



**NWRI**



**California Department of Water Resources  
National Water Research Institute  
Southern California Water Committee**

**Drought Vulnerability and  
Tools for Improving Water Resilience**

**October 19-20, 2016**

**AGENDA**

**Location:**

Renaissance Long Beach Hotel  
111 East Ocean Boulevard  
Long Beach, CA 90802

**Contact:**

NWRI Office  
(714) 378-3278  
[www.nwri-usa.org](http://www.nwri-usa.org)

<b>DAY 1 — Wednesday, October 19, 2016: Bixby Rooms 1, 2, and 5</b>		
<b>9:00 am –10:00 am</b>	<b>Registration Open</b>	<b>Bixby Foyer</b>
10:00 am	Welcome and Introductions	Mike Wehner, National Water Research Institute Jeanine Jones, P.E., California Department of Water Resources Charles Wilson, Southern California Water Committee
<b>Session 1: Status of Water Conditions in California</b>		
10:05 am	California Statewide Drought Conditions	Jeanine Jones, P.E., CA DWR
10:30 am	New Guidelines for Urban Water Management Plans and Water Shortage Contingency Plans	Kent Frame, CA DWR
11:00 am	Using the Paleoclimatic Data Record to Understand Historical Precipitation Patterns	Connie Woodhouse, Ph.D., University of Arizona
11:30 am	Southern California’s Drought Response and Long-term Water Supply Challenges	Demetri Polyzos, P.E., Metropolitan Water District of Southern California

12:00 pm	LUNCH	Bixby Rooms 3-4
<b>Session 2: Predicting and Managing Precipitation in California</b>		
1:15 pm	Precipitation Variability in California	Michael Anderson, Ph.D., P.E., CA DWR
1:45 pm	Overview of Atmospheric Rivers	Marty Ralph, Ph.D., Scripps Institute of Oceanography
2:15 pm	Advanced Quantitative Precipitation Information Project	Jay Jasperse, P.E., Sonoma County Water Agency
2:45 pm	<b>BREAK</b>	
3:00 pm	Status of Efforts to Improve Sub-seasonal to Seasonal Precipitation Forecasting	Jeanine Jones, P.E., CA DWR
<b>Session 3: Sustainable Groundwater Management</b>		
3:30 pm	<p><b>Panel: Managing Groundwater Basins in Southern California for Drought and SGMA</b></p> <ul style="list-style-type: none"> <li>Rich Juricich, P.E., CA DWR. <i>“California’s Sustainable Groundwater Management Act, Two Years After Passage”</i></li> <li>Greg Reed, P.E., Los Angeles Department of Water and Power. <i>“Groundwater Management and Resiliency in the Los Angeles Area”</i></li> <li>Tony Morgan, P.G., CHG, United Water Conservation District. <i>“GSA Formation in Ventura County: A Smorgasbord of Approaches”</i></li> </ul>	Moderated by Charles Wilson, Southern California Water Committee
5:00 pm	<b>Day 1 Workshop Adjourns</b>	

**DAY 2 — Thursday, October 20, 2016 - Bixby Rooms 1, 2, and 5**

7:30– 8:30 am	<b>Registration Open</b>	<b>Bixby Foyer</b>
8:30 am	Welcome and Introductions	Jeanine Jones, P.E., CA DWR
<b>Session 4: Developing Water Resource Resiliency Through Innovation</b>		
8:35 am	State Water Resources Control Board: Storm Water Strategy	Annalisa Kihara, P.E., CA State Water Resources Control Board
9:15 am	Barriers and Opportunities for Innovation in the Urban Water Sector	Michael Kiparsky, Ph.D., Wheeler Water Institute at Berkeley
9:45 am	Implementing Innovative Stormwater Projects	Scott Taylor, P.E., Michael Baker International
10:15 am	<b>BREAK</b>	

10:30 am	Using Stormwater to Enhance Local Water Supplies: Outcomes from the NAS Report	Richard Luthy, Ph.D., Stanford University
11:00 am	Innovative Stormwater Quality Control: Application of Biochar	Kyle Shimabuku, University of Colorado at Boulder
11:30 am	An Evaluation of Drywell Technology as a Tool for Stormwater Management and Aquifer Recharge	Emily Edwards, University of California, Davis
<b>12:00 noon</b>	<b>LUNCH</b>	<b>Bixby Rooms 3-4</b>
1:00 pm	<p><b>Panel: Stormwater Capture and Integrated Regional Water Management Plans</b></p> <ul style="list-style-type: none"> <li>• Lee Alexanderson, P.E., LA County Department of Public Works. <i>“Climate Change Impacts on Stormwater Planning”</i></li> <li>• Rafael Villegas, P.E., LA Department of Water and Power. <i>“City of LA’s Stormwater Capture Master Plan”</i></li> <li>• Andy Campbell, P.G., C.H.G., Inland Empire Utilities Agency. <i>“The Chino Basin Experience”</i></li> <li>• Stephanie Gaines, County of San Diego Watershed Protection Program. <i>“Permits, Plans and Studies; the San Diego County approach to Stormwater Capture and Use”</i></li> </ul>	Moderated by Lisa Haney, Orange County Sanitation District
2:00 pm	<p><b>Panel: NGO and Industry Perspectives on Sustainability of Water Resources in Urban Environments</b></p> <ul style="list-style-type: none"> <li>• Rich Atwater, Southern California Water Committee. <i>“Metropolitan Water District’s Regional Integrated Water Resource Plan Management Strategies”</i></li> <li>• Kurt Schwabe, Ph.D., Public Policy Institute of California. <i>“Sustainable Water Resources in Urban Environments: Challenges and Opportunities”</i></li> <li>• Claire Robinson, Amigos de Los Rios. <i>“Emerald Necklace Multi-Objective Green Infrastructure and Water Resources in Public Landscapes”</i></li> <li>• Wendy Ramallo, Council for Watershed Health. <i>“Enhancing Water Resources through Effective Community Engagement”</i></li> </ul>	Moderated by Charles Wilson, Southern California Water Committee
<b>3:00 pm</b>	<b>Day 2 Workshop Adjourns</b>	