



Colorado River Conversations Conference

October 28-30, 2019
 ENR2 Building, 1064 E. Lowell St.
 University of Arizona, Tucson, Arizona

Welcome to the Colorado River Conversations: Integrating Science and Identifying Solutions Conference!

Our goal is to convene conversations, provide a gathering ground for researchers, practitioners and stakeholders who seek innovative ideas for managing the Colorado River's services by:

- I. Presenting the current state of hydrological, ecological, social, and climate science
- II. Sparking conversations about management objectives, operations of the Colorado River as a system, and preparing for extreme events
- III. Generating and discussing alternative approaches to river management for consideration
- IV. Respecting cultural and spiritual values

AGENDA

Monday, October 28

11:00 – 12:00 60 min	Registration open	S107
12:00 – 1:00 60 min	Lunches available	S107
Welcome and Introductions		
1:00 – 1:50 50 min	Welcome, Agenda and Purpose of Meeting Kathy Jacobs, Center for Climate Adaptation Science and Solutions (CCASS), Univ. Arizona Amy McCoy, Martin & McCoy Season Martin, Martin & McCoy Blessing Austin Nunez, San Xavier District, Tohono O'odham Nation Logistics Amanda Leinberger, CCASS, Univ. Arizona Self-Introductions River Introduction	S107
Opening Panel: Visions of the River in the Future/Desired Outcomes		
1:50 – 3:00 70 min	Reframing Solutions: Peter Culp, Culp & Kelly, LLP Redefining Stakeholder Engagement: Kathy Jacobs, CCASS, Univ. Arizona Institutional Resilience/Collaborative Governance: Mike Connor, WilmerHale Tribal Insights: Daryl Vigil, Jicarilla Apache Nation Next Steps in Binational Collaboration: Jayne Harkins, IBWC Commissioner Discussion *Moderated by Tim Thomure, Tucson Water	S107

3:00 – 3:20 20 min	NETWORKING BREAK	S107
Panel II: Climate, Hydrology and Social Science Updates		
3:20 – 5:30 130 min	<p>A Virtual Tour of the Colorado River: Jack Schmidt, Utah State</p> <p>Efforts Led by the Basin States and Municipal Agencies: Seth Shanahan, Southern Nevada Water Authority</p> <ul style="list-style-type: none"> - State of the Science Report: Jeff Lukas, Western Water Assessment & Liz Payton, Univ. Colorado <p>Science Efforts Led by Reclamation: Jim Prairie & Rebecca Smith, U.S. Bureau of Reclamation</p> <p>Other Research Updates:</p> <ul style="list-style-type: none"> - Impacts of Temperature on Colorado River Flows: Brad Udall, Colorado State - Evolving Approaches to US-Mexico Water Management: Mariana Rivera-Torres, Univ. Arizona - Dynamics and Predictability of Streamflow: Balaji Rajagopalan, Univ. Colorado - Institutional Perspectives and Stakeholder Perspectives on Hydropower: Surabhi Karambelkar, Univ. Arizona - Approaches to Modeling the Modern River: David Rosenberg, Utah State <p>Discussion *Moderated by Kathy Jacobs, CCASS, Univ. Arizona</p>	S107
5:30	ADJOURN	S107
5:45	<p>Leave for dinner at Culinary Dropout Bus leaves from pick-up area beneath 6th Street Parking Garage on the south side and will return to both the Marriott and the Parking Garage after the event</p>	6 th St. Parking Garage Bus Bay

Tuesday, October 29

8:00 – 9:00 60 min	Breakfast available	S107
9:00 – 9:05 5 min	<p>Welcome Back, Overview of the Day Kathy Jacobs, CCASS, Univ. Arizona</p>	S107
Overview of the Coordinated Operations of Lake Mead and Lake Powell and Lessons Learned Since 2007		
9:05 – 9:55 50 min	<p>Upper Basin Lessons/Perspectives: Don Ostler, Upper Colorado River Commission, retired</p> <p>Lower Basin Lessons/Perspectives: Nicole Klobas, Arizona Department of Water Resources & Chuck Cullom, Central Arizona Project</p> <p>Discussion *Moderated by Vineetha Kartha, Arizona Department of Water Resources</p>	S107
Planning Scenarios: Climate Variability and Extremes - Preparing for Floods and Droughts, Managing Ecosystems (and many other factors)		
9:55 – 10:10 15 min	<p>Nightmares, Scenarios and Next Steps – Walton Colorado River Conversations Project Andrea Gerlak, Univ. Arizona; Mariana Rivera-Torres, Univ. Arizona; Amy McCoy, Martin & McCoy; & Season Martin, Martin & McCoy</p> <p>*Moderated by Kathy Jacobs, CCASS, Univ. Arizona</p>	S107
10:10 – 10:40 30 min	NETWORKING BREAK	S107

Ecological Resources: Systems Thinking and Implications for Colorado River Management		
10:40 – 12:10 90 min	<p>Native and Non-Native Species, Biodiversity Objectives: Tom Chart, USFWS & Scott VanderKooi, USGS</p> <p>Implications off/for Temperature, Salinity and Sediment Management: Todd Tietjen, Southern Nevada Water Authority; Don Barnett, Salinity Control Forum; & Jack Schmidt, Utah State</p> <p>River Restoration for Habitat at the Watershed Scale: Gabriela Caloca Michel, Pronatura Noroeste & Jennifer Pitt, Audubon</p> <p>Implications of Revised Guidelines for the Implementation of the LCR</p> <p>Multispecies Conservation Plan: Chris Harris, Colorado River Board of California</p> <p>Discussion *Moderated by Charles Yackulic, USGS</p>	S107
12:10 – 1:00 50 min	LUNCH AND NETWORKING BREAK	S107
Salton Sea and Delta Issues and Solutions		
1:00 – 1:40 40 min	<p>Salton Sea Issues: Thomas Gibson, California Natural Resources</p> <p>Ideas for the Future of the Salton Sea: Dan Denham, San Diego County Water Authority</p> <p>Possible Delta Solutions: Francisco Zamora, Sonoran Institute & Karl Flessa, Univ. Arizona</p> <p>Discussion *Moderated by Seth Shanahan, Southern Nevada Water Authority</p>	S107
1:40 – 1:45 5 min	PANEL TRANSITION	S107
Ideas for the Future Part I		
1:45 – 2:40 55 min	<p>Rethinking Governance: Andrea Gerlak, Univ. Arizona</p> <p>Defining and Protecting Cultural and Existence Values of the River While Addressing Water/Energy Issues: Bidtah Becker, Navajo Tribal Utility Authority</p> <p>Climate Risk on the Colorado: Season Martin, Martin & McCoy</p> <p>Power Markets and Changes in Portfolios: Steve Johnson, Western Area Power Administration</p> <p>Discussion *Moderated by Amy McCoy, Martin & McCoy</p>	S107
2:40 – 2:45 5 min	PANEL TRANSITION	S107
Ideas for the Future Part II		
2:45 – 3:40 55 min	<p>Managing the River for Multiple Uses: Ronda Newton, National Park Service</p> <p>Municipal Solution Ideas: Colby Pellegrino, Southern Nevada Water Authority</p> <p>Agricultural Contributions to Water Sustainability: Tina Shields, Imperial Irrigation District</p> <p>Incorporating Recreation Objectives in Adaptation Options: John Weisheit, Living Rivers</p> <p>Discussion *Moderated by Lauma Kaatz, Denver Water</p>	S107
3:40 – 4:00 20 min	NETWORKING BREAK	S107

Ideas for the Future Part III		
4:00 – 5:00 60 min	<p>Integrating Mitigation Objectives: Taylor Hawes, The Nature Conservancy</p> <p>Collaborations with Mexico: Carlos de la Parra, El Colegio de la Frontera Norte</p> <p>Navigating Water Markets and Water Transfers: Bonnie Colby, Univ. Arizona</p> <p>Managing the River as a System: Matt Rice, American Rivers</p> <p>A California Municipal Perspective: Bill Hasencamp, Metropolitan Water District of Southern California</p> <p>Discussion *Moderated by Steve Wolff, State of Wyoming</p>	S107
5:00 – 6:30	COURTYARD RECEPTION	1st Floor Courtyard
6:30	Dinner on your own	

Wednesday, October 30

8:00 60 min	Breakfast available	S107
9:00 – 9:05 5 min	<p>Welcome Back, Overview of the Day, Breakout Instructions Kathy Jacobs, CCASS, Univ. Arizona</p>	S107
World Café Breakout Sessions		
9:05 – 10:30 85 min	<p>New Concepts/Principles (Topics will be selected during the conference; these are examples)</p> <ul style="list-style-type: none"> - Managing for Extremes - Alternative Allocation/Institutional Approaches - Lessons from Coupled Human-Environmental Systems Approaches - Agricultural Contributions to Sustainability - System Reliability - Water Markets and Water Transfers - Building Inclusive Governance - Energy Issues: Changes in Supply, Demand and Regulation - Municipal Demand Issues and Opportunities <p>*Facilitators: Kathy Jacobs, Amy McCoy, Season Martin, Andrea Gerlak, Mariana Rivera-Torres, Neha Gupta, Matt McKinney</p>	S107 <i>See color on name tag for breakout group assignment</i>
10:30 – 10:50 20 min	NETWORKING BREAK	S107
Plenary Report-Out and Discussion of Outcomes and Next Steps		
10:50 – 11:20 30 min	*Moderated by Kathy Jacobs, CCASS, Univ. Arizona	S107
Closing Remarks Panel		
11:20 – 12:00 40 min	<p>Brad Udall, Colorado State Ted Kowalski, Walton Foundation John Fleck, Univ. New Mexico Sharon Megdal, Univ. Arizona Neha Gupta, Univ. Arizona Laura Kaatz, Denver Water</p> <p>Discussion *Moderated by Eric Kuhn, Colorado River Water Conservation District, retired</p>	S107
12:00	ADJOURN Bagged lunches available	S107