Cindi and her husband, Ed, run a small fishing business near Lake Michigan. The Native American tribes in the region hold the right to fish and hunt in the area—thanks to an 1836 treaty between the U.S. government and the Ottawa and Chippewa nations—but face threats from pollution, invasive species, and climate change. 7.5 min.

<http://www.theatlantic.com/video/index/389144/80-to-90-ft/>

Yale Climate Opinion Maps (Yale Project on Climate Change Communication)

Public opinion about global warming is an important influence on decision making about policies to reduce global warming or prepare for the impacts, but American opinions vary widely depending on where people live. Public opinion polling is generally done at the national level, because local level polling is very costly and time intensive. Our team of scientists, however, has developed a geographic and statistical model to downscale national public opinion results to the county, congressional district, and state levels. Explore the maps by clicking on your state, congressional district, or county and compare the results across questions and with other geographic areas.

<http://environment.yale.edu/poe/v2014/>

2014 Highlights of Progress: Responses to Climate Change by the National Water Program (USEPA)

This report provides a summary of the major climate change-related accomplishments of EPA's national and regional water programs in 2014. March 2015.

<http://water.epa.gov/scitech/climatechange/upload/FINAL-2014-NWP-Climate-Highlights-Report.pdf>

Other Items of Interest

Mitigwaki idash Nibi: (Our Forests and Water) – A Climate Adaptation Plan for the Red Lake Band of Chippewa Indians

In 2014, the Model Forest Policy Program (MFPP), Climate Solutions University (CSU), and the Red Lake Department of Natural Resources (RLDNR) came together to create a climate adaptation plan for the forest and water systems of the Red Lake Indian Reservation in Minnesota. Development of the plan came about because all parties, led by MFPP, recognized the critical need for local community resilience against the impacts of climate change by protecting forest and water resources. December 2014.

<http://www.mfpp.org/wp-content/uploads/2011/04/Red-Lake-Forest-Water-Climate-Adaptation-Plan-Final-2014.pdf>

North Carolina Tribes Share Concerns about Climate Change

Blog post about North Carolina tribes and their concerns regarding climate change, from the recent NC Indian Unity Conference in Raleigh, North Carolina. 3/24/15.

<http://globalchange.ncsu.edu/serch/north-carolina-tribes-share-their-concerns-about-climate-change/>

The President's National Public Health Week Address: On the Impacts of Climate Change on Public Health and Companion Fact Sheet (White House)

To recognize National Public Health Week, President Obama addressed the Impacts of Climate Change on Public Health. Please see the companion guide to which the President's talking points referred (Fact Sheet), which describes actions the administration is taking to better understand, communicate, and reduce the health impacts of climate change on our communities and read the report (Impacts of Climate Change on Human Health in the Untied States) . 4/7/15.

Video: <https://www.whitehouse.gov/photos-and-video/video/2015/04/07/president-speaks-impacts-climate-change-public-health>

Fact Sheet: <https://www.whitehouse.gov/the-press-office/2015/04/07/fact-sheet-administration-announces-actions-protect-communities-impacts->

The Impacts of Climate Change on Human Health in the United States – Public comment period for draft report

The draft report, *The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment* (available to download below), was developed by USGCRP's Interagency Group on Climate Change and Human Health as part of the sustained National Climate Assessment and as called for under the President's Climate Action Plan. This assessment report is intended to present a comprehensive, evidence-based, and, where possible, quantitative estimation of observed and projected public health impacts related to climate change in the United States. Once finalized (expected early 2016), the report will provide needed context for understanding Americans' changing health risks. Public comments on the draft assessment report are now being solicited. **The public comment period is open until 12 pm ET on June 8, 2015.**

<http://www.globalchange.gov/health-assessment>

Recognizing Tribal Climate Action (White House)

The White House launched the Climate Action Champions program in late 2014, in partnership with the U.S. Department of Energy. After a competitive application process, the Department of Energy designated 16 communities as Climate Action Champions, including two tribes: the Sault Ste. Marie Tribe of Chippewa Indians (Michigan) and the Blue Lake Rancheria Tribe (California). These tribes were selected for their local leadership in climate mitigation and adaptation. Blog post, 4/22/15

<https://www.whitehouse.gov/blog/2015/04/22/recognizing-tribal-climate-action>

Funding Opportunities

NOTE: More Funding Opportunities can be found at the **Tribes & Climate Change website**:

http://www4.nau.edu/tribalclimatechange/resources/res_funding.asp. Also, see the **Tribal Climate Change Funding and Program Guide** developed by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon:

<http://envs.uoregon.edu/tribal-climate/>

Strategic Technical Assistance Response Team (START) Renewable Energy Project Development Assistance Program (DOE)

The DOE Office of Indian Energy plans to select up to five projects from the applicant pool to receive START technical assistance. START assistance is intended to help renewable energy projects that are in later stages of development reach a late-stage development decision point or milestone. Eligibility: Indian Tribes, Alaska Native regional corporations, and formally organized tribal energy resource development organizations. Deadline: 5/1/15.

<http://www.energy.gov/indianenergy/start-renewable-energy-project-development-assistance>

FY15 and FY16 Region 6 Wetland Program Development Grants (USEPA)

The U.S. Environmental Protection Agency is soliciting proposals from eligible applicants to build or refine state/tribal/local government wetland. Eligibility includes tribes and intertribal consortia. Funding opportunity #EPA-REG6-WPDG-2015-2016. Deadline: 5/18/15.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=275746>

Grant Program to Assess, Evaluate and Promote Development of Tribal Energy and Mineral Resources (BIA)

BIA is making available funding for projects that assess, evaluate, or promote the processing, use, or development of energy and mineral resources on tribal lands. Eligible projects include renewable energy or minerals development, conventional energy development, assessment studies, feasibility studies, or economic analysis. Successful applications should promote community-scale energy development, energy independence, security, and reliability, diversification, and environmental benefits. Eligibility: Tribal governments. Deadline: 6/23/15.

<http://www.bia.gov/cs/groups/xbia/documents/document/idc1-029754.pdf>

Grant Program to Build Tribal Energy Development Capacity (BIA)

BIA announced funding to build tribal capacity for energy resource development. The funding is intended to support a range of renewable energy projects, in terms of scale, technology, geographic location, and tribal representation. The funding is also intended to build capacity through the establishment of organizational structures capable of engaging in commercial energy development or management activities, and providing funding for the development of tribal energy policies. Eligibility: Tribal governments. Funding opportunity #BIA-TEDC-15-FA-0002. Deadline: 6/29/15.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=275611>

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website:

www4.nau.edu/tribalclimatechange/events.asp

May 2015

Symposium: ASABE 1st Climate Change Symposium - Adaptation and Mitigation

May 3-5, Chicago, IL. Sponsored by American Society of Agricultural and Biological Engineers. The purpose of this conference is to bring researchers, practitioners and policy makers to a world-wide platform to share research and discuss creative solutions related to global climate change impacts. The conference will emphasize the importance of global climate change impacts on agriculture while covering a range of topics related to climate change impacts on land and water resources.

<http://www.asabe.org/meetings-events/2015/05/asabe-1st-climate-change-symposium-adaptation-and-mitigation.aspx>

Meeting: 2015 Tribal Energy Program Review

May 4-7, Denver, CO. DOE Tribal Energy Program. Will include an overview of the Tribal Energy Program and a series of presentations by tribes exploring or deploying weatherization, energy efficiency, and renewable energy technologies across the nation. Because human capacity is a focus of the Tribal Energy Program, attendees will also learn about our internship program and hear directly from young and inspiring Native American students about their experiences and summer projects.

http://apps1.eere.energy.gov/tribalenergy/program_review_meetings.cfm

Webinar: Climate-Driven Changes in Interactions Among Hunters, Wildlife, and Habitat

May 5, 10 am AK time. Alaska Center for Climate Assessment and Policy webinar. Presenter: Todd Brinkman, Assistant Professor of Wildlife Ecology, University of Alaska Fairbanks. I will present research that explores how climate-driven changes in the environment have influenced hunter-wildlife interactions across Alaska. Based on findings, I have concluded that recent environmental changes have challenged common hunting practices primarily by disrupting access to harvest areas. I suggest that a combination of innovative research, local adaptation, and flexible policies are required to address current and future challenges relating to hunter access to wildlife resources.

https://accap.uaf.edu/?q=hunters_wildlife_habitat

Webinar: Water Utility Planning Strategies to Mitigate Impacts of Climate Change in Central Ohio

May 5, 1:00 PM EDT. Part of the "Climate Information for Managing Risks in Water Resources Webinar Series" co-hosted by NOAA, USEPA, and other partners. Presenter(s): Lisa Jeffrey, Lynn Williams.

<http://cpo.noaa.gov/ClimatePrograms/ClimateandSocietalInteractions/SARPPProgram/WebinarsandWorkshops.aspx>

Webinar: Integrating Social Vulnerability into Planning and Decision-Making

May 6, 12-1 pm Mountain. Social Vulnerability Webinar Series hosted by the US Forest Service Rocky Mountain Research Station and the University of Montana. Presenters: Laurie Yung, Dan Williams, Carina Wyborn, and Daniel Murphy.

<http://www.fs.fed.us/rmrs/webinar-series/social-vulnerability/>

Conference: 2nd National Adaptation Forum

May 12-14, St. Louis, MO The Forum is a biennial gathering created by a group of professionals from the private and public sectors concerned about the need to respond to and prepare for the effects of climate change. The event represents a collective effort to enhance the resilience of the Nation's communities, resources and economy in the face of a changing climate.

<http://nationaladaptationforum.org/>

Webinar: Free Preparedness Tools and Resources Webinar

May 13, 2-3 pm Eastern. Hosted by US EPA's Water Security Division of the Office of Ground Water and Drinking Water. This webinar will feature updates on the Climate Resilience Evaluation and Awareness Tool (CREAT), the new Mobile Website, and Incident Action Checklists for various emergencies including drought, flooding, hurricane, tornado, etc. This webinar will benefit water utility operators and managers, state and tribal primacy agencies, drinking water and wastewater utility stakeholders, and water utility partners and associations.

<https://www.eventbrite.com/e/us-epa-free-preparedness-tools-and-resources-webinar-tickets-15621967726>

Conference: 2015 Ceres Conference

May 13-14, San Francisco, CA. Each year the Ceres Conference brings together more than 600 corporate sustainability leaders, the country's largest institutional investors, and leading social and environmental advocates to mobilize action on the world's most significant sustainability challenges.

<http://www.ceres.org/conferences>

Webinar: Live from the National Adaptation Forum

May 14, time TBD. Join fellow adaptation vanguards LIVE from the 2nd National Adaptation Forum and hear about innovative solutions and adaptation best practices. This webinar will provide you with a recap on the thoughts, themes and solutions participants discussed during the National Adaptation Forum on moving beyond adaptation awareness and planning for adaptation action.

<http://www.nationaladaptationforum.org/other-adaptation-events/webinars/live-national-adaptation-forum>

Conference: National Tribal Forum on Air Quality

May 19-21, Battle Creek, MI. The Institute for Tribal Environmental Professionals (ITEP), the National Tribal Air Association (NTAA), and the Nottawaseppi Huron Band of the Potawatomi invite you to attend the 16th Annual National Tribal Forum on Air Quality (NTF). All tribal environmental professionals, US EPA representatives, and members of national or local organizations with interests in air quality and climate change issues in Indian Country are encouraged to attend. This conference is designed to allow attendees a venue to share with and learn from one another. Winona LaDuke, acclaimed Native American author, orator, and activist, will give the Keynote Address.

http://www4.nau.edu/itep/conferences/confr_ntf.asp

Training: Adaptation Planning Workshop for Southern California Habitats

May 20-21, San Bernardino, CA. The goal of this workshop is to develop climate-smart adaptation strategies and actions to conserve priority Southern California habitats, with a specific focus on four National Forests (Angeles, San Bernardino, Cleveland, and Los Padres). The workshop will include a review of habitat vulnerability assessment results, an overview of adaptation planning, and multiple activities designed to identify adaptation strategies and actions for habitats as well as opportunities for implementation.

https://files.ctcdn.com/d332aa07201/24229c28-5760-406e-9728-ebc8ce1013a5.pdf?utm_source=February+23+Newsletter&utm_campaign=Constant+Contact&utm_medium=email

Conference: 2015 Native American Fish and Wildlife Society National Conference

May 20-22, Juneau, AK

<http://www.nafws.org/events/national-conference>

Conference: 2015 NC CSC Open Science Conference

May 20-22, Fort Collins, CO. This conference will bring together the regional climate research community and local stakeholders to foster productive engagement with the North Central Climate Science Center. Together, we will identify the most important climate-related topics for resource managers and adjust the NC CSC's agenda to encourage demand-driven and actionable research.

<http://www.revampclimate.colostate.edu/conference/>

June 2015**Training: Extreme Events and Climate Adaptation Planning Workshop**

June 3-4, Santa Fe, NM. The U.S. Environmental Protection Agency's (EPA) Climate Ready Water Utilities (CRWU) initiative is offering a workshop for drinking water, wastewater and stormwater utilities that focuses on understanding and adapting to challenges from extreme events, featuring training on the Climate Resilience Evaluation and Awareness Tool (CREAT).

<https://www.thetestportal.com/climateadaptation>

2015 HHS Climate Justice Conference

June 8 - 9, Research Triangle Park, North Carolina. U.S. Department of Health and Human Services (HHS) is hosting a one and a half day conference to discuss the challenges, current HHS climate change related activities, and possible resources and tools.

http://tools.niehs.nih.gov/conference/hhs_climate_justice/

Conference: Thirty-Ninth Annual National Indian Timber Symposium

June 8-11, North Bend, OR. Hosted by the Coquille Indian Tribe.

http://www.itcnet.org/get_involved/annual_symposium.html

Conference: UA Water Resources Research Center Annual Conference

June 9-10, Chandler, AZ. Theme: Indigenous perspectives on Sustainable Water Practices. The University of Arizona's Water Resources Research Center (WRRRC), in partnership with the Gila River Indian Community, is hosting the conference to increase awareness of water sustainability efforts on tribal lands and to provide perspectives in the discussion of water management options to meet growing supply gaps in Arizona.

<https://wrrc.arizona.edu/conf-2015>

Workshop: Oklahoma Community-Scale Tribal Renewable Energy Workshop

June 9-11, Norman, OK. The U.S. Dept. of Energy (DOE) Office of Indian Energy, with support from the National Renewable Energy Laboratory (NREL), is offering a series of interactive workshops that will walk participants through the process for developing community-scale renewable energy projects on tribal lands. The workshops offer a unique opportunity for participants to learn from renewable energy project experts, get hands-on experience using technology resource assessment tools, explore project case studies, and hear about lessons learned from other Tribes. Workshop

participants will learn about the five steps necessary to develop and finance renewable energy projects on tribal lands.
<http://www.energy.gov/indianenergy/events/oklahoma-community-scale-tribal-renewable-energy-workshop>

Conference: 2015 AWRA Summer Specialty Conference: Climate Change Adaptation

June 15-17, New Orleans, LA. This American Water Resources Association specialty conference is about action - how we respond, build resilient systems, and influence decision makers.

http://www.awra.org/meetings/NewOrleans2015/index.html?utm_source=January+26+newsletter&utm_campaign=Constant+Contact&utm_medium=email

Training: Understanding Climate Change in California

June 15, Bishop, CA. Bishop Paiute Tribe, Project WET and the CA Dept. of Water Resources will host this workshop to discuss climate change basics, how DWR is addressing these impacts, and how Project WET activities can integrate climate science into the classroom.

http://files.ctctcdn.com/d332aa07201/d35e493b-dd1b-492b-8841-d7bed2fae597.pdf?utm_source=Copy+of+March+16+Newsletter&utm_campaign=Constant+Contact&utm_medium=email

ITEP Training: Climate Change Adaptation Planning

June 16-18, Bishop, CA. The course provides an introduction to planning for climate change impacts, highlighting the work of several tribes. The course is intended for tribal environmental and natural resource professionals who expect to be involved in climate change adaptation planning. Since the course will focus on climate change impacts in the Great Basin, we especially encourage people from that region to attend. The class is full—registrations we receive will be added to a waiting list.

http://www4.nau.edu/itep/climatechange/tcc_trainings.asp

Workshop: Indicators of Climate Change in California

June 16-17, Sacramento, CA. The California Environmental Protection Agency's (CalEPA) Office of Environmental Health Hazard Assessment (OEHHa) is convening a workshop to collect input into the next update of the report, Indicators of Climate Change in California, scheduled for 2017. This workshop is part of OEHHa's ongoing effort to examine potential indicators that should be tracked to present a comprehensive picture of climate change and its impacts on California.

http://oehha.ca.gov/multimedia/epic/EPIC2015.html?utm_source=Copy+of+March+16+Newsletter&utm_campaign=Constant+Contact&utm_medium=email

Training: Extreme Events and Climate Adaptation Planning Workshop

June 23-24, Portland, OR. The U.S. Environmental Protection Agency's (EPA) Climate Ready Water Utilities (CRWU) initiative is offering a workshop for drinking water, wastewater and stormwater utilities that focuses on understanding and adapting to challenges from extreme events, featuring training on the Climate Resilience Evaluation and Awareness Tool (CREAT).

<https://www.thetestportal.com/climateadaptation>

Workshop: Rising Voices 3

June 29-July 1, Boulder, CO. Rising Voices 3 workshop will have the theme of Learning and Doing: Education and Adaptation through Diverse Ways of Knowing and be held at the National Center for Atmospheric Research (NCAR). The workshop will occur in collaboration with the Engineering for Climate Extremes Partnership, which aims to improve methods of incorporating resilience and cultural values explicitly in future planning programs. Registration deadline: 6/19/15.

<https://www.mmm.ucar.edu/rising-voices-home>

Training: Climate Change Vulnerability Assessment

June 29-July 2, Durant, OK. Offered by the USFWS National Conservation Training Center and sponsored in collaboration with the Bureau of Indian Affairs and the Choctaw Nation of Oklahoma. This course is designed to guide conservation and resource management practitioners in two essential elements in the design of climate adaptation plans: (1) identifying which species or habitats are likely to be most strongly affected by projected changes; and (2) understanding why these resources are likely to be vulnerable. For more information and registration, contact April.Taylor@chickasaw.net.

July 2015

Training: Extreme Events and Climate Adaptation Planning Workshop

July 14-15, Des Moines, IA. The U.S. Environmental Protection Agency's (EPA) Climate Ready Water Utilities (CRWU) initiative is offering a workshop for drinking water, wastewater and stormwater utilities that focuses on understanding and adapting to challenges from extreme events, featuring training on the Climate Resilience Evaluation and Awareness Tool (CREAT).

<https://www.thetestportal.com/climateadaptation>

Workshop: New Mexico Community-Scale Tribal Renewable Energy Workshop

July 27-29, Albuquerque, NM. The U.S. Dept. of Energy (DOE) Office of Indian Energy, with support from the National Renewable Energy Laboratory (NREL), is offering a series of interactive workshops that will walk participants through the process for developing community-scale renewable energy projects on tribal lands. The workshops offer a unique opportunity for participants to learn from renewable energy project experts, get hands-on experience using technology resource assessment tools, explore project case studies, and hear about lessons learned from other Tribes. Workshop participants will learn about the five steps necessary to develop and finance renewable energy projects on tribal lands.

<http://www.energy.gov/indianenergy/events/new-mexico-community-scale-tribal-renewable-energy-workshop>

Training: Climate-Smart Conservation

July 28-30, Rapid City, SD. Offered by the USFWS National Conservation Training Center. This course is based on the new guide 'Climate-Smart Conservation: Putting Adaptation Principles into Practice.' This publication is the product of an expert workgroup on climate change adaptation convened by the National Wildlife Federation in collaboration with the FWS's National Conservation Training Center and other partners. The course is designed to demystify climate adaptation for application to on-the-ground conservation. It will provide guidance in how to carry out adaptation with intentionality, how to manage for change and not just persistence, how to craft climate-informed conservation goals, and how to integrate adaptation into on-going work. Conservation practitioners and natural resource managers will learn to become savvy consumers of climate information, tools, and models.

<http://training.fws.gov/NCTCWeb/catalog/CourseDetail.aspx?CourseCodeLong=FWS-ALC3195>

August 2015**Training: 2015 Climate Boot Camp**

August 16-21, Eatonville, WA. Offered by the Northwest Climate Science Center (NW CSC). One objective of the NW CSC is to support and train graduate students and early career professionals to work at the interface of scientific research on climate and resource management decision-making. Our annual Climate Boot Camp (CBC), now in its fifth year, is our primary educational offering to meet this objective. Registration deadline: 5/13/15.

<https://www.nwclimatescience.org/bootcamp>

Conference: Tribal Lands and Environment Forum

August 17-20, Minneapolis, MN. Hosted by the Institute for Tribal Environmental Professionals, National TWRAP Steering Committee, and USEPA's Office of Solid Waste and Emergency Response (OSWER). The forum will feature special trainings, field trips, and breakout sessions focused on solid/hazardous waste management, brownfields, UST/LUSTs, Superfund sites, and emergency response. However, this year we will also be including breakout session tracks related to tribal water programs – water quality, drinking water, and habitat restoration (including wetlands, streams and fisheries).

http://www4.nau.edu/itep/conferences/confr_tlf.asp