

TWO NATIONS ONE WATER

US-MEXICO BORDER WATER SUMMIT 2019

Adaptive Water Strategies for Managing Drought at the Triple Point of New Mexico, Texas, and Chihuahua

PRELIMINARY AGENDA (2/19/19)

Tuesday, April 23

1:00 – 5:30 pm

Field trip to the U.S. Bureau of Reclamation's Brackish Groundwater National Desalination Research Facility (BGNDRF) in Alamogordo, NM
Depart Farm & Ranch Heritage Museum, 4100 Dripping Springs Rd, Las Cruces, NM 88011

Student Poster Set-Up, Tortugas Room at New Mexico Farm & Ranch Heritage Museum

Wednesday, April 24

7:00 – 8:00 am

REGISTRATION AND CONTINENTAL BREAKFAST

GOLD Sponsorship Opportunity

8:00 – 8:15 am

Welcome to US-Mexico Border Water Summit 2019

Ed Archuleta, The University of Texas at El Paso

8:15 – 8:25 am

Congressional Statements via Video

Congresswoman Xochitl Torres-Small, New Mexico 2nd District (invited)

Congresswoman Veronica Escobar, Texas 16th District (invited)

8:25 – 8:40 am

Keynote: How Climate Change is Affecting the Rio Grande

David Gutzler, University of New Mexico

8:40 – 8:55 am

Water Resources Management in a Redefined Climate

Dagmar Llewellyn, U.S. Bureau of Reclamation

9:00 – 10:15 am

Panel Discussion: UNDERSTANDING TRANSBOUNDARY AQUIFERS FOR IMPROVED WATER MANAGEMENT

Moderator: John Tracy, Texas Water Resources Institute

Panelists: KC Carroll, New Mexico State University
Zhuping Sheng, Texas A&M AgriLife Research Center at El Paso
J. Phillip King, New Mexico State University
Andrew Teeple, U.S. Geological Survey
Mario Lopez, Instituto Mexicano de Tecnología (invited)

10:15 – 10:45 am

NETWORKING BREAK

Hosted by El Paso Water

10:45 – 12:00 pm

Panel Discussion: INNOVATIVE TECHNOLOGIES FOR ALTERNATIVE WATER SUPPLIES

Moderator: Pei Xu, New Mexico State University

Reinventing the Nation's Urban Water Infrastructure (ReNUWit)

Nirmala Khandan, New Mexico State University

Nanotechnology Enabled Water Treatment (NEWT)

Shane Walker, The University of Texas at El Paso

Water Purification Project in El Paso

Sanaan Villalobos, Carollo Engineers

Alternative Water Supplies for the Rio Grande

Sam Fernald, New Mexico Water Resources Research Institute

New Approaches to Water Sources

Gary Esslinger, Elephant Butte Irrigation District

Wednesday, April 24 (cont.)

- 12:00 – 1:15 pm **LUNCHEON with KEYNOTES** (Tortugas Room)
Hosted by TAMU AgriLife and Texas Water Resources Institute
- Introductions:** Sam Fernald, New Mexico Water Resources Research Institute
Luis Cifuentes, Vice President for Research, New Mexico State University
- Mike Hightower**, University of New Mexico and NM Desalination Association
- 1:30 – 3:00 pm **Panel Discussion: LEARNING FROM EXPERIENCES THROUGHOUT THE WEST**
Moderator: Ed Archuleta, The University of Texas El Paso
Title tbd
John Balliew, El Paso Water
Title tbd
Jeff Biggs, Tucson Water
Alamogordo Desalination Project
Robert Fowlie, CDM Smith
Title tbd
Manuel Herrera, Junta Municipal de Agua y Saneamiento, Ciudad Juárez (invited)
- 3:00 – 3:30 pm **NETWORKING BREAK**
Hosted by El Paso Water
- 3:30 – 5:00 pm **Panel Discussion: RECOGNIZING AND EMBRACING ONE WATER**
Shane Walker, The University of Texas at El Paso
William Hargrove, The University of Texas at El Paso
Deana Pennington, The University of Texas at El Paso
- 5:00 – 7:00 pm **STUDENT POSTER SESSION** (Tortugas Room)
Hosted by CDM SMITH
- 5:00 – 7:00 pm **CONFERENCE RECEPTION** (Tortugas Room)
Hosted by One Water, UTEP

Thursday, April 25

- 7:30 – 8:30 am **REGISTRATION AND CONTINENTAL BREAKFAST**
GOLD Sponsorship Opportunity
- 8:30 – 9:00 am **Introduction:** Gilbert Anaya, International Boundary and Water Commission
Keynote: Water Management Along the U.S.-Mexico Border
Jayne Harkins, International Boundary and Water Commissioner
- 9:00 – 10:15 am **Panel Discussion: WATER POLICY TO ADDRESS CHANGE**
Moderator: J. Phillip King, New Mexico State University
Federal Water Quality Programs
Yuliana Porrás Mendoza, U.S. Bureau of Reclamation
Title tbd
Kristina D. Mena, The University of Texas Health Science Center
Title tbd
Wendy Jepson, Texas A&M University, College Station
Performance Contracting for Advanced Water Metering
Jorge Garcia, Las Cruces Utilities
Title tbd
Gabriel Eckstein, Texas A&M University, Ft Worth

Thursday, April 25 (cont.)

- 10:15 – 10:45 am **NETWORKING BREAK**
Hosted by El Paso Water
- 10:45am – 12:00 pm **Panel Discussion: SALINITY MANAGEMENT**
Moderator: William Hargrove, The University of Texas at El Paso
Agricultural Perspective
Girisha Ganjgunte, Texas A&M AgriLife Research Center at El Paso
Title tbd
Lin Ma, The University of Texas at El Paso
Salt Tolerant Crops
Manoj Shukla, New Mexico State University
Produced Water Quality and Beneficial Use Potential in the Permian Basin
Mark Engle, U.S. Geological Survey
Full Salts Recovery from Concentrate
Paul Wallace, Enviro Water Minerals
- 12:00 – 1:30 pm **LUNCHEON with KEYNOTES**
Hosted by Las Cruces Utilities
- Introductions:** Sam Fernald, New Mexico Water Resources Research Institute
John D'Antonio, New Mexico State Engineer (invited)
Pat Gordon, Rio Grande Compact Commissioner (invited)
- 1:30 – 1:45 pm **NETWORKING BREAK**
Hosted by El Paso Water
- 1:45 - 3:45 **BREAKOUT GROUP DISCUSSIONS**
Moderator: Conrad Keyes, NMSU Professor Emeritus and Paso del Norte Watershed Council
- Discussion Topics (please choose when registering for conference)
- A. What are the policy and management differences for drought vs aridification?**
Moderator: Gilbert Anaya, International Boundary and Water Commission
- B. How can we share more transboundary information and data?**
Moderator: Dagmar Llewellyn, U.S. Bureau of Reclamation
- C. How can we better utilize climate data?**
Moderator: David Dubois, New Mexico State University
- D. How should we address salinity issues in water and soil?**
Moderator: Manoj Shukla, New Mexico State University
- E. How can we overcome barriers to implementation of new technologies?**
Moderator: Malynda Cappelle, The University of Texas at El Paso
- F. How do we improve public education/engagement on water conservation, reuse, and desalination issues?**
Moderator: Lisa Rosendorf, El Paso Water
- G. Is there interest in re-establishing a New Mexico-Texas Water Commission?**
Moderator: Adrienne Widmer, Las Cruces Utilities
- H. What is the public perception to One Water?**
Moderator: Shane Walker, The University of Texas at El Paso
- 3:45 – 4:00 pm **CLOSING REMARKS**
Sam Fernald, New Mexico Water Resources Research Institute

Please note: Agenda sessions, speakers, moderators, times, and dates are subject to change.