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

The Climate Change track of the National Tribal Forum, (June 14-16, Spokane, WA), offered a variety of interesting presentations, ranging from case studies of tribes addressing climate change issues to resources offered by organizations and federal agencies. ITEP thanks the Kalispell Tribe for hosting the Forum and all of the presenters for sharing information with the participants. Presentations from the Forum will be posted on the website soon (www4.nau.edu/itep/air/aq_ntf11.asp).

ITEP will be offering two climate change trainings in Flagstaff, AZ, this fall. 1) The Southwest Tribal Climate Change Workshop (September 13-14) is open to tribal environmental and natural resource professionals in Arizona and New Mexico. It will include discussions of Traditional Ecological Knowledge and Western Science, observed climate change impacts on tribal lands, and climate change issues and opportunities related to water and land-based resources. 2) Climate Change on Tribal Lands (October 11-14) is open to tribal environmental and natural resource professionals from across the US. The training provides an overview of climate change science and impacts and focuses on climate change education and outreach, with small group work culminating in a presentation to a mock tribal council. See Upcoming Events below.

-- Sue Wotkyns

About Us:

- **Sue Wotkyns, Climate Change Program Manager**
  Sue is leading the development of ITEP's Climate Change Program and coordinating ITEP's climate change efforts. Please contact her with any inquiries, suggestions or comments.
  928-523-1488
  Susan.Wotkyns@nau.edu

- **Tribal Climate Change Listserv**
  Did someone forward this to you? Send an email to Sue Wotkyns to subscribe or unsubscribe to the newsletter. We may occasionally send announcements in addition to the monthly newsletters if we have something to share that is time-sensitive. Archived issues can be found at: www4.nau.edu/itep/climatechange

- **Tribes & Climate Change website**
  For more on tribes and climate change issues, visit ITEP's Tribes & Climate Change website at www4.nau.edu/tribalclimate. The website includes profiles of tribes that are impacted by climate change, audio recordings of tribal elders offering their views on climate change, general information about climate change and its impacts, links to numerous online resources, and much more!
In the News

Oklahoma Tribe Unveils Solar Energy Project
The Delaware Nation unveiled a solar energy project last week that tribal officials said would save it thousands of dollars and could lead to new jobs coming to southwestern Oklahoma. The construction of the 37.5-kilowatt solar array on the roof of the Delaware Nation's complex north of Anadarko will supply 30 percent of the complex's electricity. © Native American Times 2011, 6/20/11.

Cape Wind Opponents Win Legal Victory
A proposal to build a massive wind energy plant in the waters of Nantucket Sound that are sacred to the Wampanoag people has had a legal setback. The Massachusetts Supreme Judicial Court denied Cape Wind's motion to dismiss evidence that lower priced green energy contracts are available. ©2011 Indian Country Today Media Network, LLC, 6/20/11.

Osage Nation Objects to Wind Farms
The Osage Nation is against the development of large-scale wind farms in Osage County, Oklahoma, due to projected economic losses to the tribe and likely damage to the Tallgrass Prairie Reserve and its wildlife. © 2011 Indian Country Today Media Network, LLC, 6/16/11.

Wallow Fire: Tribe Credits Winds, Prayer, Prevention for Dodging Fire
The White Mountain Apache Tribe seems to have dodged the Wallow Fire in Arizona less than a decade after they suffered the wrath of Rodeo-Chediski fire. © 2011 azcentral.com, 6/12/11.
www.azcentral.com/news/articles/2011/06/12/20110612wallow-fire-tribe-credits-winds-prayer-dodging-fire.html#ixzz1Q1fAYBAl

Spokane Tribe Builds Solar-Powered Early Learning Center
The Spokane Tribe of Indians dedicated the Pauline Stearns Early Learning Center, the first solar-powered facility on the reservation, which is about 45 minutes east of Spokane, Washington. The solar panels will reduce operating costs, and the building is also equipped with energy efficient doors and windows, insulated roof and wall panels and an energy-saving HVAC system. ©2011 Indian Country Today Media Network, LLC, 6/9/11.

Tribes Are Reacting To Climate Change
Discusses efforts of several tribes in the Pacific Northwest to address impacts of climate change. © 2011 Northwest Indian Fisheries Commission, 6/1/11.
http://nwifc.org/2011/06/tribes-are-reacting-to-climate-change/

Resources

A Guide for Tribal Leaders on U.S. Climate Change Programs (University of Oregon Environmental Studies Program and USDA Forest Service Pacific Northwest Research Station)
This guide summarizes key US government programs addressing climate change, opportunities for tribal
engagement and contacts for each agency. In addition to its immediate value to tribes and their partners, this information will provide important groundwork for research on understanding and improving the tribal consultation processes in the context of climate change. This guide also begins to include tribal, academic and non-governmental agencies and programs to assist tribes in addressing climate change. The guide will be updated frequently; if you would like to edit the information for an organization included in the document or submit information for additional organizations, please contact Kathy Lynn at kathy@uoregon.edu. June 2011. http://tribalclimate.uoregon.edu/files/2010/11/tribal_leaders_CC_guide_6-8-112.pdf

American Climate Attitudes, An Analysis of Public Opinion Trends and Recommendations for Advancing Public Engagement on Global Warming (Resource Innovation Group)
Public opinion on climate change affects everything from consumer choices and behavior to public policy. To know where climate attitudes are headed, it is helpful to know where they have been. This analysis of significant public opinion trends on climate change provides communication and engagement recommendations for climate practitioners based on polling data, research, and the authors’ experience as climate and environmental communicators. May 2011. www.thesocialcapitalproject.org/The-Social-Capital-Project/pubs/aca

Climate Change Resource Library (Canadian Institute of Planners)
Provides variety of tools and resources that have been produced to date from Canadian Institute of Planners climate change initiatives, including community adaptation plans for Canadian Arctic communities. In the selection box's drop-down menu, click on Community Adaptation Plans. www.planningforclimatechange.ca/wwwroot/dsp_Library.cfm

Climate Change 101: Understanding and Responding to Global Climate Change (Pew Center on Global Climate Change)
These brief reports provide a reliable and understandable introduction to climate change. They cover climate science and impacts, climate adaptation, technological solutions, business solutions, international action, federal action, recent action in the U.S. states, and action taken by local governments. Updated in January 2011. www.pewclimate.org/global-warming-basics/climate_change_101

Local Government Climate and Energy Strategy Series (US EPA)
Provides overview of greenhouse gas (GHG) emissions reduction strategies that local governments can use to achieve economic, environmental, social, and human health benefits. Covers energy efficiency, transportation, community planning and design, solid waste and materials management, and renewable energy. www.epa.gov/statelocalclimate/resources/strategy-guides.html

Special Report on Renewable Energy Sources and Climate Change Mitigation (Intergovernmental Panel on Climate Change)
The IPCC released a report in which it assesses the potential for renewable energy to satisfy the world’s growing energy needs. According to the IPCC, renewable energy could satisfy almost 80 percent of the world’s energy needs by 2050 if supported by public policies that promote the development and deployment of renewable energy. Renewable energy sources examined in the report include solar energy, wind energy, geothermal energy, ocean energy, hydropower and bioenergy (which includes energy crops, forest, agricultural and livestock residues and so-called second generation biofuels). May 2011. www.ipcc.ch/news_and_events/docs/ipcc33/SRREN_FD_SPM_final.pdf

Rolling Easements Primer (EPA Climate Ready Estuaries Program)
This technical primer describes the ways in which the private sector and state and local governments can respond to sea level rise. The report examines rolling easements, a collection of approaches allowing beaches and wetlands to migrate inland as sea levels rise, in cases where traditional protective measures such as the construction of dikes, seawalls, and other structures may prove economically or environmentally unsustainable. EPA developed this primer to examine a full range of long-term planning approaches for communities to consider when preparing for rising sea levels and includes more than a dozen long term planning approaches. www.epa.gov/cre/downloads/rollingeasementsprimer.pdf

FedCenter.gov Climate Change Adaptation
FedCenter.gov is the federal government's home for comprehensive environmental stewardship and compliance assistance information. FedCenter added a new topic to its program area lineup - Climate Change Adaptation. This area includes the latest guidance and information resources to help federal agencies facilitate
climate adaptation planning, and contains valuable information for a broad range of users.

www.fedcenter.gov/programs/climate/

Other Items of Interest

Tribal Recommendations for the FY 2012 Dept. of the Interior Climate Change Adaptation Initiative
Indian tribes are exceedingly vulnerable to and disproportionately impacted by climate change. The Administration has requested $175 million to support the Department of the Interior's Climate Change Adaptation Initiative in Fiscal Year 2012. Only $200,000 is planned to be available to support tribal involvement. At least $8.75 million is needed and should be provided to enable tribes to substantively participate in the Initiative, assist tribes to adapt to climate change, and help fulfill federal trust responsibilities and treaty obligations. A group of tribal organizations and tribes made recommendations regarding the DOI Climate Change Adaptation Initiative. Tribal Recommendations and a letter to the House Appropriations Committee are available on the Tribes & Climate Change website. May 2011.

www4.nau.edu/tribalclimatechange/resources/policies.asp

US Fish and Wildlife Service Seeks Comments on the National Fish, Wildlife, and Plants Climate Adaptation Strategy
The US Fish and Wildlife Service, along with the National Oceanic and Atmospheric Administration and other Federal, State, and tribal partners, are seeking public comments to prepare a draft National Fish, Wildlife, and Plants Climate Adaptation Strategy. The Strategy will provide a unified approach reflecting shared principles and science-based practices for reducing the negative impacts of climate change on fish, wildlife, plants, habitats, and our natural resource heritage. It will serve as a valuable tool for Federal and State agencies, wildlife managers, tribes, and private landowners as they continue to manage their lands and natural resources in a changing environment. All comments are due on or before July 1.

www.wildlifeadaptationstrategy.gov/


2011 Tribal Wildlife Grant Awards
The US Fish and Wildlife Service awarded more than $7 million in Tribal Wildlife Grants to 37 Native American Tribes in 16 states to fund a wide range of conservation projects, including some that are related to climate change. Congratulations to the tribes receiving the grants!

Funding Opportunities

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

www4.nau.edu/tribalclimatechange/resources/funding.asp

REAP - Energy Audit and Renewable Energy Development Assistance (USDA)
US Dept. of Agriculture is accepting applications for funds available under the Rural Energy for America Program (REAP) for FY 2011 for financial assistance as follows: grants, guaranteed loans, and combined grants and guaranteed loans for the development and construction of renewable energy systems and for energy efficiency improvement projects; grants for conducting energy audits; grants for conducting renewable energy development assistance; and grants for conducting renewable energy system feasibility studies. Native American tribal governments (Federally recognized) and Native American tribal organizations are eligible. Deadline: Renewable energy system feasibility study applications; Energy audits and renewable energy development assistance applications: 6/30/11.

www07.grants.gov/search/search.do?&mode=VIEW&opplId=92633

FY11 Region 04 Wetland Program Development Grants (USEPA)
The goals of EPA's wetland program include increasing the quantity and quality of wetlands in the US by conserving and restoring wetland acreage and improving wetland condition. WPDGs provide an opportunity to carry out projects to develop and refine comprehensive wetland programs. Projects must be performed within one or more of the states of EPA Region 4, specifically Alabama, Florida, Georgia, Kentucky, Mississippi, North and South Carolina, and Tennessee to be eligible to apply for funding. Tribes and intertribal consortia are eligible. Deadline: 7/5/11.

www07.grants.gov/search/search.do?&mode=VIEW&opplId=97253
FY11 Region 1 Wetland Program Development Grants (USEPA)
The goals of EPA's wetland program include increasing the quantity and quality of wetlands in the US by conserving and restoring wetland acreage and improving wetland condition. WPDGs provide an opportunity to carry out projects to develop and refine comprehensive wetland programs. Projects must be performed within one or more of the states of EPA Region 1, specifically Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and/or Vermont to be eligible to apply for funding. Tribes and intertribal consortia are eligible. Deadline: 7/18/11.
www07.grants.gov/search/search.do?&mode=VIEW&oppId=97953

Marine Fisheries Initiative (MARFIN) (NOAA)
The National Marine Fisheries Service, Southeast Region, is seeking proposals for research and development projects that optimize the use of fisheries in the Gulf of Mexico and off the South Atlantic states of North Carolina, South Carolina, Georgia, and Florida involving the US fishing industry (recreational and commercial), including fishery biology, resource assessment, socioeconomic assessment, management and conservation, selected harvesting methods, and fish handling and processing. Indian tribal governments are eligible. Deadline: 7/18/11.
www07.grants.gov/search/search.do?&mode=VIEW&oppId=97333

Alaska Native Fund (Alaska Conservation Foundation)
The fund provides an Indigenous framework for impacting critical environmental issues while promoting innovative strategies to strengthen the capacity of Alaska Native organizations and communities. Priority Environmental Issues: Climate Change, Food Security, Sustainable Economies, Energy, and Holistic Wellness. Eligibility: 1) Alaska Native individual, Tribe or other Alaska Native nonprofit organization (with Alaska Native majority on the Council or Board of Directors); and 2) Conduct work that has an impact at the community level. Deadline: 7/25/11.
http://alaskaconservation.org/grant-opportunities/alaska-native-fund/

WaterSMART Applied Science Grants for the Southern Rockies Landscape Conservation Cooperative (Bureau of Reclamation)
BOR announced the availability of the Fiscal Year 2011 Funding Opportunity Announcement for the WaterSMART Applied Science Grant. The Applied Science Funding Opportunity seeks proposals that will help resource managers analyze and adapt to climate change and other stressors across the Southern Rockies LCC landscape. The projects should enhance the management of natural and cultural resources and have a nexus to water resource management in a changing climate. This includes analyzing the impacts of climate change and other landscape scale stressors on natural or cultural resources that affect or are affected by water resources management, and developing tools to assess and adapt to those impacts within the boundaries of the Southern Rockies LCC. Requires at least 50% cost share. Tribes are eligible. Deadline: 8/4/11.
www.grants.gov/search/search.do?jsessionid=Lp1jN1rhy Rpsy2VdGyQm5V1gJ2JhJNPr 6JHn1hx38T0CSc5 LmQmfL-1176040633?oppId=99613&mode=VIEW

WaterSMART Applied Science Grants for the Desert Landscape Conservation Cooperative (Bureau of Reclamation-Denver Office)
BOR has announced the availability of the Fiscal Year 2011 Funding Opportunity Announcement for the WaterSMART Applied Science Grant. The Applied Science Funding Opportunity seeks proposals that will help resource managers analyze and adapt to climate change and other stressors across the Desert LCC landscape. The projects should enhance the management of natural and cultural resources and have a nexus to water resource management in a changing climate. This includes analyzing the impacts of climate change and other landscape scale stressors on natural or cultural resources that affect or are affected by water resources management, and developing tools to assess and adapt to those impacts within the boundaries of the Desert LCC. Requires at least 50% cost share. Tribes are eligible. Deadline: 8/4/11.
http://www.grants.gov/search/search.do?jsessionid=gFSYN1thgmIMYqNv Gyw1TZB09pnG73lf lG9FQ7yQhrD0MJ J0Gyl-1176040633?oppId=99615 &mode=VIEW

FY 2012 Tribal Wildlife Grant Proposals (US Fish and Wildlife Service)
The US Fish and Wildlife Service invites submission of grant proposals from federally recognized Indian tribal governments, including Alaska Native Villages, for the development and implementation of programs that benefit wildlife and their habitat, including species of Native American cultural or traditional importance and that are not hunted or fished. Federally recognized Indian tribal governments are eligible. Deadline: 9/2/11.
www.fws.gov/nativeamerican/grants.html
Global Climate Change Mitigation Incentive Fund (Economic Development Administration-EDA, US Dept. of Commerce)
EDA generally allocates funds for the GCCMIF to support projects that foster economic competitiveness while enhancing environmental quality. EDA anticipates that these funds will be used to advance the green economy by supporting projects that create jobs through and increase private capital investment in initiatives to limit the nation's dependence on fossil fuels, enhance energy efficiency, curb greenhouse gas emissions, and protect natural systems. GCCMIF assistance is available to finance a variety of sustainability focused projects, including renewable energy end-products, the greening of existing manufacturing functions or processes, and the creation of certified green facilities. Indian tribes and consortia of Indian tribes are eligible. Deadline: 9/15/11 for funding cycle 1 of FY 2012.
www.eda.gov/PDF/FY%202011%20EDAP%20FFO-FINAL.pdf

Upcoming Events

NOTE: More Upcoming Events can be found at the Tribes & Climate Change website:
www4.nau.edu/tribalclimatechange/events.asp

June 2011

- **Webinar: Partnering with Utilities 101: Introduction to Utility Energy Efficiency Programs and Developing New Partnerships**
  June 28, 2-3 PM EDT. Sponsored by US DOE's EECBG/SEP Technical Assistance Program, this webinar will discuss how to take advantage of existing utility energy efficiency programs and develop strategies on how to leverage utility offerings for near-term projects and long-term programs. The webinar will also discuss how to develop a productive and long-lasting relationship with utility providers, and will cover the types of utility programs available-from standard product incentives to engineering assistance. The speakers will provide advice on how to initiate and develop points of contact in utility departments. The webinar will also help participants understand why utilities promote energy efficiency, and will provide perspective on the timelines for energy efficiency programs, which sometimes can be shorter than expected.
  www1.eere.energy.gov/wip/solutioncenter/webcasts/default.html

- **Workshop: Renewable Energy and Efficiency for Tribal Community Development**
  June 28-30, Denver, CO. Offered by DOE Tribal Energy Program. Course will help tribal leaders and staffs understand the range of energy efficiency and renewable energy opportunities that exist within their communities. The course will focus on: Technology 201-level information on each of the renewable energy technologies: solar, wind, geothermal, biomass, hydropower; Energy efficiency and weatherization technology and implementation; Dialogue with National Laboratory and private sector experts on technology status and implementation; Organizing for tribal community energy sufficiency through education, project development, and networking.
  http://apps1.eere.energy.gov/tribalenergy/upcoming_events.cfm

- **Webinar: Interior Lighting Efficiency for Municipalities**
  June 29, 2-3 PM EDT. Sponsored by US DOE, this webinar will cover the fundamentals of energy-efficient indoor lighting for municipal applications. Topics to be discussed include next-generation lighting technologies, daylight harvesting, adaptive lighting controls, and online tools that can help identify energy savings opportunities. This presentation is for municipalities that are interested in gaining the understanding needed to implement an efficient lighting project, and the confidence to act on it.
  www1.eere.energy.gov/wip/solutioncenter/webcasts/default.html

- **Webinar: How Has Your County Changed?**
  June 30, 2-3 PM EDT. Understanding how a coastal county's land cover has changed over the years is an excellent way to document trends, understand the effects of past land use decisions, and consider future land use planning needs. The Coastal Change Analysis Program (C-CAP) examines land cover changes in the nation's coastal areas. The C-CAP Land Cover Atlas is a new Web-based tool that does not require GIS or advanced technical expertise. This tool helps users explore and communicate land cover change and trend information with county-specific maps, statistics, and reports. In this webinar, participants will see how: Digital Coast land cover data are used to examine change and trends; The C-CAP Land Cover Atlas can be used to show county, state, and regional land cover change; Data visualization tools, or "Viewers," can provide a starting point for community planning; and
July 2011

- **Conference: 26th Annual Native American Fish and Wildlife Society Southwest Regional Conference**
  
  July 26-28, Espanola, NM. Conference Theme: The Power of Native American resources, Learning from the Past, Understanding the Present, Building for the Future. Agenda includes presentations on renewable energy and climate change.  

- **Conference: Coastal Zone 11 Conference -- Winds of Change: Great Lakes, Great Oceans, Great Communities**
  
  July 17-21, Chicago, IL. The Coastal Zone conference is a biennial international symposium that began in 1978. It gives attendees a platform to discuss the issues facing our world's oceans, coasts and Great Lakes, and a forum for discovering new strategies, solutions, and tools to plan for our future. Themes include: Planning for Resilient Coasts, Great Lakes, and Ecosystems; Healthy Habitats, Healthy Coastal, and Great Lakes Communities; Observing, Modeling and Monitoring; and Vibrant Coastal, Great Lakes, and Marine Economies.  

- **16th Protecting Mother Earth Gathering: Water, Energy, Climate and the Importance of Health and Culture**
  
  July 28-31, New Town, ND. Sponsored by Indigenous Environmental Network; hosted by Mandan, Hidatsa, Arikara Nations Community Members. Topics include: North American Indigenous Preparatory for RIO+20, Updates on National and International Climate Policy, Round Table on Green Economy and Native Peoples, Energy & Climate Justice, Native Nation Well-Being and Health; Traditional Knowledge, Original Instructions and Cultural Survival; United Nations Declaration on the Rights of Indigenous Peoples; and Free, Prior, and Informed Consent (FPIC).  

August 2011

- **Conference: 18th National Tribal Environmental Conference**
  
  August 29-31, Blue Lake, CA. The National Tribal Environmental Council (NTEC) will convene an interactive conference and annual meeting which aim to engage NTEC members and other tribes and environmental partners in a fresh approach that will move beyond the seminar format usually presented in conference agendas. This agenda will be designed to facilitate sharing of information, promoting discussions, and developing strategies to address a range of environmental and natural resource issues important to the participants.  
  [www.ntec.org/annualmeeting.html](http://www.ntec.org/annualmeeting.html)

September 2011

- **ITEP Training: Southwest Tribal Climate Change Workshop**
  
  Sept 13-14, Flagstaff, AZ. Offered by the Institute for Tribal Environmental Professionals with support from USDA Forest Service Rocky Mountain Research Station. Workshop will focus on tribal climate change issues in Arizona and New Mexico. Includes discussion of Traditional Ecological Knowledge and Western Science, observed climate change impacts on tribal lands in Arizona and New Mexico, and climate change issues and opportunities related to water and land-based resources. Open to tribal natural resource and environmental managers and staff and tribal organizations in Arizona and New Mexico. For more information, contact Susan.Wotkyns@nau.edu. Registration will be available soon on the ITEP website ([www4.nau.edu/itep/climatechange/](http://www4.nau.edu/itep/climatechange/)).
  September 22-24, Durham, NH. Goal of conference is to generate conversation among academic scholars, tribal professionals and community knowledge keepers about the spaces of interaction between traditional ecological knowledge and scientific methodologies. Our aim is that these conversations can create opportunities for and strengthen collaborative efforts between indigenous communities, academic institutions and science professionals. Proposal deadline: June 30.  

• **ITEP Training: Climate Change on Tribal Lands**
  October 11-14, Flagstaff, AZ. Offered by the Institute for Tribal Environmental Professionals with support from the US Environmental Protection Agency. Participants will learn ways to educate their communities about climate change. This is an entry-level course open to tribal environmental professionals interested in learning about climate change and how to educate their communities about it. Registration opens soon.  
  [www4.nau.edu/itep/air/training_aq.asp](http://www4.nau.edu/itep/air/training_aq.asp)