



WateReuse Texas CONFERENCE

SEPTEMBER 20-22 | FRISCO

CONFERENCE PROGRAM



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#WRTX2023



WATERREUSE
TEXAS

GENERAL INFORMATION

EXHIBITOR TABLE HOURS

THURSDAY, SEPTEMBER 21

7:30 am – 4:30 pm

FRIDAY, SEPTEMBER 22

7:30 am – 11:30 am

WELCOME RECEPTION

Wednesday, September 20 | 5:00 pm – 6:30 pm | Fourth Floor Lawn



Join our sponsors, exhibitors, and your fellow attendees on the fourth floor lawn as we kick off this year's conference.

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TOUR: STAR & FORD CENTER, HOME OF THE DALLAS COWBOYS

Wednesday, September 20 | 1:00 pm – 3:30 pm



Participants will hear a presentation from the City of Frisco's Assistant Director of Public Works, Kevin Grant, and then go behind the scenes and explore a day in the life of a Dallas Cowboys player, viewing areas where reuse water is used at the facility.

There will be time after the tour to stop at the Miller Light House and/or the Cowboys Pro Shop to grab team gear, as well as access to a concierge and refreshments. Feel free to bring footballs to throw around during field time.

GENERAL INFORMATION



CONFERENCE WI-FI

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Stay connected at the WaterReuse Texas Conference thanks to Freese and Nichols, the official Conference Wi-Fi Sponsor.



Conference Network: Hyatt_Meeting

Password: Reuse23

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[#WRTX2023](https://www.linkedin.com/company/watereuse-texas)

CONTINUING EDUCATION UNITS

The WaterReuse Texas Annual Conference is pleased to offer Continuing Education Units (CEUs) and Professional Development Hours for all states.

How Many Educational Credits Can I Earn at the Texas Annual Conference?

By attending all sessions, you can earn up to 15 CEUs through TCEQ, pending approval.

When Will I Receive Credits for the Texas Annual Conference?

Certificates will be made available to participants electronically within 8-10 weeks after the Conference. Please keep in mind that, although WaterReuse does provide these files, most states will require the individual licensee to report continuing education credits.

General Information

Terminology and education credit requirements and restrictions vary widely. All participants are responsible for checking with their license/certification authority to ensure that the WaterReuse technical concurrent sessions meet specific requirements. Please contact lgutierrez@watereuse.org with questions about WRTX provided certificates.

SPEAKERS

THURSDAY, SEPTEMBER 21

WELCOME REMARKS

DAVID SLOAN

President, WateReuse Texas

David Sloan is a senior treatment technologist and Associate with Freese and Nichols, Inc. in Austin. He has 40 years' experience in the field of water and wastewater treatment and over 25 years' experience in water reuse. David's experience includes evaluation, planning, and design of potable and non-potable reuse facilities, including CRWMD's Raw Water Production Facility in Big Spring. David is a board-certified environmental engineer and serves as the current President for WateReuse Texas.

PATRICIA SINICROPI

Executive Director, WateReuse Association

Patricia Sinicropi is the Executive Director of the WateReuse Association, an organization that advocates for laws, policy, and funding to increase water reuse and develops technical education and communications tools to support water reuse practitioners. Patricia Sinicropi has over two decades of experience as a policy expert and advocate on water-related issues in Washington, DC. Prior to joining the WateReuse Association, she served as Senior Legislative Director for the National Association of Clean Water Agencies (NACWA) and as Legislative Counsel to the Water Environment Federation (WEF). Prior to joining WEF, Pat represented the Rural Community Assistance Partnership (RCAP), an organization providing technical assistance to small, rural communities on drinking water and wastewater infrastructure needs. She also served in the Clinton Administration as Deputy Director at the President's Council on Sustainable Development for the National Town Meeting on Sustainable America and as Special Advisor on Livable Communities to Deputy Secretary of the U.S. Department of Agriculture.



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Alternative water supplies, including water reuse, are vital to the growth and success of Texas. Garver is committed to providing the expertise and support needed to promote the stewardship of water through education, advocacy, and research.

SPEAKERS

JEFF CHENEY

City of Frisco Mayor

Native Texan Jeff Cheney was elected Mayor of Frisco, Texas, in May 2017 and again in November 2020. Previously, he served on Frisco City Council from 2007 to 2016. Since Mayor Cheney has taken office, Frisco has been recognized as: #1 Safest City in America (SmartAsset, 2022 and again in 2023); #1 Fastest Growing City in the U.S. over the last decade (U.S. Census Bureau, 2020); #1 Most Recession-Resistant City (SmartAsset, 2020); #1 City for Highest Job Growth (WalletHub, 2019); and #1 Best Place to Live in America (Money Magazine, 2018). Mayor Cheney attended the University of Texas-Austin where he was recognized with Highest Honors for his Bachelors and Masters in Accounting. Professionally, Mayor Cheney has earned the distinctions of Certified Public Accountant and Registered Financial Advisor.

KEYNOTE SPEAKER

DR. ROBERT MACE

The Meadows Center for Water and the Environment

Robert Mace is the Executive Director and Chief Water Policy Officer of The Meadows Center for Water and the Environment and a Professor of Practice in the Department of Geography and Environmental Studies at Texas State University. Robert has over 30 years of experience in hydrology, hydrogeology, stakeholder processes, and water policy. Robert has a B.S. in Geophysics and an M.S. in Hydrology from the New Mexico Institute of Mining and Technology and a Ph.D. in Hydrogeology from The University of Texas at Austin.

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SPEAKERS

FUNDING REUSE PANELISTS

JORIANNE JERNBERG

Environmental Protection Agency

Jorianne Jernberg is the director of the WIFIA Management Division. In this capacity, she is spearheading the implementation of a Federal infrastructure bank at EPA—overseeing the origination, underwriting, negotiation, and monitoring of water, wastewater, and stormwater projects around the country. Prior to joining EPA, Jorianne served as the head of risk management and financial operations at the TIFIA program within the Department of Transportation where she was responsible for a team conducting a wide range of financial, programmatic, and credit functions.

L'OREAL STEPNEY

Texas Water Development Board

Governor Greg Abbott appointed L'Oreal Stepney, P.E., as a Board member of the Texas Water Development Board in December 2022 for a term beginning January 1, 2023. She was reappointed on February 3, 2023, for a term set to expire February 1, 2029. Ms. Stepney was previously the Deputy Executive Director of the Texas Commission on Environmental Quality (TCEQ), serving as the Chief Operating Officer for the agency. Director Stepney received a Bachelor of Science in aerospace engineering and a Master of Science in civil engineering from the University of Texas at Austin. She is a Registered Professional Engineer.

MARIBETH MENENDEZ

Bureau of Reclamation

Maribeth has worked for the Bureau of Reclamation in the Water Resources and Planning Office since 2018, where she coordinates the Title XVI Water Reclamation and Reuse Program under WaterSMART. Through programs under WaterSMART, Reclamation provides cost-shared competitively awarded grants for states, tribes, and local entities to make system improvements or complete other activities that increase water supply or improve water management. Maribeth has a Master's in Public Policy from the University of Minnesota Humphrey School of Public Affairs.



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CONFERENCE SCHEDULE

WEDNESDAY, SEPTEMBER 20

12:30 pm –
5:30 pm

REGISTRATION OPEN – THIRD FLOOR FOYER

1:00 pm –
1:30 pm

**WORKSHOP:
REUSE 101 BOOT CAMP**

CHESTNUT ROOM

What Is Water Reuse?
David Sloan,
Freese & Nichols

Determining the Need
Samir Mathur,
CDM Smith

Making the Case
Daniel Nix,
City of Wichita Falls

Paying for Reuse
Yuliana Mendoza,
Garver

Regulations for Reuse
Brigit Buff,
Plummer

Building Public Support
Christina Montoya-Halter,
El Paso Water

FORD CENTER REUSE TOUR
(\$45 PER PERSON)

MARIGOLD ROOM

Presentation by Kevin Grant,
City of Frisco

Presentation followed by
transportation to Ford Center via
van for a 75-minute reuse tour.
Attendees will arrive back at the
hotel around 3:30.

1:30 pm –
4:30 pm

**WORKSHOP:
REUSE RESEARCH
PRIORITIZATION**

MARIGOLD ROOM

*Paving the Way for More
Reuse in Texas*

Moderator:
Dr. Ellen McDonald, Plummer

Water Research Foundation
Representative: *Miriam Hacker*

Texas academics and researchers
will gather to discuss and determine
reuse-related research priorities for
the coming years. These priorities
will help increase reuse in Texas
and identify where to focus WRTX
advocacy, funding, and collaboration
efforts. The goal of this project is to
develop an updated priority list
similar to the 2011 list from the
Texas Water Development Board
project, Advancing Water Reuse
in Texas.

5:00 pm –
6:30 pm

WELCOME RECEPTION – FOURTH FLOOR LAWN
Refreshments and light snacks provided, cash bar
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CONFERENCE SCHEDULE

THURSDAY, SEPTEMBER 21

7:30 am – 11:30 am	REGISTRATION OPEN – JUNIPER BALLROOM FOYER		
8:00 am – 9:00 am	OPENING SESSION – JUNIPER BALLROOM OPENING REMARKS: <ul style="list-style-type: none"> • David Sloan, Freese & Nichols; President, WateReuse Texas • Pat Sinicropi, Executive Director, WateReuse Association • Jeff Cheney, Mayor, City of Frisco • Noelle George, Managing Director, WateReuse Texas KEYNOTE SPEAKER: Dr. Robert Mace, The Meadows Center for Water and the Environment		
9:00 am – 9:30 am	BREAK: NETWORKING & VISIT EXHIBITOR TABLES		
	BREAKOUT TRACK 1: RESEARCH JUNIPER A	BREAKOUT TRACK 2: CASE STUDIES JUNIPER B	BREAKOUT TRACK 3: REGULATORY JUNIPER C
9:30 am – 10:00 am	Photobiological Process Enhances Water Recovery at Potable Reuse Facilities <i>Dr. Keisuke Ikehata, Texas State University</i>	Evaluation of Reuse in Wichita Falls – DPR & IPR <i>Hunter Adams, City of Wichita Falls</i>	TCEQ Water Quality Group Update: SB 1289, 217, 210, & More <i>Paul Brochi and Louis Herrin, TCEQ</i>
10:00 am – 10:30 am	Understanding Impacts of WW Performance on Advanced Treatment for Potable Reuse (WRF 4833) <i>Dr. Eva Steinle-Darling, Carollo</i>	Utility Perspectives on Innovative Water Reuse in Central Texas Moderator: <i>Ian Toohey, Garver</i> Panelists: <i>Katherine Jashinski, City of Austin</i> <i>Rick Coronado, City of Hutto</i> <i>Brandon Pritchett, City of Pflugerville</i>	Making Onsite Reuse Possible: Codes & Standards to Help Jurisdictions Meet Their Reuse Goals <i>Sal Aridi, IAPMO</i>
10:30 am – 11:00 am	Priority Contaminant Removal by Common Stormwater Management Systems <i>Dr. Danny Reible, Texas Tech University</i>		Source Water Characterization for IPR/DPR – What's the Right Answer? <i>Dr. Greta Zornes, CDM Smith</i>

CONFERENCE SCHEDULE

THURSDAY, SEPTEMBER 21 (CONTINUED)

11:00 am –
11:30 am

BREAK: NETWORKING & VISIT EXHIBITOR TABLES

11:30 am –
1:00 pm

AWARDS LUNCHEON – JUNIPER BALLROOM

PANEL DISCUSSION: TEXAS REUSE EXPERTS – UTILITIES WHO HAVE LONG-TERM REUSE PROGRAMS

MODERATOR: Pat Sinicropi, WaterReuse Association

PANELISTS:

- Katherine Jashinski, City of Austin
- Mark Vega, City of McAllen
- Daniel Nix, City of Wichita Falls
- Irazema Rojas, El Paso Water
- Pablo Martinez, San Antonio Water Systems (SAWS)

1:00 pm –
1:30 pm

BREAK: NETWORKING & VISIT EXHIBITOR TABLES

**TECHNICAL
TRACK 1:
TREATMENT**

JUNIPER A

**TECHNICAL
TRACK 2:
REGULATORY**

JUNIPER B

**TECHNICAL
TRACK 3:
CASE STUDIES**

JUNIPER C

1:30 pm –
2:00 pm

Use & Benefits of
GAC Adsorption in
Potable Reuse
Applications
*Dr. Zaid Chowdhury,
Garver*

Navigating the TCEO's
New DPR Guidelines:
How It All Started &
What Do We Do Now?
Moderator:
*Dr. Eva Steinle-Darling,
Carollo*

Water Reuse or Desal:
Same H2O Molecule,
Different Purposes
*Ruben Rosales,
City of Pharr*
*Jorge A. Arroyo,
Freese & Nichols*

2:00 pm –
2:30 pm

Addressing Low
Molecular Compounds
in DPR Projects
*Dr. Ufuk Erdal,
Arcadis*

Panelists:
*Dr. Ellen McDonald,
Plummer*
*Daniel Nix,
City of Wichita Falls*
*Yadhira Resendez,
Texas Commission on
Environmental Quality*

Growing Pains in
Marble Falls, Texas:
Is One Water the
Answer?
*Quentin Guile,
Plummer*

2:30 pm –
3:00 pm

Role of Water
Reclamation Facilities
in Managing PFAS
*Dr. Vijay Sundaram,
AECOM*

Produced Water
Consortium Update
*Dr. Danny Reible,
Texas Tech University*

DPR in El Paso –
Bridging Drinking
Water & Wastewater
*Angel Bustamante,
El Paso Water*

CONFERENCE SCHEDULE

THURSDAY, SEPTEMBER 21 (CONTINUED)

3:00 pm –
3:30 pm

BREAK: NETWORKING & VISIT EXHIBITOR TABLES

3:30 pm –
4:30 pm

FUNDING REUSE PANEL DISCUSSION – JUNIPER BALLROOM

MODERATOR: Yuliana Mendoza, Garver

PANELISTS:

- Jorianne Jernberg, Environmental Protection Agency
- L'Oreal Stepney, Texas Water Development Board
- Maribeth Menendez, Bureau of Reclamation

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CONFERENCE SCHEDULE

FRIDAY, SEPTEMBER 22

8:00 am –
9:30 am

PLENARY SESSION – JUNIPER BALLROOM

PANEL DISCUSSION: MBRS FOR WATER REUSE – THE TEXAS EXPERIENCE

MODERATOR: Anthony Zamarro, CDM Smith

PANELISTS:

- Brian Codianne, Kubota Membranes
- Dennis Livingston, MMBR Systems
- Ashwini Khare, Ovivo
- Grant MacInnis, Veolia Water

OPERATORS:

Jonathan Dale, Abilene; Ryan Lauck, Liberty Hill; and Frank Isola, Trophy Club

9:30 am –
10:00 am

BREAK: NETWORKING & VISIT EXHIBITOR TABLES

**BREAKOUT
TRACK 1:
TECHNOLOGY &
OPERATIONS**
JUNIPER A

**BREAKOUT
TRACK 2:
COMMUNICATIONS
& PLANNING**
JUNIPER B

**BREAKOUT
TRACK 3:
CASE STUDIES**
JUNIPER C

10:00 am –
10:30 am

Techno-Economic
Analysis for Potable
Reuse for RO &
Non-RO Trains
*Dr. Sara Arabi,
Stantec*

Building Trust with
Your Community:
Talking Reuse
Moderator:
*Christina Montoya-
Halter, City of El Paso*

Advanced Water
Purification & Potable
Reuse Pilot Studies in
Central Texas
*Dr. Keisuke Ikehata,
Texas State University*

10:30 am –
11:00 am

Insights from 6-Year
Operation of a
Petrochemical Effluent
Recycling Plant
*Keren Nof,
GES*

Panelists:
*Kathleen Vaught,
North Texas Municipal
Water District*
*Anne Hayden, San
Antonio Water Systems*
*Mary Gugliuzza,
Fort Worth Water*

Austin Water's
OSCAR & CLARA
Case Study
*Robert Stefani,
City of Austin*

11:00 am –
11:30 am

AI/ML Applications
in the Water Industry
During the Climate
Change Era
*Dr. Farshid
Shoushtarian,
Yokogawa*

Water Reuse
Master Planning:
Case Study for
Georgetown, Texas
*Andrea Tom,
CDM Smith*
*Jenny Bywater,
CDM Smith*

Harnessing Sustainable
Water for Weatherford
with Indirect
Potable Reuse
*Bill Smith,
City of Weatherford*
*Ryan Opgenorth and
Allison Hage, P.E.,
Freese & Nichols*



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RECOGNITION

WATEREUSE TEXAS AWARDS

"ED" ARCHULETA AWARD

The Archuleta Award was created in 2013 and recognizes water reuse leaders who have made outstanding contributions in the field of water reuse within the State of Texas. Awardees have played a significant role in shaping reuse in Texas and have had a lasting impact on the water reuse community and industry in Texas.

REUSE IMPACT AWARD

The Reuse Impact Award recognizes individuals, projects, facilities, or organizations that have made significant contributions to increase water reuse in Texas over the last three years (2020-23).

VANDERTULIP BEST PRESENTATION AWARD

Established in 2019, the Vandertulip Best Presentation Award is in honor of Don Vandertulip. Vandertulip was a founding member of WateReuse Texas, President from 2008-2010, and has been the technical program chair of our annual conference and seminar programs over many years. The best presentation award will be selected by the community in the post-conference survey.

WATEREUSE TEXAS BOARD MEMBERS

David Sloan, Freese & Nichols (President)
Christina Montoya-Halter, El Paso Water (Vice-President)
Shela Chowdhury, North Texas MWD (Secretary/Treasurer)
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PROGRAM COMMITTEE CHAIR

Andrea Tom, CDM Smith

CONFERENCE COMMITTEE

David Sloan, Freese & Nichols, WRTX President

Shela Chowdhury, North Texas MWD, WRTX Secretary/Treasurer

Shannon Dunne, Fort Worth Water, WRTX Trustee & Chair of Sponsorships & Exhibitors

AWARDS COMMITTEE

Daniel Nix, City of Wichita Falls, 2015 Archuleta Award Winner

David Sloan, Freese & Nichols, WRTX President, 2016 Archuleta Award Winner

Ellen McDonald, Plummer, 2018 Archuleta Award Winner



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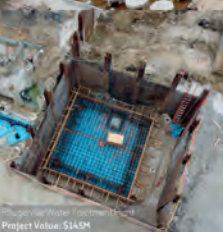
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Project Value - \$192 Million

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Georgetown Water Treatment Plant
Project Value - \$175M



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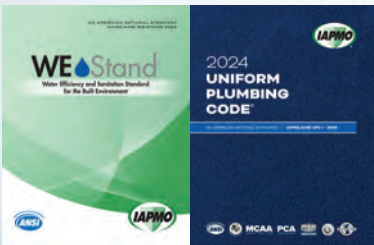
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WATEREUSE[®]

UPCOMING EVENTS

MARCH 11-14, 2024

Annual WaterReuse Symposium
Hilton Denver City Center
Denver, Colorado

WEEK OF SEPTEMBER 9, 2024

Annual WaterReuse Texas Conference
Permitting Development Center
Austin, Texas

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