

AGENDA
WSWC/WGA/CDWR Climate Change Adaptation Policy Workshop

September 24-26, 2008

Hilton Irvine/Orange County Airport
18800 MacArthur Blvd, Irvine

Wednesday, September 24th

9:30 **Registration**

10:30 **Opening remarks**

Tony Willardson – Deputy Director, Western States Water Council (WSWC)
Jeanine Jones – Interstate Resources Manager, California Department of Water Resources (CDWR)

10:50 **Implementation of Western Governors Association (WGA) Report, WGA Actions on Climate Change**

Garland Erbele, Chief Engineer, South Dakota Water Rights Program and WSWC Chair

11:10 **Hydrology in a Brave New World**

Old and New Hydrology – Ben Harding, Principal Engineer, AMEC Earth and Environmental
Legal Implications and Standard of Practice – Laura Zuckerman, Deputy Attorney General, California Attorney General's Office

Where do we go from Here: Technical Approaches – Soorosh Sooroshian, Professor, University of California, Irvine

Where do we go from Here: Policy and Management Implications – Jeanine Jones, Interstate Resources Manager, CDWR

12:45 **Lunch**

1:45 **Opportunities at the Federal Level**

Establishment of a National Climate Service – Ahsha Tribble, National Oceanic and Atmospheric Administration (NOAA)/National Weather Service Climate Services Division Chief

US Army Corps of Engineers (USACE) Reservoir Reallocation Study – Rolf Olsen, Water Resources Systems Engineer, USACE

Bureau of Reclamation Planning – Chuck Henning, Research Coordinator, Reclamation Activities at USEPA – Roger Gorke, Policy Advisor to the Assistant Administrator, Office of Water, USEPA

3:00 **Break**

3:15 **Examples of Management Tools, Part I**

Development of a Western Regional Climate Model -- Jim Hurrell, Senior Scientist, National Center for Atmospheric Research

Urban Water Mgmt Plans and Reconstructed Hydrology – Connie Woodhouse, Associate Professor, University of Arizona

Improvements in Weather Forecasting – Ed O'Lenic, Chief, Operations Branch, Climate Prediction Center, NOAA National Weather Service

Opportunities for Decadal-Scale Climate Prediction – Kathy Jacobs, Executive Director, Arizona Water Institute

5:00 **Adjourn**

5:30 **Reception** - - sponsored by:

AMEC Earth & Environmental, Inc.

Camp, Dresser & McKee (CDM)

CH2M Hill

Thursday, September 25th

- 7:30 **Continental Breakfast**
- 8:30 **Examples of Management Tools, Part II**
Risk-based Decision-Making -- Michael Hanemann, Chancellor's Professor, Department of Agricultural and Resource Economics, University of California at Berkeley
Analyzing Impacts to Water Rights -- Doug Kenney, Research Associate, University of Colorado
Evaluating Effects of Climate Change on Water Utility Planning Criteria and Design Standards -- Ed Means, Principal Investigator, Malcolm Pirnie, Inc.
Use of Hydromet Testbeds (HMT) -- Tim Schneider, NOAA HMT Project Manager
- 10:15 **Climate Change Response Capabilities**
Incorporating Climate Change into Water Supply Planning, Puget Sound example -- Dan Rodrigo, CDM
UASCE/CDWR Pilot Study on Reservoir Reoperation -- Stu Townsley, Chief, Water Management USACE Sacramento
Capabilities in Consulting Industry -- Kathy Freas, Water Resources Director, CH2M Hill
Water Utility Climate Alliance Formation -- Keiba Crear, Environmental Monitoring and Management Division Manager, Southern Nevada Water Authority
- 12:00 **Lunch**
- 1:00 **Potential Institutional Frameworks for Water Sector Adaptation**
Stationarity is Dead -- Dennis Lettenmaier, Professor, University of Washington Hydrology Group
Use of BMPs -- Chris Brown, Executive Director, California Urban Water Conservation Council
State Water Planning -- Barney Austin, Surface Water Resources Division Director, Texas Water Development Board
Colorado Climate Change Project -- Stephen Saunders, President, Rocky Mountain Climate Organization
How RISAs Can Help -- Brad Udall, Director, Western Water Assessment, NOAA Earth Science Research Laboratory
- 3:00 Break
- 3:15 **Partnership Opportunities**
American Meteorological Society -- Bill Hooke, Director, American Meteorological Society Policy Program
WSWC and Federal Agency Support Team -- Mike Fallon, Director of Programs, SW Division, USACE
California State & Local Agencies -- Integrated Regional Management Planning -- Tracie Billington, Chief, Resource Restoration & Project Support Branch, CDWR
- 5:00 **Adjourn**

Friday, September 26th

- 7:30 **Continental Breakfast**
- 8:30 **Strategies for Federal Legislation to Support Adaptation**
Panel Discussion -- Moderator, Jeanine Jones
Veva Deheza, Section Chief, Office of Water Conservation and Drought Planning, Colorado Water Conservation Board
Mark Schafer, Director of Climate Information, Oklahoma Climatological Survey
Bill Hume, Office of the Governor, New Mexico
Tony Willardson, WSWC
- 9:30 **Strategies for Incorporating Climate Change Adaptation into State Planning**
California Whitepaper on Adaptation -- John Andrew, Chief, Special Planning Projects, CDWR
Oregon Climate Change Adaptation Group -- Barry Norris, State Engineer, Oregon Water Resources Department

- 10:15 **Break**
- 10:30 **Emerging Topics**
Carrying Out Vulnerability Analyses – Kirsten Dow, Associate Professor, University of South Carolina
Remote Sensing Tools for Land Use/Land Cover – Bradley Reed, Associate Program Coordinator, Geographic Analysis and Monitoring, USGS
NASA's Water Management Program – Ted Engman, Hydrological Sciences Branch, NASA
- 11:45 **Closing Remarks**
- 12:00 **Adjourn**