



NORTHERN ARIZONA
UNIVERSITY



Institute for Tribal Environmental Professionals



Tribal Climate Change Newsletter

December 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



Photo credit: Dennis Wall

We are continuing to firm up our **climate change training schedule** for the coming year. Registration is open for the Climate Change Adaptation Planning training scheduled for April 19-21 in Anchorage, AK. ITEP is collaborating with the Alaska Native Tribal Health Consortium (ANTHC) to plan and deliver the training, and registration forms are available at http://www7.nau.edu/itep/main/Training/training_cc. ITEP is also planning Climate Change Adaptation Planning trainings in Fort Hall, ID (April TBD), Pala, CA (June 7-9), and several other locations.

The **National Tribal Forum on Air Quality (NTF)**, co-sponsored by the Institute for Tribal Environmental Professionals (ITEP) and the National Tribal Air Association (NTAA), is scheduled for May 17-19, at the Seneca Niagara Resort in Niagara Falls, NY. NTF will include sessions on air quality and climate change. If you are interested in giving a climate change presentation and would like to discuss your idea before submitting a proposal, please contact Nikki Cooley (nikki.cooley@nau.edu) or me (susan.wotkyns@nau.edu). Presentation proposals are being accepted through February 26. More information about NTF is available here: http://www7.nau.edu/itep/main/Conferences/confn_ntf.

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Newsletter

To subscribe or unsubscribe to this newsletter, please go to www7.nau.edu/itep/main/listsrv/ where you can manage your Tribes & Climate Change Listserv and other ITEP Listserv subscriptions.

Tribes & Climate Change website

For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at www7.nau.edu/itep/main/tcc/

ITEP's Environmental Education Outreach Program is seeking air quality focused offices and programs to host a college student for an 8-week **summer internship**. Tribal environmental offices, EPA offices, and other tribal environmental organizations are encouraged to apply. As an intern host site you gain a dedicated college student who will complete a new or on-going project directly related to air quality or climate change. Host site applications are due January 22, 2016. For more information, visit http://www7.nau.edu/itep/main/eeop/Internships/ssi_host

Wishing you a wonderful holiday and Happy New Year!

— Sue Wotkins, Program Manager

In The News

Global Climate Agreement Passes Over Issues Critical to Indigenous Peoples' Caucus

The global Paris agreement struck by nearly 200 countries on December 12 is heralded as the first climate agreement to commit all countries to cut carbon emissions. But when it comes to key points that the International Indigenous Peoples Forum on Climate Change (IIPFCC) came to Paris to negotiate, it falls far short of their goals. © Indian Country Today Media Network, LLC, 12/14/15.

<http://indiancountrytodaymedianetwork.com/2015/12/14/global-climate-agreement-passes-over-issues-critical-indigenous-peoples-caucus-162766>

Young Lummi Carry Ancestral Teachings to COP21

The message was an old one, more than seven generations old and seven generations times seven before that, and it was being reaffirmed by Carson Bob, 8, dancing to his family's song and drums in the gathering at the Lummi Nation's government center, November 14. The message: We must care for the environment that sustains us, we must take only what we need, and the decisions we make regarding Mother Earth must consider the seven generations that will succeed us. © Indian Country Today Media Network, LLC, 12/09/15.

<http://indiancountrytodaymedianetwork.com/2015/12/09/young-lummi-carry-ancestral-teachings-cop21-162701>

My World Interrupted (Blog Post)

Close your eyes and picture your best memory with your family and friends. If you're like me, that memory is filled with the warmth and comfort of a familiar home. I hope that, unlike me, you are never asked to put a price on that home because of the effects of climate change. © US Department of Interior, 12/08/15.

<https://www.doi.gov/blog/my-world-interrupted>

Gulf South Communities on Climate Change Front Lines Represented at Paris Talks

More than 150 world leaders gathered this week near the French capital to negotiate a legally binding agreement to curb pollution associated with climate change, with the goal of limiting rising global temperatures to no more than 2 degrees Celsius above pre-industrial levels. © 2015 by the Institute for Southern Studies, 12/04/15.

<http://www.southernstudies.org/2015/12/gulf-south-communities-on-climate-change-front-lin.html>

Interior Secretary Jewell Talks Indian Country Climate Resilience at COP21

United States Secretary of the Interior Sally Jewell lead a panel discussion kicking off the 21st Conference of Parties (COP21) on initiatives the U.S. is working on to help prepare communities and the ecosystems they depend on for the impacts of climate change. © Indian Country Today Media Network, LLC, 12/03/15.

<https://indiancountrytodaymedianetwork.com/2015/12/03/interior-secretary-jewell-talks-indian-country-climate-resilience-cop21-162637>

Indigenous Women are on the Front Lines of Climate Change. Where's the Media Coverage?

Coverage of the Paris climate talks largely concentrates on what diplomats will (or won't) agree to in this conference. There's also some focus on the protests. But few stories center on the people whose lives are most affected by climate change. © Grist, 12/03/15.

<http://grist.org/climate-energy/indigenous-women-are-on-the-front-lines-of-climate-change-wheres-the-media-coverage/>

Massive Salvage Logging Under Way at Colville After wildfires

The largest fire in history is undergoing one of the biggest logging operations ever on the Colville Reservation. © The Seattle Times Company, 11/21/15.

<http://www.seattletimes.com/seattle-news/massive-salvage-logging-under-way-at-colville-after-wildfires/>

Resources

Audio: Facing Rising Waters, A Native Tribe Takes Its Plea To Paris Climate Talks (KUOW, NPR)

International leaders gathering in Paris to address global warming face increasing pressure to tackle the issue of "climate refugees." Some island nations are already looking to move their people to higher ground, even purchasing land elsewhere in preparation. 4min 12 sec. 12/03/15.

<http://www.npr.org/2015/12/01/455745765/facing-rising-waters-a-native-tribe-takes-its-plea-to-paris-climate-talks>

Change Visualized: What Climate Change Looks Like

A series of articles that feature images that show the varied ways that global warming has affected the world. © The New York Times Company, 11/30 – 12/10/15.

<http://www.nytimes.com/interactive/projects/cp/climate/2015-paris-climate-talks/type/change-visualized/what-climate-change-looks-like-miami-pumps>

Gun Lake Tribe Produces Documentary On Disappearing Wild Rice (WMUK, NPR)

Wild rice has been an important food to Native American tribes in the United States for thousands of years. But due to climate change, those rice fields have started to disappear in West Michigan. 12/05/15.

<http://wmuk.org/post/gun-lake-tribe-produces-documentary-disappearing-wild-rice>

National Tribal Air Association's Analysis of the EPA's Final Clean Power Plan, NTA Comments and Final Rule Outcomes (NTAA)

The NTAA produced this white paper to identify items contained in the U.S. Environmental Protection Agency (EPA's) Proposed Clean Power Plan for which NTAA provided comments and how EPA addressed such items in the Final Clean Power Plan. 12/04/15.

<http://www7.nau.edu/itep/main/ntaa/docs/policy-response-kits/NTAAWhitePaperCPP.pdf>

Other Items of Interest

The Climate Adaptation Leadership Award for Natural Resources (US Fish & Wildlife and NOAA)

Award was developed to recognize and incentivize exemplary efforts by federal, state, tribal, local, and non-governmental entities to reduce climate-related threats and promote adaptation of the national natural resources and the people that depend on them. This award will recognize the outstanding leadership by organizations and/or individuals to advance the resilience of living natural resources (fish, wildlife and plants) in a changing climate by helping address the goals of the National Fish, Wildlife, and Plants Climate Adaptation Strategy. **Nomination deadline: 01/08/16.**

<http://www.wildlifeadaptationstrategy.gov/award.php>

Federal Plan Requirements for Greenhouse Gas Emissions From Electric Utility Generating Units Constructed on or Before January 8, 2014; Model Trading Rules; Amendments to Framework Regulations - Public Comment Period on Proposed Rule (US EPA)

In this action, the EPA is proposing a federal plan to implement the greenhouse gas (GHG) emission guidelines (EGs) for existing fossil fuel-fired electric generating units (EGUs) under the Clean Air Act (CAA). The EGs were proposed in June 2014 and finalized on August 3, 2015 as the Carbon Pollution Emission Guidelines for Existing Stationary Sources: Electric Utility Generating Units (also known as the Clean Power Plan or EGs). This proposal presents two approaches to a federal plan for states and other jurisdictions that do not submit an approvable plan to the EPA: a rate-based emission trading program and a mass-based emission trading program. These proposals also constitute proposed model trading rules that states can adopt or tailor for implementation of the final EGs. **Deadline for public comments: 01/21/16.**

<https://www.federalregister.gov/articles/2015/10/23/2015-22848/federal-plan-requirements-for-greenhouse-gas-emissions-from-electric-utility-generating-units>

Funding Opportunities

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

<http://www7.nau.edu/itep/main/tcc/Resources/funding>. Also, see the Tribal Climate Change Guide maintained by the Pacific Northwest Tribal Climate Change Project at the Univ. of Oregon: <http://tribalclimateguide.uoregon.edu/>

2016 Ecological Effects of Sea Level Rise Program - Advancing Predictive Capabilities to Evaluate Natural and Nature-based Features (NOAA)

NOAA announced funding to evaluate and quantify the ability of coastal natural and nature-based features to mitigate the effects of sea level rise, storm surge, flooding, and wave run-up on coastal ecosystems and communities. Proposals should

model the impacts of sea level rise and quantify the vulnerability and resilience of communities to inundation and sea level rise under various deployment levels of nature-based ecosystems, which include forests, wetlands, floodplains, dune systems, seagrasses, barrier islands, and reefs. Eligibility includes federally recognized tribal governments. Funding opportunity # NOAA-NOS-NCCOS-2016-2004616. Deadline: 01/08/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279216>

Water Conservation Field Services Program (BOR)

The Bureau of Reclamation's Upper Colorado Region is requesting applications for the Water Conservation Field Service Program. The mission of the Reclamation is to manage, develop, and protect water and related resources in an environmental and economically sound manner in the interest of the American public. Eligibility includes any Indian tribe located in the Upper Colorado Region. Funding opportunity #BOR-UC-16-F001. Deadline: 01/11/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=280023>

FY2016 NOAA Bay Watershed Education and Training (B-WET) Hawaii Program (US Department of Commerce)

The NOAA Bay Watershed Education and Training (B-WET) Hawaii Program is a federal funding opportunity which meets NOAA's mission of science, service and stewardship. This B-WET program supports the vision of a future where societies and their ecosystems are healthy and resilient in the face of sudden or prolonged change. The purpose for this financial assistance is to support our communities by developing a well-informed citizenry involved in decision-making that positively impacts our coastal, marine and watershed ecosystems in the State of Hawaii. Eligibility includes federally recognized tribal governments. Funding Opportunity # NOAA-NOS-OCM-2016-2004576. Deadline: 01/19/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279642>

WaterSMART: Water and Energy Efficiency Grants for FY 2016 (BOR)

Objective is to invite States, Indian tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with the Bureau of Reclamation on projects that seek to conserve and use water more efficiently, increase the use of renewable energy and improve energy efficiency, benefit endangered and threatened species, facilitate water markets or carry out other activities to address climate-related impacts on water or prevent any water-related crisis or conflict. Eligibility includes Indian tribes located in the western United States or United States Territories as identified in the Reclamation Act of June 17, 1902, as amended. Funding Opportunity #R16-FOA-DO-004. Deadline: 01/20/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=279957>

Lower Colorado Region – All Areas – for Water Conservation Field Services Program (WCFSP) Grants for Fiscal Year (FY) 2016 (BOR)

The objective of this FOA is to invite States, Indian tribes, irrigation districts, water districts, or other organizations with water or power delivery authority located in the Lower Colorado Region that have an association with a Reclamation project or project water to leverage their money and resources by cost sharing with Reclamation on activities/projects that make more efficient use of existing water supplies through water conservation and efficiency in the LCR. Activities/Projects will be selected through a competitive process using the selection criteria identified in Section V. Eligibility includes Indian tribes with water or power delivery authority located in the Lower Colorado Region as required by Sections 9502 and 9504(a) of Public Law 111-11. Funding opportunity # BOR-LC-16-001. Deadline: 01/22/16.

<http://www.grants.gov/web/grants/view-opportunity.html?oppld=280231>

Strengthening the Public's and/or K-12 Students' Environmental Literacy for Community Resilience to Extreme Weather Events and Other Environmental Hazards (NOAA)

The goal of this FFO is to strengthen the public's and/or K-12 students' environmental literacy to enable informed decision-making necessary for community resilience to extreme weather events and other environmental hazards. These threats and vulnerabilities include but are not limited to severe storms, tornadoes, hurricanes, flooding, heavy precipitation events, persistent drought, heat waves, increased global temperatures, acidification of the ocean, and sea level rise. Eligibility includes federally recognized Native American tribal governments. Funding Opportunity # NOAA-SEC-OED-2016-2004737. Deadline: 02/08/16.

<http://www.grants.gov/web/grants/search-grants.html>

Climate Change Adaptation – Tribal Liaison (BIA)

The Secretary of the Interior (Secretary), through the Office of Trust Services, hereby solicits cooperative agreement/co-operative agreement proposals from tribal non-profit, non-governmental organizations, tribally controlled colleges or universities serving management fields impacted by climate change to enter into a cooperative agreement for the identification and hiring of tribal climate science liaisons to address tribal climate change science needs. Eligibility includes tribal non-profit, non-governmental organizations, tribally controlled colleges or universities. Funding opportunity # BIA-CLIMATE-16-000. Deadline: 02/12/16.

<http://www.grants.gov/web/grants/search-grants.html?keywords=BIA-climate-16-0001>

Upcoming Events

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

<http://www7.nau.edu/itep/main/tcc/Home/Events>

January 2016

Webinar: Strategies for Strengthening Alaska Native Village Roles in Natural Resource Management

January 05, 10:00 -11:15 a.m. AKT. Offered by the Alaska Center for Climate Assessment and Policy (ACCAP). Many Alaska Native Villages are grappling with the combined impacts of climate and social change. This Webinar identifies and evaluates a range of tools that could help Alaska Native Villages increase their influence over wildlife and land management decisions, including following international bodies.

https://events-na11.adobeconnect.com/content/connect/c1/1083313451/en/events/event/shared/1395892285/event_landing.html?sco-id=1397773714& charset =utf-8

Webinar: Bering Strait Shipping: Sea Ice, Economics, and Governance

January 12, 10:00 – 11:00 a.m. AKST. Offered by the Alaska Center for Climate Assessment and Policy (ACCAP). Presentation on the role of reduced sea ice, the economics of shipping, and the potential for effective governance of maritime activity in the area.

https://accap.uaf.edu/Bering_Strait_Shipping?utm_source=ACCAP&utm_campaign=5500c175ba-1%2F12%2F16+ACCAP+Webinar&utm_medium=email&utm_term=0_7a2dda40c5-5500c175ba-37333265

Training: Climate Fundamentals Academy: South Florida Regional Workshop #2

January 12-13, Fort Lauderdale, FL. Offered by the Association of Climate Change Officers (ACCO.) These academies will provide curriculum on topics including understanding climate science and variability, identifying climate hazards and conducting vulnerability assessments, basics of greenhouse gas accounting, explanations of the food-water-energy nexus, and fundamental governance and stakeholder engagement strategies.

http://community.accoonline.org/events/event_details.asp?id=691002

Online Training: Online Forest Adaptation Planning and Practices

January 18 – February 22, Offered by the Northern Institute of Applied Climate Science and the University of Minnesota. This six-week course will provide hands-on training in considering climate change information and identifying adaptation actions for natural resources management and conservation. Participants will receive coaching and feedback on their own real-world climate adaptation project. The online Adaptation Workbook tool will be featured.

<http://forestadaptation.org/fapp-online>

Webinar: Tribal Sovereignty & Climate Change for Alaska Natives

January 19, 10:00 – 11:15 a.m. AKT. Offered by the Alaska Center for Climate Assessment & Policy (ACCAP). Presentation on tribally specific tools and resources regarding how tribal governments can effectively manage natural resources, encourage the federal government to recognize its trust responsibility to the Villages and protect the environment consistent with the cultural and traditional needs of such tribes and villages.

https://events-na11.adobeconnect.com/content/connect/c1/1083313451/en/events/event/shared/1395892285/event_landing.html?sco-id=1397306680& charset =utf-8

Webinar: North Central U.S. Climate Summary and Outlook

January 21, 1:00 – 2:00 p.m. Central. Each month, a state climatologist and a NOAA regional climatologist conduct public webinars to brief interested members of the public about ongoing and near-future changing climate conditions in the Great Plains and Midwestern United States. You sign up once for the 2016 monthly Webinars.

<https://www1.gotomeeting.com/register/897036880>

Conference: Climate Adaptation Conference: Transforming Awareness into Action

January 28, Minneapolis, MN. Offered by the University of Minnesota's Water Resources Center.

<http://www.wrc.umn.edu/news-events-0>

February 2016

Conference: Alaska Forum on the Environment

February 8-12, Anchorage, AK. Alaska's largest statewide gathering of environmental professionals from government agencies, non-profit and for-profit businesses, community leaders, Alaskan youth, conservationists, biologists and

community elders.

<http://www.cvent.com/events/alaska-forum-on-the-environment-2016/event-summary-659524cc2b24ad9b2e1d4c37381698c.aspx>

Conference: Sagebrush Ecosystem Conservation: All Lands, All Hands

February 23-26, Salt Lake City, UT. Joint conference of the Great Basin Consortium and a WAFWA-sponsored sagebrush science and management meeting.

<http://sagebrushconference2016.org/index.cfm>

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