



Attendee Brochure

Texas Water 2018™

April 23 – 26, 2018

Henry B. González Convention Center



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Explore San Antonio at Texas Water!



Don't miss out on the chance to join the Texas Water Community to celebrate our 23rd year as the Largest Regional Water Conference in the U.S.®!

Volunteers for Texas Water 2018™ have been putting in long hours so that your experience in San Antonio is educational, historic and fun! The technical sessions, carefully crafted by a strong technical program committee, will provide the information to make your work easier. The Henry B. González Convention Center Exhibit Hall invites you to learn about new

tools and technology that solve problems — some you know you have and some you may not have discovered yet. Don't forget to stop by and see the competitions, or sign up if you dare!

After learning and networking, it is time to have fun at Wednesday's Conference Night-Out at the Briscoe Western Art Museum. We look forward to seeing you in San Antonio for Texas Water 2018™!

Alissa Lockett

Texas Water Co-Chair

Water Environment Association of Texas

Marisa Vergara

Texas Water Co-Chair

Texas Section American Water Works Association

Full registration is your best value for Texas Water 2018™. With full registration, you receive:

- access to all technical sessions
- full access to the Exhibit Hall
- tickets to the Awards Lunch, the Awards Breakfast, the Box Lunch, and the Wednesday evening Night-Out event

Non-member full registration includes a free* one-year membership in either **WEF** or **AWWA**.

Tickets for the Awards Breakfast, Facility Tours, Lunches, Conference Night-Out Event, Gloyna Breakfast and the Guest Program are also available for purchase.

**New members only, not for membership renewals*

**REGISTER ONLINE AT
www.txwater.org**

The easiest way to register is online at www.txwater.org.

You may also register by mail to
Texas Water c/o
GCP Association Services
PO Box 676
Pflugerville, TX 78691
or by fax to 512-251-8152

**Deadline for discounted
early registration is
April 2, 2018**

After April 16, 2018, you must register onsite.

TENTATIVE CONFERENCE SCHEDULE

NOTE: All events are at the Henry B. González Convention Center, 900 E Market St, San Antonio, unless otherwise noted. Schedule is subject to change. For the most up-to-date listing, go to www.txwater.org.

MONDAY, APRIL 23

7:00 am	Golf Tournament • Brackenridge Park
8:00 am–12:00 pm	Curtis Smalley Environmental Event
8:00 am–3:00 pm	Exhibitor Move-In • Exhibit Hall
2:00 pm–5:00 pm	WEAT Annual Board Meeting • Hyatt Hotel
2:00 pm–5:00 pm	TAWWA Annual Board Meeting • Hyatt Hotel
4:30 pm–7:00 pm	Registration • Convention Center Lobby
5:00 pm–6:00 pm	WEAT Ops Challenge Pre-Meeting
5:00 pm–7:00 pm	Meet & Greet • Exhibit Hall

TUESDAY, APRIL 24

6:30 am	Dodson's Drive Fun Run
8:00 am–5:00 pm	Registration • Convention Center Lobby
8:00 am–5:00 pm	Speaker Ready Room
8:30 am–9:30 am	WEAT Process Control Event
8:30 am–11:30 am	WEAT Student Design Competition
8:30 am–3:30 pm	Guest Program • Hyatt Hotel
	PREREGISTRATION REQUIRED
9:00 am–10:00 am	Opening Session
9:45 am–2:45 pm	WEAT Laboratory Event & Exhibition Event Exhibit Hall
10:00 am–10:30 am	TAWWA Business Meeting
10:00 am–11:00 am	Beverage Break • Exhibit Hall
10:00 am–5:00 pm	Exhibits Open • Exhibit Hall
10:00 am–5:00 pm	Water For People Silent Auction
11:30 am–1:00 pm	Awards Lunch
	TICKET REQUIRED
1:00 pm–1:15 pm	WEAT Business Meeting
1:00 pm–1:30 pm	Meter Madness Pre-Competition Meeting • Exhibit Hall
1:00 pm–4:30 pm	Meter Madness (Jr. Meter Madness 1 pm) • Exhibit Hall
1:00 pm–5:00 pm	Water System Workshop
1:30 pm–3:00 pm	Technical Sessions/Posters
1:30 pm–5:00 pm	University Forum
3:00 pm–3:30 pm	Networking Break • Exhibit Hall
3:00 pm–3:30 pm	Door Prize Drawings • Exhibit Hall
3:30 pm–5:00 pm	Technical Sessions
3:30 pm–5:00 pm	Texas Shoot-Out • Exhibit Hall
5:00 pm	Exhibit Hall Closes For Day
5:00 pm–6:00 pm	Young Professionals & Student Reception/ Mentoring Program Networking Event

WEDNESDAY, APRIL 25

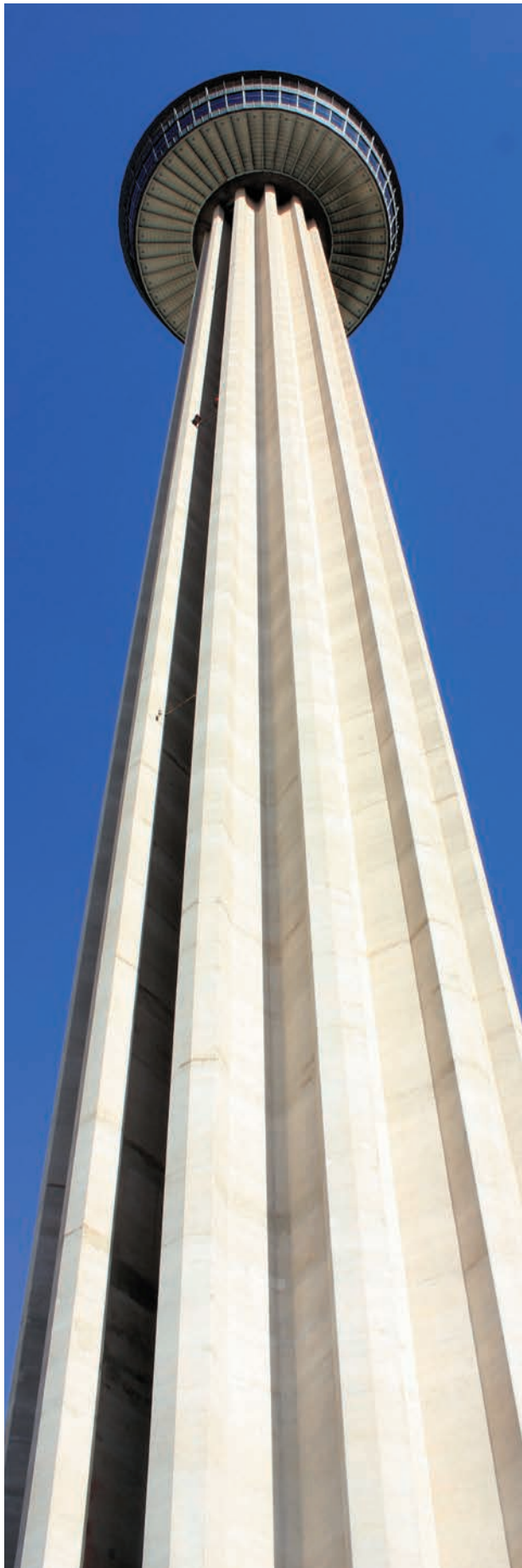
7:00 am–5:00 pm	Registration • Convention Center Lobby
7:15 am–9:00 am	Awards Breakfast
	TICKET REQUIRED
8:30 am–3:30 pm	Guest Program • Hyatt Hotel
	PREREGISTRATION REQUIRED

9:00 am–9:30 am	TAWWA Top Ops Pre-Competition Meeting • Exhibit Hall
9:00 am–9:30 am	TAWWA Pipe Tapping Pre-Competition Meeting • Exhibit Hall
9:00 am–9:30 am	TAWWA Hydrant Hysteria Pre-Competition Meeting • Exhibit Hall
9:00 am–10:00 am	Beverage Break • Exhibit Hall
9:00 am–1:15 pm	Water For People Silent Auction
9:00 am–2:45 pm	WEAT Ops Challenge • Exhibit Hall
9:00 am–4:00 pm	Exhibits Open • Exhibit Hall
9:00 am–5:00 pm	Speaker Ready Room
9:30 am–11:00 am	Professional Ethics Workshop for Engineers
9:30 am–Noon	Technical Sessions/Posters
9:30 am–1:30 pm	TAWWA Top Ops Competition • Exhibit Hall
9:30 am–2:00 pm	TAWWA Pipe Tapping Competition Exhibit Hall
9:30 am–4:00 pm	Hydrant Hysteria • Exhibit Hall
9:30 am–5:00 pm	Young Professionals Session
Noon–1:00 pm	Box Lunch • Exhibit Hall
	TICKET REQUIRED
Noon–1:00 pm	Women of Texas Water Lunch
	TICKET REQUIRED
1:15 pm–3:15 pm	Technical Sessions/Posters
1:45 pm–3:30 pm	TAWWA Best-Tasting Drinking Water Event Exhibit Hall
3:15 pm–4:00 pm	WEAT Ops Challenge Awards Ceremony • Top Ops Area
3:15 pm–4:00 pm	Networking Break • Exhibit Hall
3:15 pm–4:00 pm	Door Prize Drawings • Exhibit Hall
4:00 pm	Exhibit Hall Closes/Exhibit Breakdown
4:00 pm–5:00 pm	Technical Sessions/Posters
6:15 pm	Gavel Passing • Briscoe Western Art Museum
6:30 pm–8:30 pm	Conference Night-Out • Briscoe Western Art Museum
	TICKET REQUIRED

THURSDAY, APRIL 26

7:00 am–8:30 am	Gloyna Breakfast
	TICKET REQUIRED
8:00 am–9:00 am	Beverage Break
8:00 am–10:00 am	Registration
8:00 am–Noon	Speaker Ready Room
8:30 am–10:00 am	Technical Sessions
8:30 am–Noon	Facility Tours • Depart from Convention Center
	TICKET REQUIRED
10:00 am–10:30 am	Networking Break
10:30 am–Noon	Technical Sessions
Noon	Conference Adjourns

CONFERENCE HIGHLIGHTS



ANNUAL GOLF TOURNAMENT

MONDAY, APRIL 23, 7 A.M.

The **Texas Water 2018 Scholarship Golf Tournament** will be held at the Brackenridge Park Golf Course in San Antonio. The tournament benefits the scholarship programs of both WEAT and TAWWA and is a great way to meet new friends and colleagues. Get more details and a registration form on **Page 22**.

MEET & GREET/EXHIBIT HALL

MONDAY, APRIL 23, 5 TO 7 P.M.

Texas Water attendees **Meet & Greet** in the Exhibit Hall at the Henry B. González Convention Center for refreshments. Registration opens at 4:30 p.m., then you can enjoy the relaxed atmosphere of the Exhibit Hall. Texas Water 2018™ hosts the **largest regional water exhibition on the continent**. More than 450 exhibitors are in one place, at one time, in the Convention Center.

TEXAS WATER DODSON'S DRIVE FUN RUN

TUESDAY, APRIL 24, 6:30 A.M.

The Young Professionals Dodson's Drive 5K supports the Texas water industry's young professionals by raising funds to support the WEAT/TAWWA Young Professionals Dodson Drive Fund, which provides scholarships for YPs and funds to send YPs to the Young Professional Summit each year. The Dodson's Drive Fund was started in spring 2011 in honor of Kenneth Dodson. Kenny worked in the wastewater industry for 35 years and was a tireless supporter of YP education and growth throughout Texas. Though Kenny has since passed away after battling cancer, his memory and efforts live on through the Dodson Drive Fund and the Young Professionals Dodson's Drive 5K. This year's 5K will be a scenic tour of the world famous San Antonio Riverwalk.

NETWORKING BREAKS

TUESDAY, APRIL 24 – THURSDAY, APRIL 26

Start each Texas Water 2018™ day with **networking breaks** in the Exhibit Hall Tuesday and Wednesday and near the Technical Sessions on Thursday.

TECHNICAL SESSIONS

TUESDAY, APRIL 24 – THURSDAY, APRIL 26

The Texas Water Program Committee offers technical sessions presented by the top experts in the industry and targeted to the most important issues facing water and wastewater professionals today. This year we had more than 550 abstracts submitted that were peer-reviewed to bring you 184 leading-edge presentations that are offered only at Texas Water 2018™. And, once again, we will provide a number of top Poster Sessions as part of our full technical program presentation. Attending Texas Water 2018™ allows you access to the best of the best technical presentations. **For a full listing, see Pages 14–21.**

STUDENT DESIGN COMPETITION

TUESDAY, APRIL 24, 8:30 A.M. TO 11:30 A.M.

The WEAT Student Design Competition gives students the opportunity to design and present a project based on a real-world wastewater treatment plant design problem. Students will be competing to represent WEAT at the WEFTEC Student Design Competition in New Orleans at WEFTEC 2018. Come on out and support your alma mater or see some prospective future leaders in the industry! This year teams from Texas Tech University, Texas A&M University, Southern Methodist University, Tarleton State University, LeTourneau University, and Louisiana State University will compete.

AWARDS LUNCH

TUESDAY, APRIL 24, 11:30 A.M. TO 1 P.M.

TICKET REQUIRED

Enjoy a great meal with your colleagues at the Awards Lunch. The luncheon will feature the first of the conference **award ceremonies**, recognizing some of the longtime leaders of our water/wastewater community. Your ticket to the luncheon is included with Full or Tuesday-Only Registration, and extra tickets are available for purchase.

TCEQ Operator Workshop

TUESDAY, APRIL 24, 1 P.M. TO 5 P.M.

All water operators are invited to attend a special workshop tentatively scheduled for Tuesday, April 24 from 1-5 p.m. Though designed to supplement the Top Ops Competition, all water operators can benefit from this important training. Four hours of TCEQ Operator credit have been requested. More information on the topic of the workshop will be provided at a later date. *There is NO additional fee for this training or need to preregister.*

YP & STUDENT RECEPTION/MENTORING PROGRAM NETWORKING EVENT

TUESDAY, APRIL 24, 5 TO 6 P.M.

Come out and join the YPs and seasoned professionals for drinks and hors d'oeuvres as we continue to network and wrap up the young professionals' sessions. We will also recognize the winners of the Student Design Competition, the University Forum, the Dodson's Drive Run and the recipient of the Dodson Drive sponsorship to attend the AWWA/WEF YP Summit. The Mentoring Program's Networking Event will have participants discuss their experience with mentors. Join us to learn more about the program and how you can participate.

YP TECHNICAL SESSION

WEDNESDAY, APRIL 25, 9:30 A.M. TO 5 P.M.

A panel of YPS will share their knowledge and experiences on an array of matters aimed at engaging the YPs and seasoned professionals alike. Reference the program lineup for details.

CURTIS SMALLEY ENVIRONMENTAL EVENT

MONDAY, APRIL 23, 8 A.M. TO 12 P.M.

The Curtis Smalley Environmental Event will take place along the San Antonio River Mission Reach.



This year will be having our very own "Texas Water Basura Bash" cleaning up the Mission Reach segment from Concepcion Park to Padre Park. Volunteers can kayak or walk along this four mile stretch while assisting to



pick up as much basura, or trash, along the way. All volunteers will be provided

gloves, trash pickers, trash bags and water.

RSVP will be required to help us determine the number of supplies and kayaks needed for this effort so please sign up for the event on the registration form. Transportation to and from the event will be provided from the conference hotel and parking will also be available at Concepcion Park.



CONFERENCE HIGHLIGHTS

PRESENTATION POSTERS

TUESDAY, APRIL 24-WEDNESDAY, APRIL 25

Texas Water 2018™ will once again give attendees an expanded opportunity to learn with the presentation of posters. The posters give authors the opportunity to display their research topics and to share the information they discovered. The posters will be displayed in the Henry B. González Convention Center from Tuesday morning through Wednesday afternoon. Authors are encouraged to leave business cards or other contact information so that viewers can direct questions or comments their way. A listing of the posters will be provided in the Texas Water Conference Program and in the conference app.

AWARDS BREAKFAST

WEDNESDAY, APRIL 25, 7:15 TO 9 A.M.

TICKET REQUIRED

Texas Water will honor **WEAT and TAWWA friends and colleagues** who have demonstrated their commitment to the water and wastewater profession. The ceremony will feature fast-paced video introductions and a full breakfast buffet. Tickets are \$40; one ticket is included with each Full Registration.

PROFESSIONAL ETHICS WORKSHOP FOR ENGINEERS

WEDNESDAY, APRIL 25, 9:30 A.M. TO 11 A.M.

The Texas Water Engineer's Ethics Seminar is an interactive and thought-provoking session led by Bob Pence and Gina Smith from Freese and Nichols, Inc. While earning one Professional Development Hour and satisfying the annual ethics requirement, you will learn to recognize ethical situations faced by engineers, analyze the issues of ethical situations and discuss how to resolve ethical situations in a creative and professional manner. *There is NO additional fee for this training or need to preregister.*

BOX LUNCH

WEDNESDAY, APRIL 25, NOON TO 1 P.M.

TICKET REQUIRED

Wednesday is a big day at the Texas Water Conference. In addition to the great Technical Programs and the full day of Exhibits, Wednesday is also your opportunity to cheer on your favorite team at the **Exhibit Hall competitions** – Pipe Tapping, Operations Challenge, or Top Ops. So you won't miss a minute of the action, we'll serve a great Box Lunch at numerous locations in the Exhibit Hall. Your Full Registration or Wednesday-Only Registration includes a ticket for the Box Lunch. Extra tickets are available for purchase.



WOMEN OF TEXAS WATER LUNCH

WEDNESDAY, APRIL 25, NOON TO 1 P.M.

The annual Women of Texas Water luncheon speaker on Wednesday, April 25, will be Eleanor Allen. Allen is currently the CEO of Water For

People (WFP). She is fiercely compassionate about improving global water and sanitation and believes this societal change can be accelerated through social entrepreneurs like WFP. Prior to WFP she was the Global Director of Water at ARCADIS. She also held various positions at CH2M over 16 years where she rose to Latin America Director of Water and Senior VP. Allen also served as a Peace Corps volunteer in the Dominican Republic.

As the CEO of WFP, Allen leads one of the Top 100 global non-profits. WFP is recognized as an innovative leader in the water, sanitation and hygiene (WASH) sector through its sustainable approach to development called Everyone Forever (EF). EF brings together local entrepreneurs, technology, governments, and communities to create lasting water systems and sanitation for Everyone (every family, school, and clinic), Forever. WFP is working with 4 million people in 9 countries in Africa, Latin America and India.

As the Global Director of Water, Allen had responsibility for a \$450M water engineering consultancy covering seven regions of the world. She is experienced in leading multi-cultural teams in delivering large infrastructure programs. Allen was the founder of the ARCADIS Global Diversity and Inclusion Program and the Board Liaison for the National Action Council for Minorities in Engineering. Currently Eleanor is on the Board of US-Brazil Connect and is registered Professional Engineer and a Board Certified Environmental Engineer. In 2015 she was a finalist for Denver Outstanding Women in Business and was inducted into the University of California at Berkeley (Cal) Academy for Distinguished Alumni for Civil and Environmental Engineering. Allen received her M.S. degree in Civil and Environmental Engineering from Cal and her B.S. degree in Civil Engineering from Tufts University. She also completed Executive Programs at London Business School and Northwestern University.

Box lunches will be available, and box lunch tickets are included in Full Registration and Wednesday-Only Registration. Additional box lunch tickets are available at \$35 each if purchased on or before April 2; \$40 after.

Water For People Silent Auction

Texas Water 2018™

April 23-26, San Antonio, TX



water for people
everyone | forever

WATER FOR PEOPLE NEEDS YOUR HELP!!!
Please donate to the Texas Water 2018™ Silent Auction

Details:

- Silent Auction items can include tickets to sporting events, art, wine, clothing, professional memberships, electronics, gift cards, etc...
- Monetary donations and corporate sponsorships are welcome. Donations are tax-deductible up to the value of the item.
- The Texas Water 2018™ silent auction will take place on Tuesday and Wednesday and will be located at the entry to the exhibit hall.
- Bidding closes Wednesday at 1:15 P.M. Most items will be displayed at the booth, and some items may be used as a prize in the raffle.



FOR MORE INFORMATION, FOR SPONSORSHIP, OR TO MAKE A DONATION, PLEASE

CONTACT:

Jonathan Vorheis

Tel: 210.321.6256 - jonathan.vorheis@ch2m.com

https://www.txwater.org/wfp_auction_submission_2018.cfm

**Want to
volunteer at
the auction?
Let us know!**



Water For People helps people in developing countries improve quality of life by supporting the development of locally sustainable drinking water resources, sanitation facilities, and hygiene education programs. The vision is, "A world where all people have access to safe drinking water and sanitation, a world where no one suffers or dies from a water – or sanitation – related disease."

www.waterforpeople.org

CONFERENCE HIGHLIGHTS

CONFERENCE NIGHT-OUT

WEDNESDAY, APRIL 25, 6:30 TO 8:30 P.M.

Our conference mixer and night-out will be your chance to be in the middle of Fiesta San Antonio, one of the nation's premier festivals, all set along the Riverwalk at the Briscoe Western Art Museum, one of the newest additions to San Antonio's cultural offerings.

The mixer starts at 6:15 p.m., with Mexico-themed appetizers and a wide offering of cocktails and drinks. The Fiesta atmosphere will be enhanced by the sounds of mariachi performers.

Attendees will have access to the Briscoe Western Art Museum. Housed in a renovated building that was San Antonio's first public library, the museum opened in 2012 and immediately brought a wide collection of art, history, culture and rich traditions of the American West. In just five years of operation, it's become a major destination and critically acclaimed center for the legend of cowboys and Southwest culture.

Inside the Museum on the first floor and also on the patio overlooking the Riverwalk, food will include ceviche, quesadillas, flautas, nachos, bunuelos, and churros for dessert. The Mexico-inspired taste extends to the bar with tequila, margaritas, Dos XX beer along with other wine, beer and spirits.



A tour of the San Antonio Water System's Market Street Pump Station will be available during the event. Just steps away from the museum, the pump station covers wells that originally were drilled in 1891. Today, it delivers up to 40 million gallons a day of the city's water supply, and an 800,000-gallon storage tank is hard to miss even in the middle of downtown. *Please note that space on the tour will be limited and on a first-come, first-served basis.*

A short stroll under the Riverwalk's towering cypress trees, live oaks and palms will take you to numerous events of Fiesta San Antonio. What is Fiesta? It's San Antonio's time-honored answer to Mardi Gras, and a headliner event known as NIOSA – Night In Old San Antonio is a very short walk away at La Villita (there is an additional charge for Fiesta events).

For mobility impaired, transportation will be provided at the Conference hotel. The Briscoe Western Art Museum, like so many of the charming sites in downtown San Antonio, is walking distance from the conference hotel. The event concludes at 8:30 pm.

A Conference Night-Out ticket is included with Full Registration or with the Guest Program. A limited number of tickets are available for purchase at the cost of \$70 on or before April 2; \$80 after.

C.E. HOURS

TCEQ Operator Training Certification Hours will be available for attending technical sessions and participating in competition events and facility tours.

Forms will be available at the TW18 Registration Desk.

Engineers may also receive self-reporting CE hours for attending.

Please note that we will not have engineering forms onsite.

Texas Water 2018™ is a registered servicemark of Texas AWWA for the exclusive use for this joint conference with WEAT. All rights reserved.

CONFERENCE HIGHLIGHTS

GLOYNA BREAKFAST

THURSDAY, APRIL 26, 7 TO 8:30 A.M.

Ellen McDonald will be the featured speaker at the Gloyna Breakfast at 7 a.m. on Thursday, April 26 at the Henry B. González Convention Center.



McDonald is a principal at Alan Plummer Associates where she leads the water resources practice group. She holds a Bachelor of Science degree in Civil Engineering from Bucknell University and a Master of Science and Ph.D. in Water Resources Engineering from Stanford University. McDonald has more than 30 years of experience in the areas of water resources planning, water reuse, water quality modeling and water and wastewater system modeling and planning. She is perhaps best known as a steadfast advocate of safe and practical implementation of water reuse and has helped many utilities with the planning and implementation of reuse projects throughout Texas and Oklahoma.

McDonald's other contributions to the advancement of water reuse include managing several key projects funded by the Texas Water Development Board—one that focused on documentation of the history and state

of technology of water reuse in Texas, together with the development of a state water reuse research agenda; and a second that developed a resource document focused on direct potable reuse. In addition, McDonald served on the national expert team that developed the document, *Framework for Direct Potable Reuse*. McDonald has tirelessly volunteered her time on behalf of the WaterReuse Association, WEAT and TAWWA to help educate and support anyone and everyone who has an interest in water reuse. She currently serves as a technical expert on the Oklahoma regulatory work group charged with developing reuse regulations for the state of Oklahoma and also has served as a project advisory committee member for several WE&RF research projects.

The Breakfast honors the long and distinguished career of Dr. Earnest F. Gloyna, Emeritus Professor of Environmental and Water Resources Engineering at the University of Texas at Austin. Dr. Gloyna's teaching, research and professional practice have touched an unusually large number of students, educators, engineers and the public leadership not only in Texas but throughout the world. Tickets for the Gloyna Breakfast are \$40 and are sold separately.

3 TEXAS LOCATIONS
+ A NETWORK OF 18 OFFICES NATIONWIDE

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COMPETITIONS

TUESDAY, APRIL 24

Junior Meter Madness Contest

1-2:30 pm, Exhibit Hall

The Junior Meter Madness Contest matches students from high school environmental programs, for a test of their meter-assembling skills and dexterity in the Exhibit Hall from 1 to 2:30 p.m. Please support these “future water professionals” by attending on Tuesday.

Meter Madness

2:30-4:30 pm, Exhibit Hall

Contestants race to assemble a 5/8-inch meter from loose parts and test for leaks. The winner represents Texas at the AWWA national competition. For information, check online at www.txwater.org.

Texas Shoot Out

3:30-5 pm, Exhibit Hall, Ops Challenge Area

Who is the fastest draw on cutting a piece of 8-inch SDR 35 pipe with a hand saw? It's time to show who really has the quickest hands in Texas at the annual Texas Shoot Out.

This competition is designed to demonstrate elements of the Operations Challenge's Collection event. The event is open to all. The \$5 entry fee proceeds go to Curtis Smalley Memorial Fund. First place in all events will receive a plaque. Contact Grace Wike at gdwike@lan-inc.com for more information and to sign up.

TUESDAY, APRIL 24 & WEDNESDAY, APRIL 25

Operations Challenge

Tuesday, April 24, 8:15 am-5 pm

Wednesday, April 25, 8:45 am-4 pm

Come see the best and brightest operators in the nation compete during Ops Challenge at Texas Water 2018. Demonstrating a Texas sized dominance, TRA CRWSers and Dallas Water Utilities Aqua Techs took home Division 1 and Division II overall finishes at WEFTEC Ops Challenge. Sign up your utility today! Teams of two to four members can compete in one or more (up to six) events. Anyone can sign up a team! The competition takes place Tuesday and Wednesday in the Exhibit Hall. Join teams in a multi-day competition designed to showcase the team's knowledge and skills in **Process Control** (Sponsored by Freese and Nichols), **Laboratory Analysis** (Sponsored by Hartwell Environmental), **Pump Maintenance** (Sponsored by CP&Y), **Collection System Repair** (Sponsored by AECOM), **Safety** (Sponsored by Carollo), **Electrical** (Sponsored by Gupta) and our **7th Annual Exhibition**

Event (Sponsored by Victaulic). Non-Utility Teams can sign up and compete in the Exhibition Event. Two Divisions are available: Division I for past teams who compete in all of the events, and Division II for any new team that wants to compete in any event for the first time.

Competitors can receive up to 10 TCEQ CEU hours, t-shirts, entry into the technical sessions and exhibit halls, and bragging rights! The Top Five Texas Teams earn a free trip to WEFTEC Nationals, which will be held in September in New Orleans. Contact Jeff Sober at 214-883-6263 or jsober@garverusa.com or register at www.txwater.org.

WEDNESDAY, APRIL 25

Top Ops

9:30 am-1:30 pm, Exhibit Hall

Water operations personnel can impress their co-workers and dazzle their bosses with their technical knowledge by competing in this quiz show-style event. The winning team advances to the National Top Ops Competition in Las Vegas in June at the AWWA Annual Conference. For more information, contact Rhonda Harris at reharris57@gmail.com or online at www.txwater.org.

Pipe Tapping Contest

9:30 am-2 pm, Exhibit Hall

Four-person teams from across the state compete to determine who will represent Texas at the AWWA National Pipe Tapping Competition in Las Vegas in June. For information, contact Rhonda Harris, reharris57@gmail.com or check online at www.txwater.org.

Hydrant Hysteria

9:30 am-4 pm, Exhibit Hall

Hydrant Hysteria is a fast-paced competition where two-member teams assemble a specified hydrant as quickly as they can. The Section winners will compete at the AWWA ACE17 Conference in June in Las Vegas. For complete details, contact Rhonda Harris at reharris57@gmail.com.

Best-Tasting Drinking Water Contest

1:45-3 pm, Exhibit Hall

The Best-Tasting Drinking Water Contest brings together entries representing utilities across Texas. A panel of celebrity judges will grade the samples. Along with Texas bragging rights, the winning entrant competes at the AWWA Annual Conference and Exhibition in Las Vegas in June. For information, see www.txwater.org.

TWELFTH ANNUAL TEXAS SHOOTOUT

FASTEST SAW CUT COMPETITION SCHEDULE OF EVENTS:

3:30 – 4:00 PM ★ UTILITY MANAGEMENT HEAD
TO HEAD TOURNAMENT

4:00 – 5:00 PM ★ HEAD TO HEAD COMPETITION OPENED
TO ALL TX WATER ATTENDEES



TUESDAY, APRIL 24, 2018

\$5 PER ENTRY ★ ALL EQUIPMENT PROVIDED

PROCEEDS BENEFIT THE CURTIS SMALLEY MEMORIAL FUND

**For Pre-Registration (recommended, not required) and Additional
Information Contact Grace Sober ★ gd@lan-inc.com**

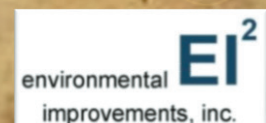
**WHICH DIVISION TITLE WILL YOU TAKE HOME?
WOMEN ★ OPS CHALLENGE COMPETITORS ★ MEN**



**WATER ENVIRONMENT
ASSOCIATION OF TEXAS**

Preserving & Enhancing the Water Environment of Texas

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HOTEL INFORMATION

The host hotel for Texas Water 2018™ is the Hyatt Regency San Antonio Riverwalk.

Hyatt Regency San Antonio Riverwalk

123 Losoya St
San Antonio, TX 78205
210-222-1234

Room rates at the Hyatt Regency San Antonio Riverwalk are \$179 Standard Room Run of House and \$209 View rooms (limited availability/dates). You will also receive a 50% discount off the self-parking rate and complimentary Internet.

To make reservations online, go to:

<https://aws.passkey.com/go/TXWater2018> (if you need technical assistance, please call 1-888-421-1442).

Attendees can also make reservations by calling central registrations at 888-421-1442 and refer to Texas Water 2018. The cutoff date for the group rate is March 30.

Reservations made online will limit guests to only one reservation per each confirmation. **See special information below regarding booking more than 5 hotel rooms.**

After the Hyatt is full, there are other hotels close to the San Antonio Convention Center. Please refer to www.txwater.org for a list.

**Texas Water negotiates hotel rates to provide reasonable rates for conference attendees. As part of this agreement, Texas Water 2018™ assumes financial responsibility for any unsold rooms at the hotels where we have contracts.*

*The following policy will apply to anyone who books more than five hotel rooms at the negotiated Texas Water rate. Any person, group, company or organization that reserves more than five rooms at the Texas Water Conference rate agrees that they will cancel any rooms they do not plan to use earlier than the normal cut-off date for room reservations. **The cutoff date for reservations in excess of 5 rooms is March 30, 2018.***

Additionally, any person, group, company or organization agrees, by reserving rooms at the discounted Conference rate, that if they fail to cancel the rooms by the cutoff date below, they will assume full responsibility to pay for any unused rooms at the full conference rate including all taxes and other fees in the event the rooms go unsold and the hotel acts to hold WEAT and/or Texas AWWA responsible for any unused rooms under the terms of the contract. Please direct any questions regarding this policy to help@texaswater.net.

GUEST PROGRAM

TUESDAY, APRIL 24 & WEDNESDAY, APRIL 25

Spouses and companions of Texas Water attendees can join a tour of San Antonio as we check out some of the city's most interesting spots!

The two-day package includes light breakfast, lunch, transportation and entrance fees, as well as a ticket to the conference-wide event on Wednesday evening.

The Guest Program costs \$125 on or before April 2 and \$135 after.

Tuesday, April 24

The group will meet for breakfast at the Hyatt Regency hotel and then board a chartered bus to the **San Antonio Museum of Art**, located on the San Antonio River, where guests will enjoy a one-hour guided tour of the museum. Guests can then join in on a guided half-mile walk up the **San Antonio River** to hear about the river history and improvements and see some of the Museum Reach improvements, including the historic Alamo Mills Dam, the Grotto, the fish art installations suspended under I-35 and the turning basin for river barges (the bus will be available for those who would prefer not to walk). Next the group will enjoy lunch at the **Pearl Brewery**. Following lunch, we will explore the historic Pearl Brewery, a mixed use space where guests can enjoy shops, bakeries and coffee shops!

Wednesday, April 25

After having breakfast at the hotel, guests will board a chartered bus to the beautiful Texas Hill Country in Boerne, Texas. The group will then have the opportunity to get outdoors and experience the **Cibolo Nature Center**, including a short guided walk to the picturesque Cypress-lined banks of Cibolo Creek. Guests can also take in bird watching, nature trails or just rest comfortably in the scenic park. The Guest program will conclude with lunch and wine tasting at the **Boerne Wine Company** on Main Street in downtown Boerne. Before returning to San Antonio on the chartered bus, guests can enjoy the remainder of the afternoon sampling wine on the Boerne Wine Company patio, or visit the many shops along Main Street.

FACILITY TOURS

Attendees can add to their Texas Water 2018 experience by registering for one of the three Thursday morning tours. Tour tickets are in addition to Conference registration and include transportation. Cost is \$30 if purchased by April 2; \$35 thereafter. A limited number of tickets may be available for purchase on-site. Choose one of the three tours that will leave from the Henry B. González Convention Center at 8:30 a.m. Thursday morning:

Option 1: SAWS Dos Rios Water Recycling Center

Celebrating 30 years of innovation in 2017, the San Antonio Water System's Dos Rios Water Recycling Center (WRC) is a 125 million gallons per day (MGD) two-stage activated sludge wastewater treatment facility that is the largest in the greater San Antonio area. Throughout this tour, you will see the ways Dos Rios WRC showcases SAWS' leadership in water management innovation including:

- First to accomplish the environmental "trifecta," reusing all three sewage treatment by-products: water, biosolids and methane gas.
- First in the world to produce renewable sources for water, methane and solar power from one plant.
- Largest direct recycled water system in the nation with approximately 130 miles of pipeline delivering high-quality recycled water for use by golf courses, parks, commercial and industrial customers, as well as San Antonio's famous River Walk.
- First in the world to produce treated biogas for the natural gas market by partnering with a national energy company focusing on renewable energy to treat and transfer at least 900,000 cubic feet of gas per day to a nearby commercial pipeline to sell on the open market.

Option 2: SAWS H₂Oaks Center

The newest and most innovative of the SAWS facilities, the San Antonio Water System's H₂Oaks Center is the hub for three unique water supplies which provides up to 60 million gallons per day (MGD) to the citizens of San Antonio. After watching a brief film at the Visitor's Center, guests will embark on a tour of the facility to see how SAWS manages the three supplies including:

- Desalinated water: As the newest of the three sources, water from the Wilcox Aquifer located 1,200 to 1,800 feet below Bexar County is treated through a state of the art reverse osmosis facility and produces up to 12 million gallons per day.
- Aquifer storage and recovery (ASR): Commissioned in 2004, the SAWS ASR facility stores excess Edwards Aquifer water in the Carrizo Aquifer during rainy or low demand seasons for use during dryer times of the year.
- Local Carrizo Aquifer: Constructed in conjunction with the ASR, SAWS has the ability to pump up to 9 MGD of water directly from the Carrizo Aquifer and treat it through a separate conventional treatment facility.

Option 3: San Antonio River Authority's WWTP, Composting Operations, Solar and Flood Retarding Structure (Dam)

The San Antonio River Authority (SARA) strives to inspire actions for healthy creeks and rivers. SARA provides service to the east side of San Antonio through roughly 32,000 connections. In this tour you will visit four facilities the Martinez II 3.5 MGD WWTP, Gardenville Composting Facility, Solar Farm (in addition to the Solar kiosk at Martinez II WWTP) and Martinez 1 Dam. An in depth walking tour will be provided of the Martinez II WWTP and Gardenville Composting Facility. A windshield tour will be given of the Solar Facility and Martinez 1 Dam. Project history and background will be provided on all projects during the windshield tour portion.

Visit
www.txwater.org
for the latest
Texas Water 2018
information and updates

TENTATIVE SCHEDULE TECHNICAL SESSIONS

TUESDAY AFTERNOON, APRIL 24

	Electrical/I&C	Legislative/Regulatory	Construction Issues	Watershed Management/ Stormwater
1:30 - 2:00 pm	Beyond the Idea: How to Successfully Execute NFPA 820 Requirements Kalyani Ganesan <i>Carollo Engineers</i>	AWWA National Update Tommy Holmes <i>AWWA</i>	Technology and Aging Infrastructure: Using New Tools to Optimize Rehab Dollars Adam McKnight <i>Upper Trinity Regional Water District</i>	A Flexible, Science-Based Approach for BMP Design Guidance in Central Texas Gian Villarreal <i>CDM Smith</i>
2:00 - 2:30 pm	Energy & Process Gains with Right-Sized Equipment and Next-Gen Automation Randy Chann <i>Environmental Dynamics International</i>	View from Washington – Federal Update from WEF or NACWA TBA	It's Not Just Lunch – Proactive Construction Partnering Relationships – Dallas Water Utilities' Walcrest Pump Station and Reservoir Project Delivery Strategy Mario Garza <i>CH2M Hill</i> Eva Gorgi <i>Dallas Water Utilities</i>	Resilient Watershed Development in the San Antonio Area Melissa Bryant <i>San Antonio River Authority</i>
2:30 - 3:00 pm	Standby Generator Sizing Considerations Lance Price <i>Gupta & Associates</i> Sid McCain <i>Trinity River Authority of Texas - TCWSP</i> Mazhar Hajizadeh <i>Gupta & Associates</i>	TCEQ Updates on Water Quality/ Drinking Water Issues TCEQ	Ensuring Quality Through Comprehensive Construction Phase Services for Houston's \$1.4B Expansion to the NEWPP Rajinder Singh, <i>City of Houston</i> Paul Walker, <i>Carollo Engineers</i> Sarah Berkey, <i>Carollo Engineers</i> Jasmin Zambrano, <i>City of Houston</i>	Sugar Land, Texas: Experiences of a Growing MS4 Jason Maldonado <i>RJN Group</i> Ilana Harris <i>City of Sugar Land</i>
Networking Break in the Exhibit Hall 3:00 - 3:30 PM				
3:30 - 4:00 pm	And You Think You Can Meet TCEQ Chapter 217 Requirements with Portable Generators? Agata Ristow <i>CP&Y</i> Mike Querry <i>Trinity River Authority of Texas</i>	Corpus Christi & the New Economic of Desalination James Murphy III <i>Half Associates</i>	Management Modifications Are Advancing the TRA Solids Management Improvements Program Tom Jacobs <i>Trinity River Authority of Texas</i>	Feeling Exposed? How Arlington Water Utilities is Utilizing Geomorphology to Protect Sanitary Sewer Mains From Creek Erosion – Part 2 Robb Otey, <i>Freese and Nichols</i> Jessie Allen, <i>Arlington Water Utilities</i> Stephanie Coffman, <i>Stantec</i> Keith Byrne, <i>Freese and Nichols</i> Marc Miller, <i>Freese and Nichols</i>
4:00 - 4:30 pm	Lowering Lifecycle Costs Using Intelligent Motor Control Centers Jeff Miller <i>Schneider Electric (Water)</i>	Impact of Stream Standard Revision on Wastewater Discharge Permit Limits Chris Pasch <i>Alan Plummer Associates</i>	Alternate Project Delivery Risks and Rewards – Lessons Learned From the Development and Construction of the Lane City Reservoir Project Ken Hall <i>CH2M</i> John McLeod <i>Lower Colorado River Authority</i> Gregor Forbes <i>Lower Colorado River Authority</i>	Trash and Floatables Mitigation in San Antonio Nicole Koeninger <i>San Antonio River Authority</i> Wayne Tschirhart <i>San Antonio River Authority</i>
4:30 - 5:00 pm	Nominal Electrical Room Cooling Capacities that are Actually Sensible Nicholas Prisco <i>Freese and Nichols</i>	Texas Legislature Interim Activites and Evolving Issues Julie Nahrgang <i>Water Environment Association of Texas</i> Heather Cooke <i>City of Austin</i>	Construction Fail! How Improved Communication Between Operators, Engineers, and Contractors Can Improve Facilities Jeff Sober <i>Garver</i> John Bennett <i>Trinity River Authority of Texas</i>	County-Wide Plan Preserves Greenbelts, Protects Quality of North Texas Water Sources Blake Alldredge <i>Upper Trinity Regional Water District</i> Jason Pierce <i>Upper Trinity Regional Water District</i>

TENTATIVE SCHEDULE TECHNICAL SESSIONS

TUESDAY AFTERNOON, APRIL 24

Biosolids	Drinking Water Quality	Public Info	University Forum	
<p>The Pursuit for High(er) Quality Biosolids Christine Radke <i>Water Environment and Reuse Foundation</i></p>	<p>Moving Treatment Technology into the Distribution System to Control Total Trihalomethane Disinfection By-Products Jason Christensen <i>Walker Partners</i> Mike Huber <i>City of Cedar Park</i></p>	<p>How to Run a Successful AMI Public Outreach Campaign – A Case Study of Cedar Park Sapna Mulki <i>Hahn Public Communications</i> Nanette McCartan <i>City of Cedar Park</i></p>	<p>Selective Removal of Hardness Ions using Ion-Selective Capacitive Deionization Jun Kim <i>Rice University</i></p>	1:30 - 2:00 pm
<p>Nutrient Management: A Holistic Whole Plant Evaluation For Managing Phosphorus and Nitrogen Jeff Sober <i>Garver</i> Leon Downing <i>CH2M</i> Sherri van der Wege <i>Trinity River Authority</i></p>	<p>Impact of Biological Filtration on NDMA Precursor Concentrations Ashley Evans <i>Arcadis</i> Jason Carter <i>Arcadis</i> Sarah Page <i>Arcadis</i></p>	<p>From Null and Dull, to Shiny and New: How to Bring New Life to Old Programs Hillary Roberts <i>City of Fort Worth Water Department</i></p>	<p>Sulfidation of Commercial Zero Valent Iron (ZVI) for Degradation of Chlorinated Ethenes Syful Islam <i>Texas Tech University</i></p>	2:00 - 2:30 pm
<p>Slurry Injection for Biosolids Management in the City of Houston: An Economic, Technical, and Environmental Feasibility Study Omar Abou-Sayed <i>Advantek Waste Management Services</i></p>	<p>Nitrification Control and Prevention: Story of a Utility's Response, Monitoring Assessment, and Infrastructural and Operational Improvements Yue Sun <i>Ardurra Group</i></p>	<p>Water Conservation Engagement; It's Fundamental to Customer Satisfaction & Trust Karen Guz <i>San Antonio Water System</i></p>	<p>Spectroscopic Characterization of Humic Substances in Landfill Leachates from Elevated Temperature Landfills (ETLFs) Sailee Gawande <i>Lamar University</i></p>	2:30 - 3:00 pm
Networking Break in the Exhibit Hall 3:00 - 3:30 PM				
<p>Village Creek's Sludge Thickening Improvements – A Responsible Reuse of Existing Infrastructures Farida Goderya <i>Fort Worth Water Department</i> Chad Simmons <i>Freese and Nichols</i></p>	<p>Seasonal Impacts on Biofiltration Acclimation Dynamics and Performance Baselines Ben Kuhnel, <i>Arcadis</i> Kathy Gault, <i>City of Denton</i> Ashley Evans, <i>Arcadis</i> Jason Carter, <i>Arcadis</i></p>	<p style="text-align: center;">Value of Water</p> <p>Engaging the Agricultural Community in Support of Biosolids Beneficial Reuse Matt Berg <i>CH2M</i> Sherri Van der Wege <i>Trinity River Authority of Texas</i></p>	<p>Detailed Surface Characterization and Cleaning of Reverse Osmosis Membranes From a Full-Scale Water Reuse Facility: Role of Biological and Silicate Fouling Bilal Abada <i>Texas A&M University</i></p>	3:30 - 4:00 pm
<p>Town of Flower Mound Solids Facility Plan and Improvement Projects Jeff Caffey <i>Alan Plummer Associates</i> Randy Williams <i>Town of Flower Mound</i></p>	<p>Is Dissolved Air Flotation Worth it for Texas WTPs? Marc Santos <i>Hazen and Sawyer</i> William Becker <i>Hazen and Sawyer</i></p>	<p>The Value of Water – Helping Customers to Manage Cost and Consumption through Strategic Engagement Michelle Camp, <i>WaterSmart Software</i> Karen Guz, <i>San Antonio Water System</i> JoAnn Perez, <i>City of Leander</i> Ed Archuleta, <i>WaterSmart Software</i></p>	<p>Water Quality Impacts Associated with Extreme Hydrologic Events in a Highly Industrialized Estuary Amin Kiaghadi <i>University of Houston</i></p>	4:00 - 4:30 pm
<p>Chlorine Dioxide and Biosolids Odor Forming Potential: A Pilot Study Jason Crawley <i>Freese and Nichols</i> Matt Jalbert <i>Trinity River Authority</i> Chad Simmons <i>Freese and Nichols</i></p>	<p>Getting Ready For Wholesale Change: North Fort Bend Water Authority's Efforts Towards Reduction in Groundwater Use and Blending of a New Surface Water Supply Amlan Ghosh, <i>Corona Environmental Consulting</i> Lindsay Kovar, <i>BGE</i> Jonathan Howard, <i>BGE</i> Shiann Hernandez, <i>BGE</i></p>	<p>The Power of Storytelling Greg Wukasch <i>San Antonio Water System</i> Lynne Christopher <i>San Antonio Water System</i> Carlos Maestas <i>KeyIdeas</i></p>	<p>Assessment of Potential Flow Restrictions in Curb-Inlets with Channel-Extension Muhammad Ashraf <i>University of Texas at Austin</i></p>	4:30 - 5:00 pm

TENTATIVE SCHEDULE TECHNICAL SESSIONS

WEDNESDAY MORNING, APRIL 25

	Water Reuse	Wastewater Collection	MRRDC	Water Distribution
9:30 - 10:00 am	<p>The Water Environment & Reuse Foundation's Advancing Potable Reuse Initiative: Developing a National Potable Reuse Research Program Jeff Mosher <i>Water Environment & Reuse Foundation</i> Julie Minton <i>Water Environment & Reuse Foundation</i></p>	<p>Technology, Talent, and Tenacity – Everything You Need to Succeed With In-House Large Diameter Main Assessments Michael Mosier <i>Arlington Water Utilities</i> Brendan Hamilton <i>Arlington Water Utilities</i></p>	<p>Global Challenges and Solutions: Advanced Wastewater Treatment Plant Beverley Stinson AECOM</p>	<p>Pre-Chlorinated Pipe Bursting Invigorates Arlington Water Utilities Main Replacement Program Todd Grafenauer <i>Murphy Pipeline Contractors</i> Jessie Allen <i>Arlington Water Utilities</i></p>
10:00 - 10:30 am	<p>Tapping into a New Source for Water Supply in Central Texas: A Feasibility Study of Direct Potable Reuse Xiaohong He AECOM Martin Rumbaugh AECOM John Nett <i>City of Buda</i> Graham Moore Alliance Regional Water Agency</p>	<p>A Comparison of Four Types of Sewage Drop Structures Through Physical Modeling Anthony Margevicius AECOM</p>	<p>Victims of Our Own Success: What Happens at WRRFs When Water Conservation Works Too Well? Andrew Shaw Black & Veatch Rajendra Bhattarai <i>Austin Water</i> Ana Peña-Tijerina Village Creek Water Reclamation Facility</p>	<p>Hydraulic Design Considerations to Avoid Groundwater Well Failures Garrett Kehoe Arcadis Adam Eddy San Antonio Water System</p>
10:30 - 11:00 am	<p>A Good Quantitative Microbial Risk Assessment Takes More Than a Slick Monte Carlo Simulation Eva Steinle-Darling <i>Carollo Engineers</i> Chao-An Chiu <i>Carollo Engineers</i> Caroline Russell <i>Carollo Engineers</i></p>	<p>System Treasure Hunt: System Study Approach to Accurate Map Data Colin Sutton Burgess & Niple</p>	<p>Evaluating Innovative Technologies to Replace Conventional Primary Clarifiers Ana Peña-Tijerina Fort Worth Water Department</p>	<p>Fort Worth's Caylor 5MG Tank – A Pre-stressed Story Farida Goderya Fort Worth Water Department Jenifer Tatum Kimley Horn</p>
11:00 - 11:30 am	<p>"I'll Take My Water Blended, Not Stirred": Impacts of Blending DPR Water into Drinking Water Systems Justin Sutherland <i>Carollo Engineers</i> Elisa Garvey <i>Carollo Engineers</i> Andrew Salvesson <i>Carollo Engineers</i> Katie Henderson Water Research Foundation</p>	<p>Sewer Superhighway: Fast Track for Large Diameter Consent Decree Pipeline Jeffrey Farnsworth Kimley-Horn & Associates</p>	<p>Visualizing the Big Picture: Understanding the Impact of Energy Improvements Using Sankey Diagrams Dylan Christenson Black & Veatch Christine Polo Black & Veatch Andrew Shaw Black & Veatch Ana Pena City of Fort Worth Water Department</p>	<p>Working Together Might Be Better Than Going It Alone: Arlington and TRA Evaluate Shared Operation of the Lake Arlington Raw Water Pump Station Robert Hoffman, HDR Mohammad Bayan, Arlington Water Utilities Buzz Pishkur, City of Arlington Julie Hunt, Trinity River Authority Katie Livas, HDR</p>
11:30 am - Noon	<p>Horizontal Directional Drill Through Downtown Austin Dan Pedersen Austin Water Oystein Moen Austin Water</p>	<p>Shrinking the Difference Between the Storms we Design for and the Storms we Get Nick Dons Trinity River Authority Mazen Kawasmi Freese and Nichols</p>	<p>Cloth Media Filter Pilot Study Shows a Path for Improved Total Suspended Solids and Phosphorus Removal at the Garland Wastewater Treatment Centers Ashley Pifer Garver Bill Gase City of Garland</p>	<p>SAWS' Proactive Water Transmission Main Assessment Defers \$40M Capital Replacement Linda Bevis San Antonio Water System Brian Ellis Pure Technologies Andy Dettmer Pure Technologies</p>

TENTATIVE SCHEDULE TECHNICAL SESSIONS

WEDNESDAY MORNING, APRIL 25

Water Treatment & Operations	Young Professionals	Diversity/International	Utility Management	
<p>Development and Implementation of Optimal Pre-Treatment Process for Mitigation and Control of Algae's Growth in Surface Water Treatment Plants Using Sodium Permanganate as Pre-Oxidant Agent Raul Rivas <i>City of Corpus Christi</i></p>	<p>Field Experience for Beginners – Navigating Your First Job Site Elizabeth Boddicker <i>Upper Trinity Regional Water District</i></p>	<p>Leading to Diversity TBA - Texas Water Diversity Committee</p>	<p>Creating the Right Vision for Success: Fort Worth Water's Organizational Leadership and Strategic Planning Process Kara Shuror <i>City of Fort Worth Water Department</i> Sheree Collins <i>City of Fort Worth Water Department</i> Ryan Nagel <i>Hazen and Sawyer</i> Scott Hardy <i>Hazen and Sawyer</i></p>	9:30 - 10:00 am
<p>Commissioning SAWS Brackish Groundwater Desalination Facility Saqib Shirazi <i>San Antonio Water System</i></p>	<p>Down the Drain: A Nationwide Examination of Non-Dispersibles in Wastewater Treatment Alicia Smiley <i>AECOM</i></p>	<p>Leading to Diversity TBA - Texas Water Diversity Committee</p>	<p>THE ISO 55000 Asset Management Standard – What Does This Mean for My Organization? Rhonda Harris <i>Tata and Howard</i></p>	10:00 - 10:30 am
<p>Low Pressure (MF) Membrane Replacement – Lessons Learned Hunter Duncan <i>Guadalupe Blanco River Authority</i> Michael Urrutia <i>Guadalupe Blanco River Authority</i></p>	<p>Simple, Fast, and Effective Aeration Improvements for Energy Savings and Process Control Will Chandler <i>Lockwood, Andrews, & Newnam</i> Christopher Altott <i>City of Copperas Cove</i></p>	<p>Leading to Diversity TBA - Texas Water Diversity Committee</p>	<p>EPA Consent Decree – Taming the Condition Monster Erin Mills <i>Freese and Nichols</i> Steven Rhodes <i>Freese and Nichols</i> Annette Duron <i>San Antonio Water System</i> David Bennett <i>Freese and Nichols</i></p>	10:30 - 11:00 am
<p>Coastal Water Authority's Operational Response to a Zebra Mussel Invasion at the Luce Bayour Diversion Tom Ray <i>Lockwood, Andrews & Newnam</i></p>	<p>TRA's Integration of Innovative Disinfection Technologies Kaylee Dusek <i>Garver</i> Michael Watts <i>Garver</i> Matt Jalbert <i>Trinity River Authority</i> Bill Tatum <i>TRA - CRWS</i></p>	<p>Leading to Diversity TBA - Texas Water Diversity Committee</p>	<p>Decimated by Data – Common Utility Billing Mistakes and the Impact on Water and Sewer Utilities Chris Ekruat <i>NewGen Strategies & Solutions</i> Kim Bostik <i>NewGen Strategies & Solutions</i></p>	11:00 - 11:30 am
<p>Going to Great Depths to Secure Water for Central Texas Aaron Archer <i>Walker Partners</i> Tom Gallier <i>BCRUA</i></p>	<p>Pump it Up: Vertical or Horizontal Pump Station Amanda Powers <i>Freese and Nichols</i> Sam Meisner <i>Freese and Nichols</i></p>	<p>Engineering Design in the Developing World: Iron Remediation of Groundwater in Rwanda Holly McCuiston <i>Garver</i></p>	<p>Empowering Employees to Work Smarter: Denton's Bottom Up Asset Management Plan P.S. Arora <i>City of Denton</i> John D'Antoni <i>Black & Veatch Corporation</i></p>	11:30 am - Noon

TENTATIVE SCHEDULE TECHNICAL SESSIONS

WEDNESDAY AFTERNOON, APRIL 25

	Water Reuse	Wastewater Collection	MRRDC	Water Distribution
1:15 - 1:45 pm	<p>WE&RF Agricultural Research Effort: Impediments and Incentives for Using Recycled Water for Agricultural Irrigation Kristan VandenHeuvel <i>Water Environment & Reuse Foundation</i></p>	<p>Sewer System Storage and Utilizing New Technologies, A New Beginning or Same Old Problems? Nieves Alfaro <i>Stantec Consulting</i> Nicholas Anderson <i>Stantec Consulting</i></p>	<p>Reducing Chlorine Demand Through Ammonium Based Aeration Control in the Activated Sludge Process Eric Redmond, <i>CH2M HILL</i> Quintin Winters, <i>Trinity River Authority of Texas</i> Matt Jalbert, <i>Trinity River Authority of Texas</i> Mike Young, <i>TRA - CRWS</i> Leon Downing, <i>CH2M HILL</i></p>	<p>Business Case for Chloramines for Biofilm Control in Long Raw Water Pipelines Darryl Corbin <i>Carollo Engineers</i> David Marshall <i>Tarrant Regional Water District</i></p>
1:45 - 2:15 pm	<p>Charting a New Course: A Curriculum for Operator Training with Advanced Technology Like UV AOP Michael Watts <i>Garver</i> Daniel Nix <i>City of Wichita Falls</i></p>	<p>Saving Time and Money in Wastewater Modeling and Master Planning! Robert Moss <i>Burgess & Niple</i></p>	<p>Do Me a Solid and Quit Hauling So Much Water Gil Barnett <i>CP&Y</i> Farida Goderya <i>City of Fort Worth</i> Amy Robinson <i>CDM Smith</i> Steven Nutter <i>City of Fort Worth Water Department</i></p>	<p>History and Development of Polyethylene Encasement for External Corrosion Control for Iron Pipelines Allen Cox <i>Ductile Iron Pipe Research Association</i> Jeff Kyle <i>Austin Water</i></p>
2:15 - 2:45 pm	<p>Case Study on TDS and Indirect Potable Reuse: Using TDS Mass Balances to Determine Surface Water Augmentation Limitations David Jackson, <i>Freese and Nichols</i> Nick Landes, <i>Freese and Nichols</i> Steve Hill, <i>City of Cleburne</i> James Randell, <i>City of Cleburne</i></p>	<p>The New Polymer Concrete Manholes: Breaking Down the Structures Made to Not Break Down Dean Vrla <i>Garver</i></p>	<p>Improve Process Performance While Reducing Power and Chemical Costs with Advanced Aeration Controls Alexandra Doody <i>CDM Smith</i> Maureen Neville <i>CDM Smith</i></p>	<p>Keeping Pace to Win the Race: Route Development for a Large Diameter Water Transmission Main in Fast Developing City Daniel Stoutenburg Jr., <i>Freese and Nichols</i> Olivia Kerss, <i>Freese and Nichols</i> Roberto Saucedo, <i>City of Fort Worth</i></p>
2:45 - 3:15 pm	<p>Under Pressure: Water Restrictions, Irrigation Demands, and the 5-Billion Dollar Development Steven Rhodes <i>Freese and Nichols</i> Clayton Barnard <i>Freese and Nichols</i> Art Hartle <i>City of Frisco</i></p>	<p>Winning the War Against Wipes Rick Valdez <i>JWC Environmental</i></p>	<p>Is it Time for MBR – A Comparison of MBR versus Traditional Wastewater Treatment Technologies Joshua Berryhill <i>eHT</i></p>	<p>Dead End Main Mitigation: A Multi-Faceted Approach to Optimize Water Quality Improvement Gabriel Ramirez, <i>City of Corpus Christi</i> Jennifer Klidies, <i>City of Corpus Christi</i> Crystal Ybanez, <i>City of Corpus Christi</i> Wes Nebgen, <i>City of Corpus Christi</i></p>
Networking Break in the Exhibit Hall 3:15 - 4 PM				
4:00 - 4:30 pm	<p>An Analysis of Water Governance Cooperation Over Shared State Water Reuse Goals in San Antonio, TX Lindsey Aldaco-Manner <i>Texas A&M University</i></p>	<p>Wastewater Collections Systems Wet Weather Calibration Methods – A Review of Methods – RTK vs System Response Curve Tom Davies <i>Jacobs Engineering</i> Brad Pierce <i>Jacobs Engineering</i></p>	<p>Anita, Sharon, Sue, or Paque: Selecting Who “Mox” All the Difference! Tye Jordan <i>Dewberry</i></p>	<p>Bridging the Gap: Galveston Causeway 8,500 LF Aerial Water Line Jared Barber <i>Freese and Nichols</i> Alan Hutson <i>Freese and Nichols</i> Daniel Christodoss <i>City of Galveston</i> James Johnson <i>Freese and Nichols</i></p>
4:30 - 5:00 pm	<p>Changing the Potable Reuse Equation Using Aquifer Storage and Recovery James Dwyer <i>HDR</i></p>	<p>Dallas Wastewater Collection System CMOM Program Ron Patel <i>Dallas Water Utilities</i></p>	<p>Is Peracetic Acid a Fit for My Utility Considering the Opportunities, Risks, and Unknowns? Thomas Worley-Morse <i>Hazen and Sawyer</i></p>	<p>Dallas Initiates Its First Use of Trenchless Waterline Rehab to Tackle Red Water Problem Wayne Hunter <i>RPS</i> Eduardo Valerio <i>Dallas Water Utilities</i></p>

TENTATIVE SCHEDULE TECHNICAL SESSIONS

WEDNESDAY AFTERNOON, APRIL 25

Water Treatment & Operations	Young Professionals	Safety & Security	Utility Management	
<p>Silver Buckshot: Tackling Nitrification with a Diverse Portfolio of Treatment Strategies Logan Burton LNV Daniel Grimsbo City of Corpus Christi</p>	<p>Vendor Coordination Efforts to Facilitate a Successful Project From Inception to Completion Katelyn Knippa CP&Y</p>	<p>Defending Critical Infrastructure Against Cyber Attacks Richard Witucki Schneider Electric</p>	<p>We Conserved and You Just Raised our Rates – But You Really Saved Money and Here is the Real Story Bill Hoffman H.W.(Bill) Hoffman & Associates</p>	1:15 - 1:45 pm
<p>What's Really Going on in that Filter? – Proactively Improving Filter Performance Through a Comprehensive Filter Assessment Ben Kuhnel, Arcadis Derek Littlejohn, City of Arlington Gail Charles, Arcadis Mohammad Bayan, City of Arlington Ashley Evans, Arcadis</p>	<p>Innovative Approach to Calculate I/I for SSES Study; City of Austin Case Study Grishma Shah Austin Water Mazen Kawasmi Freese and Nichols</p>	<p>When is There Too Much Security When it Comes to SCADA Systems?...NEVER Randy Petersen San Jacinto River Authority Matthew Volna San Jacinto River Authority</p>	<p>Identifying Revenue Recovery Opportunities for Wastewater Credit or Evaporative Credit Programs Eddie Wilcut Alan Plummer Associates Jonathan Kleinman AIQUEOUS</p>	1:45 - 2:15 pm
<p>Converting from Conventional Filtration to Biological Filtration at the 160 MGD Bachman WTP Greg Pope, Carollo Engineers Chaise Holmgren, DWU Eva Gorgi, DWU Jim Gallovich, Carollo Engineers Chance Lauderdale, HDR Engineering</p>	<p>To Fellow Millennials: Today's Rules for Managing Relationships and Conflict Chris Carrillo AECOM</p>	<p>Converting the Disinfection System of the 7th Largest City in the US to Onsite Generation from Gas Chlorine Jaime Kypuros Tetra Tech</p>	<p>Integrated Urban Water Management: Financial and Business Models for Utilities that Support Implementation in Cities in Texas Jacqueline Ashmore Boston University Margaret Cherne-Hendrick Boston University Victor Martin Boston University</p>	2:15 - 2:45 pm
<p>A Study of Sludge Handling at the 350 MGD East Water Purification Plant (EWPP) in the City of Houston David Hunn HDR Engineering Yong Wang City of Houston Xuan (Katie) Zheng HDR Engineering</p>	<p>Pump Selection 101: The Nuts and Bolts for New Designers Holly McCuiston Garver</p>	<p>Lead in Drinking Water at a South Texas University Jongmin Kim University of Texas Rio Grande Valley</p>	<p>Sharing Our Resources – How Abilene Priced its Newest Service Angie Flores Raftelis Financial Consultants Scott Hibbs Enprotec/Hibbs & Todd</p>	2:45 - 3:15 pm
Networking Break in the Exhibit Hall 3:15 - 4 PM				
<p>Enhanced Piloting + Special Design Studies = Resilient 320 MGD Expansion to Houston's NEWPP Paul Walker, Carollo Engineers Alan Domonoske, Carollo Engineers Eric Garza, City of Houston Andrew Molly, City of Houston Jasmin Zambrano, City of Houston</p>	<p>Educating Our Youth About the Water Industry Nancy Lundie Carollo Engineers</p>	<p>Why Accidents Happen: And What to Do About It Brad Peck Gulf Coast Authority</p>	<p>Effective Management of Water and Wastewater Utilities Operations using Rapidly Emerging Business Analytics Techniques – A Case Study at City of Houston Pratistha Pradhan City of Houston Fazle Rabbi City of Houston</p>	4:00 - 4:30 pm
<p>Chlorine Dioxide: Can This Complex Chemical Solve Your Challenge? Gabriel Ramirez City of Corpus Christi Marc Santos Hazen and Sawyer</p>	<p>A Master Plan for Everyone – How a Small City is Working with Developers to Provide Regional Wastewater Infrastructure Kendall Ryan, Freese and Nichols Ishita Rahman, Freese and Nichols Richard Weatherly, Freese and Nichols Kyle Jung, City of Manvel</p>	<p>Design and Construction Best Practices for Utility Pipelines Near Dams Anne Hoskins Freese and Nichols</p>	<p>NBU Capital Improvement Program – \$10M to \$250M in 5 Years Flat Drew Hardin Freese & Nichols Mike Short New Braunfels Utilities</p>	4:30 - 5:00 pm

TENTATIVE SCHEDULE TECHNICAL SESSIONS THURSDAY MORNING, APRIL 26

	Odor & Corrosion Control	Disaster Recovery	Water Resources	Laboratory
8:30 - 9:00 am	<p>The Good Neighbor: El Paso Water's Collection System Odor Control Strategy Anthony Chacon <i>Hazen and Sawyer</i></p>	<p>The Galveston Main WWTP Reconstruction Project – A Hurricane Recovery Success Story Christopher Varnon <i>CDM Smith</i> Gregory Frick <i>Balfour Beatty Infrastructure</i></p>	<p>Demonstrating Aquifer Storage & Recovery is an Effective Water Management Strategy for Texas Utilities Fred Blumberg, <i>Arcadis</i> Matthew Webb, <i>Texas Water Development Board</i> Trino Pedraza, <i>New Braunfels Utilities</i> Mark Hamilton, <i>Edwards Aquifer Authority</i> Lynn Short, <i>LSPS Solutions</i></p>	<p>Microbiological Testing in Minutes: Closing the Loop on Process Control and Risk Management Dave Tracey <i>LuminUltra Technologies Ltd.</i> Bill Travis <i>Thornton, Musso & Bellemin</i></p>
9:00 - 9:30 am	<p>Smelly Science: Eliminating Sporadic Sulfide Spikes within a Coastal Vacation Community Force Main Sewer William Garde <i>CDM Smith</i> Jennifer Harrison <i>CDM Smith</i> Srikanth Koduri <i>CDM Smith</i></p>	<p>1,000 Year Flood in the 4th Largest City – Houston Water's Treatment Plant Response to Hurricane Harvey Drew Molly <i>City of Houston</i> Jasmin Zambrano <i>City of Houston</i> Eric Garza <i>City of Houston</i></p>	<p>Lower Bois d'Arc Creek Reservoir (LBCR): The Future of North Texas Depends on it – A Summary of the Progress of the NTMWD's LBCR Program Aliza Caraballo <i>North Texas Municipal Water District</i> Steve Long <i>North Texas Municipal Water District</i></p>	<p>Lab Automation Today: Five Key Trends Impacting Your Laboratory Now Ken Ochi <i>Accelerated Technology Laboratories</i></p>
9:30 - 10:00 am	<p>Managing and Understanding Large Tunnel Ventilation Brian Huang <i>V&A Consulting Engineers</i> Christopher Hunniford <i>V&A Consulting Engineers</i></p>	<p>Don't Underestimate the Importance of Ancillary Facilities; A Tale of Resilience During Hurricane Harvey Yong Wang <i>City of Houston</i> Hanh Pham <i>City of Houston</i> David Munn <i>AECOM</i></p>	<p>Applying Seasonal Rainfall Forecasts When Implementing Drought Contingency Triggers for Water Supply Reservoirs in Texas Nelun Fernando <i>Texas Water Development Board</i> John Zhu <i>Texas Water Development Board</i> Solomon Negusse <i>Texas Water Development Board</i></p>	<p>A Fast Screening Method for Volatile and Semivolatile Contaminants in Drinking and Source Water by Solid Phase Microextraction and GC-MS Detection Xinwei Yan, <i>City of Houston</i> Narendra Joshi, <i>City of Houston</i> Jisen Wu, <i>City of Houston</i> Fabian Heaney, <i>City of Houston</i> Kira Smith, <i>City of Houston</i></p>
Networking Break in Technical Session Area 10:00 - 10:30 AM				
10:30 - 11:00 am	<p>WW Operations</p> <p>Find the Right Balance: Optimizing Startup of the Largest BNR Facility in Texas: A Seven-Year Journey Eric Redmond, <i>CH2M</i> Matt Jalbert, <i>Trinity River Authority</i> Leon Downing, <i>CH2M</i> Mike Young, <i>Trinity River Authority</i></p>	<p>After the Flood, Electrical and Automation Infrastructure Recovery Jeff Miller <i>Schneider Electric</i></p>	<p>Austin's Disaggregated Water Demand Model: A Tool for Managing Demand and Evaluating Alternative Supply Options Bruk Berhanu, <i>Austin Water</i> Joe Smith, <i>Austin Water</i> Marisa Flores-Gonzalez, <i>Austin Water</i> Teresa Lutes, <i>Austin Water</i></p>	<p>Industrial</p> <p>A Review of Pretreatment and Wastewater Treatment System Design in Methanol Production Facilities Americus Mitchell <i>Fluor</i></p>
11:00 - 11:30 am	<p>It's Simple Algae-bra, Keeping the Green Out of Secondary Clarification Patrick Stephens <i>Barge Waggoner Sumner & Cannon</i> David Ramirez <i>Brownsville Public Utilities Board</i></p>	<p>Lessons Learned Discussion Panel</p>	<p>Water Reuse Project Provides 100 MGD Raw Water Supply as Part of Long-Term Strategy David Burkhart <i>Garney Construction</i> Mark Miner <i>Garney Construction</i></p>	<p>Industrial Internet of Things: An Evolution From Device to Enterprise for Water and Wastewater Treatment Plants Francois Bravo <i>Schneider Electric</i></p>
11:30 - Noon	<p>A Gritty Topic: What Grit Technology is Really Superior? An Analysis of Mechanical Vortex Versus Stacked Tray Systems Jeff Sober <i>Garver</i> Charles Ortiz <i>Laguna Madre Water District</i></p>	<p>Lessons Learned Discussion Panel</p>	<p>Prioritizing DWUs System Wide Raw Water Facilities Rehab Program Utilizing a Business Risk Exposure Tool Randall McIntyre <i>Garver</i> Marc Cottingame <i>Dallas Water Utilities</i> Rick Zohne <i>Dallas Water Utilities</i></p>	<p>Emergency Pipeline Rehabilitation Ensures Raw Water Supply to Domtar Paper Mill Robert Cullwell <i>Carollo Engineers</i></p>

TENTATIVE SCHEDULE TECHNICAL SESSIONS THURSDAY MORNING, APRIL 26

Infrastructure Financing	Asset Management	Water Conservation	Pretreatment	
<p style="text-align: center;">Benefits of Financing Projects with WIFIA (Water Infrastructure Finance and Innovation Act) Loans Karen Fligger <i>US Environmental Protection Agency</i></p>	<p style="text-align: center;">How to Make the Most of Your CIP: Using a Risk Based Approach for Prioritizing Water Treatment Plant Renewal Chad Simmons <i>Freese and Nichols</i> Brett Buff <i>NTMWD</i> Yanbo Li <i>NTMWD</i></p>	<p style="text-align: center;">Water Conservation & Planning: Will What Got You Here, Get You There? Kevin Kluge <i>Texas Water Development Board</i></p>	<p style="text-align: center;">The EPA Pharmaceutical Point Source Category (40 CFR 439) and Understanding the Not So Subtle Nuances of the FDA OTC Active Ingredients List Joseph Fielding <i>Dallas Water Utilities</i></p>	8:30 - 9:00 am
<p style="text-align: center;">Alternative Delivery Mechanisms to Develop a Drought-Proof Water Supply for Texas: Understanding and Addressing Financial, Risk, Time, and Water Market Challenges via P3 Carlos Rubinstein <i>Poseidon Water</i></p>	<p style="text-align: center;">The Benefits of Building a Corporate Asset Management Network (Camn) Rhonda Harris <i>Tata & Howard</i></p>	<p style="text-align: center;">It's All About That Base! – Rebating Landscape Maintenance From the Ground Up Christopher Charles <i>Austin Water</i></p>	<p style="text-align: center;">Delineating an Industrial User as a Major Contributor of an Ammonia Source Tammy West <i>Austin Water</i></p>	9:00 - 9:30 am
<p style="text-align: center;">“That’ll Be The Day” That Water Rates Change in Lubbock! Chris Ekrut <i>NewGen Strategies & Solutions</i> Aubrey Spear <i>City of Lubbock</i></p>	<p style="text-align: center;">Taking Highly Effective Asset Management to new Heights Matt Jalbert <i>Trinity River Authority</i> Julie Hunt <i>Trinity River Authority</i> David Brewster <i>Trinity River Authority</i></p>	<p style="text-align: center;">Techniques for Assessing Water Conservation Potential Using Residential Irrigation Performance Alan Lewis <i>Texas A&M University</i> Chundun Khedun <i>Texas A&M University</i> Ronald Kaiser <i>Texas A&M University</i></p>	<p style="text-align: center;">An Overview of the Technically Based Local Limits (TBLLs) Development Process to Protect POTWs – Part 1 Rebecca Villalba <i>TCEQ - Water Quality</i> Murali Erat <i>Freese and Nichols</i></p>	9:30 - 10:00 am
Networking Break in Technical Session Area 10:00 - 10:30 AM				
<p style="text-align: center;">Planning for Maintenance Projects in a Capital Improvements World Tim O'Brien <i>Gresham Smith, and Partners</i> Leslie Castillo <i>Dallas Water Utilities</i></p>	<p style="text-align: center;">Wastewater Collection System Condition Assessment: Putting it All Together Justin Diviney <i>North Texas Municipal Water District</i> Mazen Kawasmi <i>Freese and Nichols</i> Jessica Brown <i>Freese and Nichols</i></p>	<p style="text-align: center;">Effectiveness of Watering Restrictions During Drought and Non-Drought Periods for the San Antonio Water System (SAWS) and the North Texas Municipal Water District (NTMWD) Jeremy Rice, <i>Freese and Nichols</i> Billy George, <i>North Texas Municipal Water District</i> Adam Conner, <i>San Antonio Water System</i></p>	<p style="text-align: center;">An Overview of the Technically Based Local Limits (TBLLs) Development Process to Protect POTWs – Part 2 Murali Erat <i>Freese and Nichols</i> Rebecca Villalba <i>TCEQ - Water Quality</i></p>	10:30 - 11:00 am
<p style="text-align: center;">It's Now or Never: Northlake's Growth and its Transition from a Supply District to Municipal System Frank Crumb <i>Half</i></p>	<p style="text-align: center;">Developing a Proactive City-Wide Stormwater CCTV Master Plan and Condition Assessment Program for San Antonio Noelle Gaspard <i>RJN Group</i></p>	<p style="text-align: center;">Water Conservation Plans 2019: Developing the Best Plan Possible Shae Luther <i>Texas Water Development Board</i></p>	<p style="text-align: center;">Redevelopment of Local Limits – the City of Houston Experience Tina Petersen <i>CDM Smith</i> Allison Osborne <i>City of Houston</i> Pam Madrigal <i>AEI Engineering</i></p>	11:00 - 11:30 am
<p style="text-align: center;">Detailed Cost Modeling + Well-Conceived Procurement Plans are Critical for Achieving Cost Certainty for Houston's \$1.4B Expansion to the NEWPP Jasmin Zambrano, <i>City of Houston</i> Paul Walker, <i>Carollo Engineers</i> Roy Bumpass, <i>Carollo Engineers</i> Steven Don Bjerke, <i>Carollo Engineers</i></p>	<p style="text-align: center;">Real Time As-Built Data Collection for Asset Inventory and Management Mark McGuire <i>Tarrant Regional Water District</i></p>	<p style="text-align: center;">Mining Water Consumption Billing Data for Targeted Education and Water Conservation Interventions Chundun Khedun <i>Texas A&M University</i> Alan Lewis <i>Texas A&M University</i> Ronald Kaiser <i>Texas A&M University</i></p>	<p style="text-align: center;">Preparing for a Pretreatment Program Audit and Investigation: Putting the Pieces Together David James <i>TCEQ - Water Quality</i></p>	11:30 - Noon

TEXAS WATER 2018 SCHOLARSHIP GOLF TOURNAMENT

Monday, April 23 • Brackenridge Park Golf Course



7 am check-in w/breakfast. 8 am Shotgun Scramble w/lunch, prizes & awards following. No on-site registration.

This year's event will be held at the historic Brackenridge Park Golf Course located just 2 miles north of downtown San Antonio at 2315 Avenue B. The historic 18 hole course is a 6,243 yards Par 71 and will host a maximum of 144 golfers. Brackenridge is the first public golf course in Texas, opening in 1916 and hosting the first Texas Open in 1922 and continuing through the 1950s. Brackenridge is now the location of the Texas Golf Hall of Fame. The course underwent a \$7.5 million dollar renovation in 2008. The tournament will include hole in one prizes at each of the par 3 holes including a golf resort vacation and a grand prize vehicle opportunity on the 18th hole par 3. Lunch, prizes and awards will be provided at the outdoor pavilion overlooking the 18th hole green. Raffle tickets will be sold at the event for door prizes after the tournaments. All profits from the Texas Water Golf Tournament go toward scholarship programs.

INDIVIDUAL REGISTRATION

\$125/person by 3/23/18; \$150 after; No later than 4/13/18

TEAM REGISTRATION

\$500/team by 3/23/18; \$600 after; No later than 4/13/18

SPONSORSHIP PACKAGES (Multiple sponsors available at each level):

PLATINUM: 2-Team registrations, Lunch Sponsorship, and company name on towel for every golfer...\$3,000

GOLD: Team registration, Breakfast Sponsorship and company name on koozie for every golfer...\$2,000

SILVER: Team registration, and company name on Goodie Bag Sponsorship...\$1,500

BRONZE: Team registration and company name on Tees/Ball Marker/Divot Tool for every golfer...\$1,000

INDIVIDUAL OR TEAM CAPTAIN

NAME: _____

Firm Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Cell Number: _____

Email: _____

TEAM 1 PLAYER NAMES (if applicable)

#2: _____

#3: _____

#4: _____

TEAM 2 PLAYER NAMES (if applicable)

#1: _____

#2: _____

#3: _____

#4: _____

THE EASIEST WAY TO REGISTER IS ONLINE!

www.txwater.org

Or mail form with payment to:

TW18 Golf Tournament

P.O. Box 676

Pflugerville, TX 78691

Or fax to **512-251-8152**

PAYMENT METHOD: Check Payable to "Texas Water"

Card #: _____ Expiration: _____

Cardholder Name: _____ Security Code: _____

Credit Card Billing Address: _____

Signature: _____

CALCULATE FEES

Individual Registration..... \$ _____

Team Registration..... \$ _____

Sponsorship Packages

(Multiple sponsors available at each level):

Platinum Package..... ___ x \$3,000..... \$ _____

Gold Package..... ___ x \$2,000..... \$ _____

Silver Package..... ___ x \$1,500..... \$ _____

Bronze Package..... ___ x \$1,000..... \$ _____

Sponsorship Opportunities

(Multiple sponsors available at each level; sponsorship sign to be given to sponsor):

Tee Box..... ___ x \$500..... \$ _____

Hole in One 18th Hole Vehicle

Grand Prize Sponsor..... ___ x \$2,000... \$ _____

Hole in One 2,8,10,15 Holes

Prize Sponsor..... ___ x \$1,000... \$ _____

Closest to the Pin..... ___ x \$250..... \$ _____

Longest Drive, Men..... ___ x \$250..... \$ _____

Longest Drive, Women.... ___ x \$250..... \$ _____

NAME FOR SPONSORSHIP SIGN:

Tournament Extra(s)

___ Mulligans (\$5/each)..... \$ _____

___ Forward Tee (\$20/team)..... \$ _____
on Par 5

TOTAL (add column at right) \$ _____

Tournament Chair:

Jaime Kypuros, 210-299-7916

jaime.kypuros@tetratex.com



TEXAS WATER 2018 REGISTRATION

April 23-26, 2018
San Antonio, Texas

Early Registration Deadline: April 2, 2018

Payment Must Accompany this Form or Registration Cannot be Processed

REGISTER ONLINE: www.txwater.org. PLEASE PRINT OR TYPE

FIRST NAME _____ LAST NAME _____

COMPANY _____ TITLE _____

NAME FOR BADGE _____

ADDRESS _____

CITY/STATE/ZIP _____

PHONE _____ MEMBER # _____ WEF AWWA

EMAIL (**REQUIRED FOR PROCESSING**) _____

This is my first time attending the Texas Water Conference

Received on/
before 4/2/18 Received
after 4/2/18

Full Registration - **MEMBER** \$295 \$345

Full Registration - **NON MEMBER** \$500 \$550

NON MEMBERS ONLY. Full registration at the non-member rate includes a free one-year membership to either WEF or AWWA. With full, non-member registration, please indicate which organization you wish to join (new members only - **no renewals**): WEF AWWA

Student (no meals) \$40 \$50

Tuesday Only - **MEMBER**
(includes Awards Lunch) \$165 \$195

Tuesday Only - **NON MEMBER**
(includes Awards Lunch) \$215 \$245

Wednesday Only - **MEMBER**
(includes Box Lunch) \$130 \$160

Wednesday Only - **NON MEMBER**
(includes Box Lunch) \$180 \$210

Thursday Only - **MEMBER** \$80 \$90

Thursday Only - **NON MEMBER** \$90 \$100

Guest Program \$125 \$135

Guest Name For Badge: _____

Exhibit Hall Only (4/24, 4/25) \$55 \$55

(Sorry: No one-day passes available)

THURSDAY FACILITY TOURS QUANTITY

Select Tour Below: x \$30 \$35

Tour 1: SAWS Dos Rios Water Recycling Center

Tour 2: SAWS H₂Oaks Center

Tour 3: San Antonio River Authority's WWTP

EXTRA TICKET QUANTITY

* Awards Lunch (TUES.) x \$65 \$70

* Awards Breakfast (WEDS.) x \$40 \$40

I plan to participate in the Curtis Smalley Environ. Event (Mon., April 23)

I plan to participate in the Dodson Drive Fun Run 5K (Tues., April 24)

I plan to attend the Women of Water Lunch (Box lunch ticket required; included in Full Registration or Wednesday Only. Or purchase ticket below.)

* Box Lunch (WEDS.) x \$35 \$40

* TW18 Wednesday Night Event.. x \$70 \$80

Gloyna Breakfast (Thurs.) x \$40 \$40

Donation "Water for People" - *Optional*

TOTAL PAYMENT (add right column)

* 1 ticket to event included with Full Registration

I have special dietary needs: Vegetarian

Other _____

**THE EASIEST WAY TO REGISTER
IS ONLINE: www.txwater.org**

PAYMENT METHOD:

Check Payable to Texas Water

Bill My: AMEX VISA MasterCard Discover

Card # _____

Expiration _____ Security Code _____

Cardholder Name _____

Signature _____

Credit Card Billing Address _____

(Put "Same" if same as above; necessary to process)

For more information, contact:

Texas Water

512-251-8101

Fax: 512-251-8152

texwater@texas.net

**Register online at www.txwater.org
or mail form with payment to:**

**Texas Water 2018 Registration
c/o GCP Association Services**

PO Box 676

Pflugerville, TX 78691

or fax to 512-251-8152

No refunds will be granted after April 2, 2018. A \$60 cancellation fee will be assessed to all refund requests made prior to April 2, 2018. Substitutions allowed. Substitutions may incur a \$25 processing fee. All refunds must be requested in writing. Email or fax refund requests to Texas Water at texwater@texas.net or (fax) 512-251-8152.

**Early registration deadline: April 2, 2018.
After April 16, registration only available onsite.**