

TWO NATIONS ONE WATER

US-MEXICO BORDER WATER SUMMIT

Exploring innovative water strategies to meet future municipal water needs

March 1-2, 2018
El Paso Water Tech₂O Center
El Paso, Texas

Hosted by



In cooperation with International Boundary and Water Commission, North American Development Bank, and U.S. Bureau of Reclamation

Conference Agenda

Wednesday, February 28

1:00 - 5:00 PM

Field trip to the U.S. Bureau of Reclamation's Brackish Groundwater National Desalination Research Facility in Alamogordo, NM
Depart from Wyndham Hotel, 6789 Boeing Dr. (79925)
Field trip fee: \$35.00; students free

Thursday, March 1

7:30 - 8:30 AM

REGISTRATION & CONTINENTAL BREAKFAST
Hosted by Parkhill Smith & Cooper

8:30 - 8:45 AM

Welcome and Opening Remarks

Edmund Archuleta, Director of Water Initiatives, University of Texas at El Paso
John Balliew, P.E., President & CEO, El Paso Water
Roberto Salmon, Commissioner, IBWC-Mexico

8:45 - 9:00 AM

Managing the Complete Cycle of Water

Alex Hinojosa, Managing Director, NADBANK

9:00 - 10:45 AM

Our Dynamic and Changing Border

Keynote: Theresa Maldonado, Ph.D., University of Texas at El Paso
Moderator: Alex Hinojosa, Managing Director, NADBANK

Effects of Climate Change on US-Mexico Border Water Supply

Gregg Garfin, Ph.D., University of Arizona

Drought and the Rio Grande

David Gutzler, Ph.D., University of New Mexico

Transboundary Aquifer Management at the Paso del Norte

Alfredo Granados Olivas, Ciudad Juárez

The Transboundary Aquifer Assessment Program: Past, Present, and Future

Jacob Petersen-Perlman, Ph.D., University of Arizona

USDA Study on Water Supply Challenges along the Border

Bill Hargrove, Ph.D., University of Texas at El Paso

10:45 - 11:15 AM

NETWORKING BREAK hosted by Cobb Fendley

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11:15 AM - 12:30 PM

Colorado River Agreement - Minute 323

Moderator: Sally Spener, IBWC Foreign Affairs Secretary

U.S. Perspective

Ed Drusina, IBWC US Commissioner

Mexico Perspective

Roberto Salmon, IBWC Mexico Commissioner

NGO Involvement in the Process

Jennifer Pitt, Audubon Society

Importance of Minute 323

Carlos de la Parra, University of Baja California, Mexico and delegate to Agreement negotiations

Federal Government Perspective

Representative of Mexico's Comisión Nacional del Agua (CONAGUA)

12:30 - 2:30 PM

LUNCH & DESALINATION PLANT TOURS

hosted by Borderplex Alliance

DESSERT & COFFEE TABLE

hosted by CSA Design Group

2:30 - 4:00 PM

Desalination and Groundwater Management on the Border

Moderator: Michael Hightower, University of New Mexico

Water Infrastructure: Innovative Environmental and Energy Technologies

Michael Hightower, University of New Mexico

Assessing the Potential for Desalination of Brackish Water for Municipal and Industrial Supply

Pei Xu, Ph.D., New Mexico State University

Brownsville Seawater Desalination Pilot Plant Study

Judy Adams, Brownsville Public Utilities Board

Groundwater Modeling of the Hueco Bolson

Bill Hutchison, Ph.D., Independent Consultant

Rosarito Desalination Plant, Playas de Rosarito, B.C.

Arq. German Lizola Marquez, Director, State Water Commission, B.C.

5:30 PM

COCKTAIL RECEPTION AT THE WYNDHAM HOTEL

Hosted by Accelerate H2O, Brown and Caldwell, Carollo, CDM Smith, Freese and Nichols and Tank Industry Consultants

Friday, March 2

8:00 - 8:30 AM

CONTINENTAL BREAKFAST hosted by Huitt-Zollars

8:30 - 9:45 AM

Water Reuse and Management Strategies

Keynote & Moderator: The Future of Potable Reuse to Meet Water Needs

Ellen McDonald, Ph.D., P.E., Alan Plummer & Associates

9:45 - 10:45 AM

Advanced Water Purification at El Paso Water

Gilbert Trejo, P.E., El Paso Water

Water Reuse in Texas

Eva Steinle Darling, Ph.D., P.E., Carollo and Texas WaterReuse

Mexico Water Reuse Projects

Manuel Herrera Mercado, Technical Director, Ciudad Juarez
Municipal Utility

Water Reuse in Arizona

Jeff Biggs, Tucson Water

Water Resource Management in Changing Times

Moderator: Scott Reinert, P.E., El Paso Water

Evaluating the Dynamics of the Mesilla Bolson Aquifer through Remote Sensing and Ground Level Measurements

Zohrab Samani, Ph.D., P.E., New Mexico State University

Implications of Precipitation Uncertainties to Water Resources in the Transboundary Santa Cruz Basin

Elia Tapia, University of Arizona

Hydrogeologic Framework of the Transboundary Mesilla Basin

John Hawley, N.M. Bureau of Geology & Mineral Resources

10:45 - 11:15 AM

NETWORKING BREAK hosted by Moreno Cardenas

11:15 AM - 12:30 PM

Innovative Water Research and Technologies

Moderator: Edmund Archuleta, Director of Water Initiatives,
University of Texas at El Paso

Development of membranes for the desalination process of Membrane Distillation

Lucy Camacho, Ph.D., Texas A&M University, Kingsville

Zero Discharge Desalination - Inland Desalination Research

Malynda Cappelle, University of Texas at El Paso

Innovations in Reuse of Brine Concentrate Management

Paul Wallace, Enviro Water Minerals

Cross-Border Technology Demonstration & Showcase Opportunities

Richard Seline, Accelerate H2O

USBR's Brackish Groundwater National Desalination Research Facility

Randy Shaw, P.E., U.S. Bureau of Reclamation

12:30 PM

Closing Remarks and Box Lunches

Edmund Archuleta, Director of Water Initiatives, University of Texas
at El Paso

John Balliew, P.E., President & CEO, El Paso Water

Ed Drusina, Commissioner, IBWC-United States

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