ITEP’s Climate Change Trainings & Resources for Tribes

Mehrdad Khatibi
Institute for Tribal Environmental Professionals
Northern Arizona University

National Tribal Water Quality Conference
November 17, 2011
Presentation Overview

• Overview of ITEP
• ITEP-USEPA Cooperative Agreement: Tribal Climate Change Adaptation Planning
• Climate Change Training
• Resources for tribes
• ITEP’s EEOP Summer Internships
Institute for Tribal Environmental Professionals (ITEP)

• Northern Arizona University, Flagstaff, AZ

• Programs:
  • Air Quality
  • Waste Management
  • Climate Change
  • Environmental Education and Outreach

• Serves federally recognized tribes nationally

Photo Courtesy of DOE/NREL
Tribal Climate Change Adaptation Planning

- ITEP-USEPA 4-year cooperative agreement, 2010-2014
- Facilitate tribal climate change adaptation planning, and communicate climate change impacts
Tribal Climate Change Adaptation Planning Project

• Tribal Climate Change Adaptation Planning Committee
  • Steve Crawford, Passamaquoddy Tribe at Pleasant Point, ME
  • Rose Kalistook, Orutsararmuit Native Village, AK
  • Ed Knight, Swinomish Indian Tribal Community, WA
  • Kathleen Sloan, Yurok Tribe, CA
  • Syndi Smallwood, Pechanga Band of Luiseño Indians, CA
  • Dr. Margaret Hiza Redsteer, U.S. Geological Survey, AZ
  • Dr. Darrell Kaufman, Northern Arizona University
  • Sue Wotkyns, ITEP
  • Mehrdad Khatibi, ITEP
  • Lesley Jantarasami, US EPA
  • Bill Perkins, US EPA
Climate Change Training

Trainings:

• *Climate Change on Tribal Lands*

• *Climate Change Adaptation Planning*

Upcoming:

• Alaska (ATCEM--November 10-11)

• East of Mississippi (Spring 2012)

• Plains/Rockies (Fall 2012)
Tribes & Climate Change website

- Basic Information
- Tribal Profiles
- Resources: Science, Impacts, Adaptation, Mitigation, Outreach, Policy, Funding
- Take Action
- Events
- Contacts

http://www4.nau.edu/tribalclimatechange/
Tribal Climate Change Newsletter

• Delivered monthly by email
• ITEP CC Program News
• In the News
• Resources
• Other Items of Interest
• Funding Opportunities
• Upcoming Events
• Contact: susan.wotkyns@nau.edu
Tribal Climate Change Adaptation Plan Template

- Guidelines and suggestions for writing an adaptation plan
- Outline of sections to include
- Key Terms, Additional Resources
- Available as Word document
- Contact: susan.wotkyns@nau.edu
Write a Climate Change Adaptation Plan—What to Include

• Tribal Council Commitment—tribal council’s approval and support of the plan
• Executive Summary—overview of the project and key findings
  • Planning Process
  • Action Recommendations
  • Implementation of Plan
Write a Climate Change Adaptation Plan—What to Include

- Introduction
  - General Characteristics/History of the Tribe
  - Why the Tribe is Planning for Climate Change
    - Threat posed by climate change
    - Tribe’s commitment to planning
    - Reasons for planning
  - Planning in a Regional Context
Write a Climate Change Adaptation Plan—What to Include

• Climate Impacts
  • Regional climate impacts
  • Climate change impacts on tribe (impact assessment)
• Vulnerability and Risk (assessments)
• Recommended Goals and Actions
  • Goals: what you want to accomplish
  • Actions: how you’ll accomplish goals

Credit: USGS/B. Hanson
Write a Climate Change Adaptation Plan—What to Include

- Implementation of Plan
  - Monitor/measure progress in reaching adaptation goals
  - Review basic assumptions
  - Update plan regularly

Photos courtesy of University Corporation of Atmospheric Research
Tribal Climate Change Calls/Webinars

Upcoming:

• AK Tribal Climate Change Conf. Call
  • November 29, 9:30 am AK time (tentative)

• Webinar: Tribes and The National Climate Assessment (December 5, 2:00 PM Eastern)

• Suggestions for topics/presenters?
ITEP’s EEOP Summer Internships—Host Sites Needed

- Host sites: Tribes, tribal orgs, govt. agencies.
- Projects focus on addressing air quality and/or climate change issues in tribal communities.
- 10 weeks, undergrad/grad students. ITEP provides $4,000 stipend and limited housing/travel allowances to intern. Host site provides workplace and supervision.
- **Deadline:** Host sites: 1/6/12. Interns: 2/15/12.
  [www4.nau.edu/eeop/internships/ssi_host.asp](http://www4.nau.edu/eeop/internships/ssi_host.asp)
Feedback

Please provide feedback:

• Resources that could assist your tribe with adaptation planning
• Tribal profile on your tribe?
• Suggested webinar topics/presenters
Our Contact Information

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

Mehrdad Khatibi, Director, ITEP, 928-523-0946, Mehrdad.Khatibi@nau.edu

Ann Marie Chischilly, Esq., Executive Director, ITEP, 928-523-9555, Ann-Marie.Chischilly@nau.edu