

Tribal Climate Change Planning: GHG Inventories, Mitigation, Adaptation

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Presentation Objectives

- Describe Climate Change Planning Efforts of the Santa Ynez Chumash and other tribes
- Provide a simple strategy for Climate Change Planning
- Share climate change planning resources: funding, forums, websites, etc.

Santa Ynez Chumash Climate Change Efforts

- UCSB Bren School Master's Thesis Project
 - <http://fiesta.bren.ucsb.edu/~chumash/the%20project.html>
- GHG Inventories: Bren Project, DOE Energy Plan
- Mitigation Strategies
 - Solar, Energy Efficiency, Energy Conservation, Transportation
- Adaptation Strategies
 - Cultural plant monitoring, management, and restoration
 - Availability of water resources
- SYCEO Website: <http://syceo.org/>

Nationwide Tribal Climate Change Efforts

- **ITEP's Tribes and Climate Change Website**
 - <http://www4.nau.edu/tribalclimatechange/tribes/index.asp>
- **EPA Region 9 Tribal Climate Change Efforts**
 - **Mescalero Apache: Exotics Removal, Fuels Treatment, Energy, Water**
 - http://www4.nau.edu/tribalclimatechange/tribes/southwest_mescalero.asp
 - **Fort McDowell Yavapai: Solar Energy Projects**
 - http://www4.nau.edu/tribalclimatechange/tribes/southwest_fmyavapai.asp
 - **Navajo Nation: Sand Dunes Study**
 - <http://www4.nau.edu/tribalclimatechange/tribes/southwest.asp>
 - **Santa Ynez Chumash: Climate Change Planning & Mitigation**
 - http://www4.nau.edu/tribalclimatechange/tribes/southwest_chumash.asp
 - **Karuk Tribe: Eco-Cultural Resource Management Plan**
 - http://www4.nau.edu/tribalclimatechange/tribes/northwest_karuk.asp

Tribal Climate Change Strategy

- **Prepare a Climate Change Vulnerability/Risk Assessment**
- **Create a Greenhouse Gas (GHG) Emission Inventory**
 - Establish a baseline for comparison and goal setting purposes
 - Including a system for ongoing monitoring of GHG emissions
- **Develop/implement a Climate Change Mitigation Plan**
- **Develop/implement a Climate Change Adaptation Plan**
 - The Adaptation and Mitigation Planning can be combined
- **Prepare and maintain a Climate Change Strategic Plan**
 - Example: Rincon Band of Luiseno Indians

Tribal Climate Change Resources

- EPA General Assistance Program (GAP) Funding
- EPA Clean Air Act Sec. 103 Funding
- BIA Climate Change Funding
- State and Federal Grant Opportunities (not tribal specific)
- Institute for Tribal Environmental Professionals (ITEP)
 - <http://www4.nau.edu/itep/climatechange/>
- Pacific Northwest Tribal Climate Change Network
 - <http://tribalclimate.uoregon.edu/>
 - <http://envs.uoregon.edu/tribal-climate/> (funding opportunities)
- BIA Climate Change Resources
 - <http://www.bia.gov/WhoWeAre/RegionalOffices/Pacific/NaturalResources/index.htm>

Tribal Climate Change Resources

➤ EPA Climate Change

- <http://www.epa.gov/climatechange/>

➤ EPA Climate Showcase Communities

- <http://www.epa.gov/statelocalclimate/local/showcase/index.html>

➤ National Fish, Wildlife, and Plants Adaptation Strategy

- <http://www.wildlifeadaptationstrategy.gov/>

Thank You! Questions?

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