

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

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