



Tribal Climate Adaptation Workshop

September 1-2, 2015
San Diego





CONTENTS

Welcome Letter from California Landscape Conservation Cooperative - - - 5

Sponsors - - - - - 7

Agenda - - - - - 9

Bios - - - - - 13





WELCOME

September 1, 2015

Dear Participants,

On behalf of the California Landscape Conservation Cooperative, I'd like to welcome you to the *Tribal Climate Adaptation Workshop* at the San Diego Foundation in San Diego, California.

Climate change has been impacting tribal lands and cultural resources, and future anticipated changes will further stress species and habitats that tribes have persisted on for centuries. Identifying the risks and developing strategies to address them must happen now to minimize future damage and maximize adaptive capacity for tribes and tribal resources. It is our hope that this training will help San Diego area tribes to begin or advance their climate change planning efforts.

The California Landscape Conservation Cooperative staff and Tribal Team would like to extend their appreciation to the California Department of Water Resources, the Southwest Climate Science Center, the San Diego Climate Science Alliance, and the California Coastal Conservancy for providing support for the event.

We look forward to your participation in this important and much needed workshop and hope you come away with the tools, contacts, and relationships that will advance climate adaptation efforts in your tribal community or, in the case of agency staff, the tribes you work with.

Respectfully,

Debra Schlafmann

Coordinator, California Landscape Conservation Cooperative





SPONSORS

We would like to thank all of those who participated and contributed to this valuable program.





8:30– 9:00	Registration
9:00– 9:10	Welcome and Opening Prayer
9:10– 9:40	Introductions
9:40– 10:25	Overview of Climate Change Impacts for the Region <i>Jill Sherman-Warne, Executive Director</i> <i>Native American Environmental Protection Coalition</i> <i>Dr. Nilmini Silva-Send</i> <i>Assistant Director, Energy Policy Initiatives Center, University of San Diego</i> <i>Co-Principal Investigator, Climate Education Partners, University of San Diego</i>
10:25– 10:40	BREAK
10:40– 11:00	Breakout Session Based on the overview, what do you think may be some of your Tribe’s primary and unique vulnerabilities? Instructors are available to assist you.
11:00– 12:00	Existing Tribal Climate Adaptation Efforts In The Region <i>Mike Connolly</i> <i>Kumeyaay Diegueño Land Conservancy</i> <i>Danielle Boudreau</i> <i>Tijuana River NERR</i> <i>Rob Roy</i> <i>La Jolla Band of Luiseno Indians</i>
12:00– 1:00	LUNCH



AGENDA *Tuesday*

1:00– 2:10	Overview of Climate Change Adaptation Planning <i>Sue Wotkyns</i> <i>Institute Tribal Environmental Professionals</i>
2:10– 2:45	Roundtable Discussions What are the key adaptation strategies for your Tribe?
2:45– 3:00	BREAK
3:00– 3:50	Funding & Partnership Opportunities <i>Patrick Taber</i> <i>Bureau of Indian Affairs</i> <i>Jonathan Snap-Cook</i> <i>US Fish & Wildlife Service</i> <i>Howard Kahan</i> <i>Environmental Protection Agency</i>
3:50– 4:00	Closing Remarks
4:00– 5:00	Poster Session See what others are doing with climate change adaptation planning. Learn about available funding and partnership opportunities.





AGENDA *Wednesday*

8:30– 9:00	Gather for the Site Visit/Field Trip to Pala Band of Mission Indian Restoration Sites
9:00– 10:05	Shuttle to Site
10:05– 12:45	Site Visit & Discussion
12:45– 1:50	Return Shuttle
1:50	Closing Prayer
2:00	Adjourn





BIOS

Jill Sherman-Warne is the Executive Director of the Native American Environmental Protection Coalition (NAEPC). NAEPC is a tribally driven organization dedicated to providing technical assistance, environmental education, professional training, information networking and intertribal coordination.

Dr. Silva-Send is the Assistant Director and Adjunct Professor at the Energy Policy Initiatives Center, University of San Diego. She leads the research and analysis of EPIC's ongoing regional and local climate change projects and has extensive policy and technical knowledge of energy and GHG mitigation methods and measures, with a focus on transportation and costs of measures. She has participated in several international energy policy dialogues, including in Mexico and Saudi Arabia. Dr. Silva-Send is also a co-Principal Investigator in a 5-year multidisciplinary National Science Foundation Climate Education Partners project in which she works with climate scientists, social psychologists and communication specialists to develop more effective methods to communicate links between climate science, energy use and society. In this role, she leads the development of science-based climate communication resources, works with Native American tribes in the region as well as the transportation sector to deepen understanding and issues related to climate change. As a professor, Dr. Silva-Send has taught classes in International and European Environmental Law in Germany and University of San Diego School of Law. Since 2009 she has developed and teaches a class in international energy law. Prior to her university career, Dr. Silva-Send was an environmental consultant in California, as well as in Europe, where she was also involved in comparative legal and technical analysis of German and European environmental and energy laws. Dr. Silva-Send has a B.S. in Chemistry, an LLB from the University of London and a PhD in international environmental law and policy.

Mr. Connolly is a member of the Campo Band of the Kumeyaay Nation in San Diego County. He is an economist/engineer who provides consulting services in the fields of environmental protection, economics, energy, and land management. He writes and teaches on Kumeyaay history and traditional ecological knowledge. He has two published books and many published papers on Kumeyaay history, environmental economics, natural resources and renewable energy. He is adjunct faculty at San Diego State University and a Board Member of Kumeyaay Community College. He holds a Master of Arts degree in Economics and a Bachelor of Science degree in Engineering.



Danielle Boudreau is the Coastal Management Specialist at the Tijuana River National Estuarine Research Reserve (TRNERR). As part of the Coastal Training Program, she provides science-based training and technical assistance to binational coastal decision-makers in the San Diego and Baja California regions. Currently, she is managing the Reserve's climate change and resiliency efforts. Previously, Dani worked with The Nature Conservancy to advance coastal adaptation in North Carolina, while pursuing her masters in Environmental Management and Geospatial Analysis at Duke University.

Rob Roy is the Environmental Director for the La Jolla Band of Luiseno Indians and has been employed by the Tribe for over 12 years. He is responsible for the Environmental Protection Office which employs a staff of seven people working on clean water, air quality, solid waste, wastewater, natural resources, and other critical environmental and human health issues, and also works closely with the Domestic Water and other Tribal Departments. His education is in Geographic Information Systems and he previously worked for the City of San Diego Environmental Services Department. Rob received the EPA Environmental Achievement Award in 2008 for his work with solid waste management including recycling, reducing illegal dumping, hazardous and electronic waste recycling, tire cleanup, and disaster recovery. Rob works hard to foster collaboration between groups to achieve common goals and increase the scope and impact of projects. He also serves as a member of the TWRAP steering committee, the Exchange Network Tribal Governance Group, and participates on the Interagency Infrastructure Task Force Solid Waste Sub-workgroup. Rob has a passion for the natural world and goes travelling, hiking and backpacking whenever he can.

Sue Wotkyns is the Climate Change Program Manager at the Institute for Tribal Environmental Professionals (ITEP), Northern Arizona University, in Flagstaff, AZ. She has worked for ITEP since 2006 and leads ITEP's Climate Change Program, which provides training, informational resources, and assistance to tribes throughout the U.S. on climate change issues.

Patrick Taber has been working as the Bureau of Indian Affairs Southern California Agency's hydrologist since August of 2014. His hydrology work experience prior to the BIA includes research experience with the USDA's U.S. Salinity Laboratory where he explored using geophysics to evaluate water/saline movement in agriculture applications, and worked on the development of numerous soil/plant/water computer models. Additionally, he worked with the USGS National Research Program as part of the Unsaturated Zone Field Studies Project conducting field work for groundwater recharge studies. He received his Master's in Watershed Science from Colorado State University, and his Bachelors in Computer Science from Trinity University.



Jonathan Snapp-Cook is the Partners for Fish and Wildlife Biologist at the Carlsbad Fish and Wildlife Office. Jonathan also assists with the Tribal Wildlife Grants Program. Jonathan has worked for the US Fish and Wildlife Service since 2003. He has experience with coastal sage scrub, chaparral, oak woodland, grassland, and vernal pool ecosystems in southern California. Jonathan studied geography at San Diego State University and botany and sustainable agriculture at the University of California, Santa Cruz.

Howard Kahan works in Region 9 of the National Environmental Protection Agency (NEPA). NEPA establishes national environmental policy and goals for the protection, maintenance, and enhancement of the environment.

