

**CONFERENCE CALL**

**Regional Water Innovation Partnership: “West Texas: The New American Oasis”**

**Monday December 18, 2017**

**Conference Bridge Dial-in Number: (641) 715-0632 - Access Code: 634478**

**Objective: Follow-up from October 17<sup>th</sup> Roundtable Meeting - Prioritize Next Steps for Demonstration Projects, Technology Showcases, and Regional Partnership Programs**

4:00-4:10pm	Introductions of Call-in Participants
4:10-4:20pm:	Review of Roundtable Findings and Recommendations
4:20-4:30pm	Additional Findings, Recommendations, Feedback
4:30-4:40pm:	Working Groups – Demonstration Hub, Regional Partnership
4:40-4:45pm:	Next Roundtable and Scheduling in Lubbock for 2018
4:45pm	Adjourn

**FINDINGS, RECOMMENDATIONS, NEXT STEPS FOR IMPLEMENTATION**

**I. Current Activities and Project Examples**

- Wofforth Project
- Edwards Trinity Well Site
- Salt Water Mitigation Project
- Winkler County NM-Texas Well Field
- Agriculture-Water Nexus Research Initiatives
- Hydrology Data, Mapping of Brackish Aquifers – High Resolution Modeling
- Tarleton University plant based polymers, radioactive nucleid treatment research (report due end of 2017, early 2018),
- North Plains Groundwater activities among TWDB, NRCS, TWCA to generate a “total resource management” strategy (e.g. “Master Irrigator Program”, faster adoption of new tools and technologies, required skills and certifications)
- Application of horizontal oil and gas drilling techniques for improved water management in Lamb County, including possible transition to non-energy related activities such as municipal or other business sectors

**II. Opportunities for Alignment, Collaboration – Potential Drivers for Demonstrations, Pilots**

- Thermal Heat, Distillation related to desalination, flare gas use
- Specific applications for funding “soft infrastructure” gaps (sensors, data, instrumentation) that improve operations, efficiencies, recovery or generating “new water” sources
- Adoption of midstream water management scenarios among oil and gas exploration, production as alternatives to fresh-water use
- Advanced pumping scenarios for management of aquifer levels
- Monitoring, responding to mixing brackish and fresh water supplies
- Engaging youth and student to become 21<sup>st</sup> century water data users, modelers, entrepreneurs

### **III. Demonstration Hub Suggested Projects**

- Prioritized by “Critical Objective” – urgent and necessary to regional water resiliency; “Objective” – high-horizon breakthroughs; Market-Response – industry consortia and international trade, technology promotion in search of demonstration facilities, sites
- Define specific performance baselines, outcomes, impacts (e.g. % of acres, gallons reduced, etc.); generate quarterly, annual reports for public distribution, knowledge-sharing forums
- Identify grants, contracts, sponsors, fee for service and alternative resources to support programs, implementation
- “Horserace”/ Side-by-Side Comparison of Brackish Desalination Units
- Next-Generation Smart-Irrigation
- Robust Non-Membrane Desalination, Treatment Alternatives
- Animal Production, Dairy Farm Consortia for Water Technology Innovations
- Link Recent Data Analytics and Modeling to Advanced Sensors, Meters, Equipment, Facility Design-Build-Operate-Maintain

### **IV. Regional Water Innovation Partnership Suggested Programs**

- Education, Incentivization of Smart Irrigation, New Best Practices for Agriculture Water Management
- Regional Data Portal and Clearinghouse
- Regional Economic Development Recruitment, Attraction Strategy (Uninterruptable Supply for Industries)
- Advocacy for Modernization of Regulatory, Rule-Making, Compliance to Mitigate Barriers to Innovation (including Lessons Learned)
- Communications, Outreach Strategy for Innovating Water in West Texas, including Youth and Student Engagement
- Coordinate with COG on Funding, Resource Applications
- Update, Deploy Dockum Report “V2.0 Recommendations”
- Assess and Pilot New Business, Economic Models for P3s/P4s Across Multiple Jurisdictions

### **V. Additional Roles, Responsibilities for Invitation to Regional Partnership Formation**

- West Texas City Managers
- High Ground Economic Development Partners
- Texas Railroad Commission
- Texas Department of Transportation