



# 2024 TEXAS GROUNDWATER SUMMIT

Hyatt Regency Hill Country • San Antonio, TX • August 20-22

## AGENDA

*\*Monday, August 19 – Optional field trip add-on to San Antonio Water System H2Oaks Center\**

### Day 1 – Tuesday, August 20

- 8:30am**                      **Registration Table Opens**
- 9:30am – 11:00am**      **TAGD Annual Membership Meeting**
- 1:00pm – 3:00pm**      **Welcome Address**  
Adam Foster, Executive Director, Texas Alliance of Groundwater Districts
- Groundwater Rights in Texas**  
Charles Porter, Real Estate & Water Rights Consultant
- Panel - Playing by the Rules: GCD Violations & Enforcement**  
Moderator: Drew Satterwhite, General Manager, Canadian River Municipal  
                                 Water Authority  
John Martin, General Manager, Southeast Texas GCD  
Dave Mauk, General Manager, Bandera County River Authority & Groundwater District  
Stacey Reese, Attorney, Stacey Reese Law  
Patrick Wagner, General Manager, Middle Trinity GCD
- Hydrogen Energy Value Chain and Impacts on Water**  
Ning Lin, Center for Energy Economics Chief Economist, Bureau of Economic Geology
- 3:00pm – 3:30pm**      **Afternoon Break** (Sponsored by Edwards Aquifer Authority, Halff Associates, and McElroy  
                                 Sullivan Miller & Weber LLP)
- 3:30pm – 5:15pm**      **Keynote Address – Communication: The Last Frontier in Science**  
Dr. “Hurricane Hal” Needham, Extreme Weather and Disaster Scientist, GeoTrek
- Panel - All the Small Things: Studying & Managing Minor Aquifers**  
Moderator: Amy Bush, Hydrologist, RMBJ Geo  
Natalie Ballew, Groundwater Division Director, Texas Water Development Board  
Blaine Hicks, Staff Geologist, Upper Trinity GCD  
Bill Hutchison, Independent Groundwater Consultant  
Kevin Urbanczyk, Director of Rio Grande Research Center, Sul Ross State University
- 5:15pm – 6:15pm**      **Welcome Reception** (Sponsored by Brazoria County GCD)



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## Day 2 – Wednesday, August 21

- 7:30am**                      **Registration Table Opens**
- 7:45am – 8:15am**        **Breakfast Taco Bar** (Sponsored by Olsson and Upper Trinity GCD)
- 8:15am – 10:00am**    **Welcome & Opening Remarks**  
David Bailey, President, Texas Alliance of Groundwater Districts
- Legislative Interim Update**  
Sarah Kirkle, Director of Policy & Legislative Affairs, Texas Water Conservation Association
- Panel – Water Wisdom From NM, MS, and TN**  
Moderator: Kristen Fancher, Attorney, Fancher Legal PLLC  
Aron Balok, Superintendent, Pecos Valley Artesian Conservancy District  
Don Christy, Executive Director, Yazoo Mississippi Delta Joint Water Management District  
Sarah Houston, Executive Director, Protect Our Aquifer
- The Ripple Effect of Joint Groundwater Planning on Regional Water Planning**  
Andy Donnelly, Senior Hydrogeologist, Advanced Groundwater Solutions
- 10:00am – 10:30am**    **Coffee Break** (Sponsored by Edwards Aquifer Authority, Halff Associates, and McElroy Sullivan Miller & Weber LLP)
- 10:30am – 12:00pm**   **Keynote Address**  
Kelly Keel, Executive Director, Texas Commission on Environmental Quality
- Panel – Legislator Perspectives**  
Moderator: Adam Foster, Executive Director, Texas Alliance of Groundwater Districts  
Senator Nathan Johnson, District 16, Texas Senate  
Representative Stan Kitzman, District 85, Texas House of Representatives  
Senator Charles Perry, District 28, Chairman of Senate Agriculture, Water, & Rural Affairs Committee
- 12:00pm – 1:30pm**    **Luncheon** (Sponsored by North Texas GCD)
- 1:30pm – 3:00pm**        **Breakout Track A – Fundamentals of Groundwater Management**  
**Basics of Bottom-Up Water Planning in Texas**  
Robert Bradley, Groundwater Technical Assistance Manager, Texas Water Development Board  
**Demystifying GCD Permitting**  
Jake Steen, Attorney, Lloyd Gosselink Rochelle & Townsend  
**Anatomy of a Well**  
Joel Pigg, Texas Well Owner Network Coordinator, Texas A&M AgriLife Extension



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## Day 2 – Wednesday, August 21 (continued)

- 1:30pm – 3:00pm**     **Breakout Track B – Waste Not, Want Not: Advancements in Produced Water Reuse**  
**Critical Minerals in Produced Water**  
 Brent Elliott, Associate Research Professor, Bureau of Economic Geology  
**Land Application of Produced Water**  
 Adrienne Lopez, Technical Research & Development Manager, Texas Pacific Water Resources  
**New Rules for Oil & Gas Waste Pits and Recycling Facilities**  
 Virginia Palacios, Executive Director, Commission Shift
- 1:30pm – 3:00pm**     **Breakout Track C – Navigating the Intersections of Local Regulation**  
**Primer on the PUC and Water Providers**  
 Adam Friedman, Partner, McElroy Sullivan Miller & Weber LLP  
**Annexation and CCN Issues**  
 Emily Rogers, Managing Partner, Bickerstaff Heath Delgado Acosta LLP  
**Opportunities in Subdivision Regulation**  
 Marisa Bruno, Water Program Manager, Hill Country Alliance
- 3:00pm – 3:30pm**     **Afternoon Break** (Sponsored by Edwards Aquifer Authority, Halff Associates, and McElroy Sullivan Miller & Weber LLP)
- 3:30pm – 5:00pm**     **Breakout Track A (repeat) – Fundamentals of Groundwater Management**  
**Basics of Bottom-Up Water Planning in Texas**  
 Robert Bradley, Groundwater Technical Assistance Manager, Texas Water Development Board  
**Demystifying GCD Permitting**  
 Jake Steen, Attorney, Lloyd Gosselink Rochelle & Townsend  
**Anatomy of a Well**  
 Joel Pigg, Texas Well Owner Network Coordinator, Texas A&M AgriLife Extension
- Breakout Track B – Local Science Developments**  
**Hydrostratigraphic Model of the Trinity Aquifer for a Portion of Central Texas**  
 Vince Clause, Texas Groundwater Lead, LRE Water  
**San Solomon Springs Studies**  
 Rebecca Nunu, Principal Geoscientist, Edwards Aquifer Authority  
**Planning, Leadership, and Science: Developing the Bandera Well Longevity Model**  
 James Golab, Innovative Water Technologies Manager, Texas Water Development Board
- 3:30pm – 5:00pm**     **Breakout Track C – Leading Them to Water: Effective Public Outreach**  
**Applying Adult Learning Strategies for Better Engagement**  
 Amy Hays, Assistant Director of Development & Outreach, Oka' Water Institute  
**Outreach by Meeting People Where They're At**  
 Greg Wukasch, External Affairs Manager, San Antonio Water System  
**Making a Splash With Storytelling**  
 Leah Cuddeback, Storytelling & Public Engagement Manager, Hill Country Alliance



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## Day 2 – Wednesday, August 21 (continued)

**5:00pm – 6:00pm**    **Happy Hour Reception** (Sponsored by INTERA)

**8:00pm – 10:00pm**    **Drinks & Desserts Networking Event** (Sponsored by Real Edwards Conservation & Reclamation District)

## Day 3 – Thursday, August 22

**7:45am – 8:15am**    **Breakfast Taco Bar** (Sponsored by Olsson and Upper Trinity GCD)

**8:15am – 10:00am**    **Welcome**  
Adam Foster, Executive Director, Texas Alliance of Groundwater Districts

### **Panel - Emerging Management Issues for Large-Scale Production Permits**

Moderator: John Dupnik, Deputy Executive Administrator, Texas Water Development Board

Russell Johnson, Partner, McGinnis Lochridge LLP

Laura Martin, General Manager, Gonzales County UWCD

Carlos Rubinstein, Principal, RSAH2O

Steve Young, Principal Geoscientist, INTERA

### **Panel – Groundwater Crossroads: Perspectives From Agriculture, Ranching, and Wildlife**

Moderator: Jim Bradbury, Partner, James D. Bradbury PLLC

Andrew Earl, Director of Conservation, Texas Wildlife Association

David Gibson, Executive Director, Texas Corn Producers

James Oliver, Board Member, Texas & Southwestern Cattle Raisers Association

**10:00-10:30 am**    **Morning Break** (Sponsored by Edwards Aquifer Authority, Halff Associates, and McElroy Sullivan Miller & Weber LLP)

**10:30-12:15pm**    **Current Legal Issues - Litigation and GCD Action Appeals**

Greg Ellis, Attorney, GM Ellis Law Firm

Deborah Trejo, Partner, Kemp Smith Law

### **Head Above Water: How Professionals Can Avoid Burnout (1-Hour Ethics)**

Paul Jacobs, Staff Attorney, Texas Lawyers' Assistance Program