

**2019 Water Reuse in Texas
McAllen Convention Center
Technical Program - May 24, 2019**

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| 8:00 am | Registration Open | |
| 8:30 am – 9:30 am | <p align="center">Opening General Session Introductions – Mark Vega, General Manager, McAllen PUB Welcome Remarks – Jim Darling, Mayor of McAllen Keynote – Pat Sinicropi, Executive Director, WaterReuse Association</p> | |
| 9:30 am – 10:00 am | Coffee Break | |
| | A1: They're doing What? (Case Studies) | B1: There are Rules, Man! (Regulatory) |
| | Moderator – Mark Sanchez, PSC | Moderator- Tom Taggart, San Marcos |
| 10:00 am – 10:30 am | Moving from Piloting to Design - El Paso Water's Advanced Water Purification Facility – <i>Sanaan Villalobos, Carollo</i> | A Salty Issue: Dissolved Solids Regulations in Texas – <i>Chris Pasch, Alan Plummer Assoc.</i> |
| 10:30 am – 11:00 am | Potable Reuse Case Studies for IPR & DPR Facilities in Florida – <i>Jennifer Ribotti – Tetra Tech</i> | Chapter 210 Regulations Overview and Evolution of Reclaimed Water Authorizations, – <i>Baltazar Lucero-Ramirez, TCEQ</i> |
| 11:00 am – 11:30 am | Customer Conversion to Use Recycled Water – <i>Pablo Martinez, San Antonio Water Systems</i> | Reuse Realities: Federal and State Regulatory Updates Water Rights and Water Quality- <i>Nathan Vassar, Lloyd Gosselink</i> |
| 11:30 am – 12:00 pm | Water Reuse in Australia: Global Trends and their Relevance to Texas – <i>Greta Zornes, Jacobs</i> | Framework for Controlling Organics in Direct Potable Reuse Projects – <i>Larry Schimmoller, Jacobs</i> |
| 12:00- 1:30 pm | Conference Lunch-Ed Archuleta Award | |
| | A2: Show me the Money | B2: Oil & Gas Matters |
| | Moderator – Theresa Pedrazas, Tetra Tech | Moderator- Michael Watts, Garver |
| 1:30 pm – 2:00 pm | How to "Win" under the new WIIN Act – <i>Collins Balcombe, Reclamation</i> | Beneficial Reuse of Oilfield Produced Water in Agriculture: A Fuzzy Logic Indexing Approach – <i>Amin Kiaghadi, U. Houston</i> |
| 2:00 pm- 2:30 pm | Assessment of Water Reuse Technology Selection Incorporating Regional Cost Factors – <i>Dylan Christenson, Black & Veatch</i> | Keeping Produced Water in the Water Cycle: HB 2771 Explained Panelists: Moderator - <i>Lydia Gromatzky, Hunton Andrews Kurth, David Galindo, TCEQ, David Cooney, RRC</i> |
| 2:30 pm- 3:00 pm | Innovative Supply Proposal Combines Brackish Groundwater Desal, ASR, and Energy Recovery – <i>David Harkins, Carollo</i> | Unlocking the 'Potential' of Electrochemistry for Managing Brine – <i>Eric Dole, Garver</i> |
| 3:00- 3:30pm | Networking Break | |
| | A3: Think Local | B3: We're all getting Treatment |
| | Moderator – Carlos Gonzalez, McAllen PUB | Moderator- Bryce Canady, Walker Partners |
| 3:30 pm- 4:00 pm | Water Reuse Implementation in McAllen: Past, Present and Future – <i>Ellen McDonald, Alan Plummer Assoc.</i> | Forward Osmosis: A Novel Solution for Reject Management in In-land RO and NF Operations – <i>Kamyar Sardari, Garver</i> |
| 4:00 pm- 4:30 pm | McAllen Expands Reclaimed Water Service to Master-Planned Community and Beyond – <i>Mark Vega, McAllen PUB</i> | Viruses, Color, and TOC - Oh my! The benefits of ozone-based treatment for reuse applications – <i>Eva Steinle-Darling, Carollo</i> |
| 4:30 pm | Conference Closing | |
| Alternate Speakers | Alternate #1 – Finding solutions to extend the life of 'legacy' water reuse projects Alternate #2 – When Drought and Rain Collide – A Case Study of Cape Town, South Africa | |