

## NOTICE OF OPEN MEETING

Notice is given that a **Regular Meeting** of the Board of Directors of the Barton Springs/Edwards Aquifer Conservation District will be held at the **District office**, located at 1124 Regal Row, Austin, Texas, on **Thursday, November 17, 2016**, commencing at **6:00 p.m.** for the following purposes, which may be taken in any order at the discretion of the Board.

Note: The Board of Directors of the Barton Springs/Edwards Aquifer Conservation District reserves the right to meet in Executive Session at any time during the course of this meeting to discuss any of the matters listed on this agenda, as authorized by the Texas Government Code Sections §551.071 (Consultation with Attorney), 551.072 (Deliberations about Real Property), 551.073 (Deliberations about Gifts and Donations), 551.074 (Personnel Matters), 551.076 (Deliberations about Security Devices), 551.087 (Economic Development), 418.183 (Homeland Security). No final action or decision will be made in Executive Session.

1. **Call to Order.**
2. **Citizen Communications (Public Comments of a General Nature).**
3. **Routine Business.**
  - a. **Consent Agenda.** *(Note: These items may be considered and approved as one motion. Directors or citizens may request any consent item be removed from the consent agenda, for consideration and possible approval as a separate item of Regular Business on this agenda.)*
    1. Approval of Financial Reports under the Public Funds Investment Act, Directors' Compensation Claims, and Specified Expenditures greater than \$5,000. **Not for public review**
    2. Approval of minutes of the Board's October 20, 2016 regular Meeting. **Not for public review at this time**
  - b. **General Manager's Report.** *(Note: Topics discussed in the General Manager's Report are intended for general administrative and operational information-transfer purposes. The Directors will not take any action unless the topic is specifically listed elsewhere in this agenda.)*
    1. **Standing Topics.**
      - i. Personnel matters and utilization
      - ii. Upcoming public events of possible interest
      - iii. Aquifer conditions and status of drought indicators
    2. **Special Topics.** *(Note: Individual topics listed below may be discussed by the Board in this meeting, but no action will be taken unless a topic is specifically posted elsewhere in this agenda as an item for possible action. A Director may request an individual topic that is presented only under this agenda item be placed on the posted agenda of some future meeting for Board discussion and possible action.)*
      - i. Review of Status Update Report – at directors' discretion **Pg. 12**

- ii. Update on GMA and regional water planning
- iii. Update on regulatory and enforcement activities
- iv. Update on District grant projects and other Aquifer Science Team projects
- v. Update on activities related to area roadway projects
- vi. Update on the HCP/ITP application and the associated draft EIS

**4. Discussion and Possible Action.**

- a. Discussion and possible action related to approval of the District's progress towards achieving goals and objectives in the District Management Plan in FY 2016, to be included in the District's Annual Report. **Pg. 19**
- b. Discussion and possible action related to consideration of a Well Drilling Authorization Application submitted by Gragg Tract LP to drill a well in the Lower Trinity Aquifer and to be used for mixed use development, which may include public water supply use and irrigation. **Pg. 78**
- c. Discussion and possible action related to approval of a Resolution on the Travis County portion of the Priority Groundwater Management Area. **Pg. 90**
- d. Discussion and possible action related to approval of an access agreement with the Hays County Emergency Services District No. 4) (dba Wimberley Volunteer Fire Department) to install and collect data from a multiport monitor well on their property. **NBU**
- e. Discussion and possible action for finalizing November 8, 2016 general elections including presentation of Certificate of Election to newly-elected directors; completion of statement of officer; administering oath of office to directors; and approval of bond. **Pg. 95**
- f. Discussion and possible action related to interim legislative activity of interest to the District. **NBU**
- g. Discussion and possible action related to the City of Dripping Springs TPDES permit application to authorize direct discharge of treated wastewater to Onion Creek in the contributing zone of the Barton Springs segment of the Edwards Aquifer. **NBU**

**5. Directors' Reports.** *(Note: Directors' comments under this item cannot address an agenda item posted elsewhere on this agenda and no substantive discussion among the Board Members or action will be allowed in this meeting. Communications reported under this item may be used to support Performance Standard 4-1 of the District's Management Plan related to demonstration of effective communication with District constituents.)*

Directors may report on their involvement in activities and dialogue that are of likely interest to the Board, in one or more of the following topical areas:

- Meetings and conferences attended or that will be attended;
- Committee formation and updates;

- Conversations with public officials, permittees, stakeholders, and other constituents;
- Commendations; and
- Issues or problems of concern.

**6. Adjournment.**

Came to hand and posted on a Bulletin Board in the Courthouse, Travis County, Texas, on this, the \_\_\_\_\_ day of November, 2016, at \_\_\_\_\_ .m.

\_\_\_\_\_, Deputy Clerk

Travis County, TEXAS

**Please note:** This agenda and available related documentation have been posted on our website, [www.bseacd.org](http://www.bseacd.org). If you have a special interest in a particular item on this agenda and would like any additional documentation that may be developed for Board consideration, please let staff know at least 24 hours in advance of the Board Meeting so that we can have those copies made for you.

The Barton Springs/Edwards Aquifer Conservation District is committed to compliance with the Americans with Disabilities Act (ADA). Reasonable accommodations and equal opportunity for effective communications will be provided upon request. Please contact the District office at 512-282-8441 at least 24 hours in advance if accommodation is needed.

**Item 1**

**Call to Order**

**Item 2**

**Citizen Communications**

## **Item 3**

### **Routine Business**

#### **a. Consent Agenda**

*(Note: These items may be considered and approved as one motion. Directors or citizens may request any consent item be removed from the consent agenda, for consideration and possible approval as a separate item of Regular Business on this agenda.)*

- 1. Approval of Financial Reports under the Public Funds Investment Act, Directors' Compensation Claims, and Specified Expenditures greater than \$5,000.**
- 2. Approval of minutes of the Board's October 20, 2016 Regular Meeting.**

## **Item 3**

### **Routine Business**

#### **b. General Manager's Report.**

Note: Topics discussed in the General Manager's Report are intended for administrative and operational information-transfer purposes. The Directors will not deliberate any issues arising from such discussions and no decisions on them will be taken in this meeting, unless the topic is specifically listed elsewhere in this as-posted agenda.

##### **1. Standing Topics.**

- i. Personnel matters and utilization**
- ii. Upcoming public events of possible interest**
- iii. Aquifer conditions and status of drought indicators**

##### **2. Special Topics.**

Note: Individual topics listed below may be discussed by the Board in this meeting, but no action will be taken unless a topic is specifically posted elsewhere in this agenda as an item for possible action. A Director may request an individual topic that is presented only under this agenda item be placed on the posted agenda of some future meeting for Board discussion and possible action.

- i. Review of Status Update Report – at directors' discretion**
- ii. Update on GMA and regional water planning**
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- iv. Update on District grant projects and other Aquifer Science Team projects**
- v. Update on activities related to area roadway projects**
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STATUS REPORT UPDATE FOR NOVEMBER 17, 2016 BOARD MEETING

Prepared by District Team Leaders

Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
<b>GENERAL MANAGEMENT TEAM</b>			
John Dajmick			
JD	11/10/2016	Meetings, Training, Presentations, and Conferences	External Meetings Attended: TWCA Groundwater Committee; RWQIP working group; EP logistics meeting; with LCRA and CoA on Dripping Springs permit; with Terry Franks (Rep. Isaac's office); with CAPCOG; TWCA Groundwater Committee; TAGD Correlative Rights Committee (Con Call); 30th anniversary planning committee; Presentations: TAGD leadership panel with Mary; with HTGCD on DS public meeting; Conferences/Seminars: TWCA fall conference
JD	11/10/2016	Ongoing Special Projects, Committees, and Workgroups	Ongoing Special Projects: TDS saline zone investigation, TWDB RFP grant; Dripping Springs TPDES draft permit review; Travis County PGMA; GMA 10 Explanatory Report; Committees and Workgroups: Region K (voting member); GMA 10 (voting member); Regional WQ Plan workgroup; Region K Legislation and Policy committee; Region K water supply strategy committee; Region K executive committee nomination committee; TAGD legislative committee (regional planning; ASR, brackish gw); TAGD Correlative Rights working group; TWCA groundwater committee; Travis County PGMA workgroup; Hill Country Conservancy Trust organizing group.
JD	11/10/2016	Routine Activities and Day-in-Day operations	Routine Activities/Day-to-Day Operations: provided general oversight of staff incentive projects and activities, and oversight of day-to-day operations; approved purchase orders and expenditures; approved timesheets; prepared agendas and backup for and attended Board meetings; prepared GM report and assigned tasks in response to Board commitments; held regular one-on-one meetings with Team Leaders; presided over Planning Team meetings; serve as liaison between Board and staff; support Board subcommittees; respond to media requests; disseminate media reports and journal articles of possible interest. Consultation with Attorney on: Dripping Springs TPDES draft permit review, Needmore application review; Other Activities: Travis County ILA; RFP grant project; EP test wells; coordinate annual report planning, PGMA workgroup, prepare for TWCA committee meetings; finalize comments on Dripping Springs permit; prepare for Dripping Springs Permit public meeting; prepare for TAGD Leadership panel on GM/Board interaction; provide comments at Travis County Commissioners' Court on PGMA; respond to financial auditor survey.
<b>ADMINISTRATION TEAM</b>			
Dana Christinae Wilson			
DCW	11/8/2016	Permittees accounts carrying a past due balance:	Currently there are just a couple past due accounts and unpaid late fees that are being addressed.
DCW	11/8/2016	Billings - current month	Invoices mailed out (with a November 16th invoice date) for November monthly production fees and 2nd quarter production fees.
SD/DCW	11/8/2016	FY 2016 Conservation Credit Donations to Camp Scholarships	Donations: Centex \$2138.76, Texas Lehigh \$656.55, Goforth \$600, Creedmore \$547.89, and Oak Forest \$130.22 for a total of \$4073.42.
DCW	11/8/2016	In process.	The Annual Report Appendix A is the audit, and Appendix B (as required from our Management Plan) is the Evaluation of Progress on Objectives and Performance Standards.
DCW	11/8/2016	FY 2016 Annual Financial Audit in process.	Fieldwork has mostly been completed which is the first step.
DCW	11/8/2016	In process of completing the MD&A (Management Discussion and Analysis) which is a required component of the audit report.	The MD&A provides an overview and summary-level analysis of the significant activities and situations that have financial reporting consequence for the fiscal year. This information is provided in conjunction with the financial statements that are included in the audit report.
DCW	11/8/2016	Annual TMI, payroll audit through Rdelong and Associated in Rockwall, Texas.	Completed on November 3rd.
DCW	11/8/2016	Looking into credit card payment options - there are three major considerations.	One is a physical credit card machine. Second is paying online through our website, and third is paying through Quickbooks which would be limited to just our permittees production fee payments.



	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Budget Revision 1 FY 2017	DCW	11/8/2016	Annual Budget 2017 Revision 1 - in process for a December meeting presentation.	To show additional income from Travis and Hays counties, and the associated expenses expected, and also to adjust the grant expenses and income. We have received \$80,000 from Hays County and are waiting on Travis County
Grant - TWDB Regional Facilities Planning	DCW	11/8/2016	Initial invoice being finalized for submission as soon as Category A is completed.	
Retirement Plan and Trust - Trust Accounting	DCW	11/8/2016	Trust Accounting as required by The Standard (our third party retirement plan administrator), and the State Pension Review Board	Annual compliance testing and compliance testing date validation with employee census data has been completed and will be submitted to the State Pension Review Board as required by law.
TEXpers Annual Membership	DCW	11/8/2016	TEXpers renewal (Texas Association of Public Employee Retirement Systems)	Renewal amount is based on assets, specifically the total market value of our retirement funds which include 3 main categories (guaranteed contracts once known as short-term investments, mutual funds/equity, and mutual funds/fixed income) for a total investment amount/market value of \$1,827,136.46 which required a payment of .000005%, which is \$9.13.
<b>REGULATORY COMPLIANCE TEAM</b> Vanessa Escobar				
Limited Production Permits (LPPs)	KBE, VE, SD	11/10/2016	Annual Meter Readings	Staff has identified approximately 15 Limited Production Permit (LPP) well owners who never had a meter installed on their wells upon the original well completion. Most of these well owners received a nonexempt domestic use permit from the District over 10 yrs ago. Because of the lack of a meter, they have not been able to comply with the LPP permit terms for the past several years. Staff has determined that the most efficient way of bringing these well owners into compliance with their permit requirements, is to provide them with the meter installation at no cost to them. Staff has researched the costs of providing this service and has determined that the cost is reasonable and fits within the available program budget for Regulatory Compliance Special Projects. The estimated cost is \$2500-\$3,500. We expect that the meters will be installed during November - December 2016.
Temporary/ Regular Permits	KBE, VE, SD	11/10/2016	Conversion of a Temporary Permit to a Regular Permit	Needmore Water LLC is currently a Temporary Permit that is being prepared for administrative completeness and public notice. A public hearing date is still to be determined.
Goforth WSC	KBE, VE, SD	11/10/2016	Replacement Well	The PWS has submitted an application to drill a new Edwards well to replace a nonfunctioning well. The nonfunctioning well had issues with an obstruction during the replacement of a pump. Goforth plans to plug the old well once the new well has been successfully completed. The Replacement Well Drilling Application was approved by the GM on 8/3/16. Well is currently being completed, no new update.
Aqua Texas	KBE, VE, SD	11/10/2016	Replacement Well	The PWS has submitted an application to drill one new Edwards well to replace two nonfunctioning wells in the offline Hummingbird System. The nonfunctioning well had issues with low production and water quality. Aqua plans to plug the old wells once the new well has been successfully completed. They also plan to conduct an abbreviated Aquifer Test and Hydrogeological Report. The Replacement Well Drilling Application was approved by the GM on 6/20/16. The two deteriorated wells have been plugged, the new well has been drilled and completed, and an abbreviated pump test has been conducted. The applicant has submitted a Hydrogeological Report for staff review.
Electro Purification	KBE, VE, SD	11/10/2016	Test Well Permit - General Permit	On 3/15/16 Electra Purification withdrew its Temporary Regular Permit application for 30,000,000 gal/yr and submitted a contemporaneous filing of 6 test well permit applications. EP has recently completed the 5+ days of pumping the first Test Well (Bridges 2). All of the monitor wells continue to be monitored during the well recovery phase for water quality/water level data.

	Leader, Staff	Date	PROJECT /ACTIVITY DESCRIPTION	STATUS/COMMENTS
				<p><b>General Summary of Procedures</b></p> <ol style="list-style-type: none"> <li><b>Background water levels and water quality sampling data will be collected from specific community monitoring wells prior to acidization/ aquifer testing.</b></li> <li><b>Acidization begins. 3 wells will be acidized total but one at a time:</b> <ul style="list-style-type: none"> <li>Well will be acidized by injecting 10,000 gal of HCL(28% aqueous solution) into the well into the producing cow creek interval.</li> <li>60,000 gal of water will be flushed into the well via reinstate pipe; well will sit for 2 days to allow acid reaction to take place.</li> <li>Well will be purged until there is no trace of inhibitors or HCL; discharge water will be collected into a holding truck; discharge water will be held in holding trucks until pH and TDS buffer and stabilize, then discharge water will be released to ground surface.</li> <li>Post water quality sampling data will be collected from specific community monitoring wells after to acidization/ aquifer testing.</li> <li>Process will be repeated for two other wells.</li> </ul> </li> <li><b>Aquifer Test begins. 3 wells will be producing water during a course of 8 to 10 weeks.</b> <ul style="list-style-type: none"> <li>Each well will be pumped one at a time. Each well will be pumped for 5 days at 500 gpm; then the well will be allowed to recover.</li> <li>After recovery, they will move on to pumping the next well.</li> <li>Total volume pumped will be approximately 10 million gallons</li> <li>Water that is produced during the aquifer test will flow through natural surface water flow paths to natural stock ponds or tributaries.</li> </ul> </li> </ol>
Industrial Asphalt	KBE, VE, SD	11/02/2016	Minor Amendment - TCEQ	<p>On 6/28/16 Industrial Asphalt submitted a minor amendment application requesting a production increase of their current 2,000,000 gpy permit to a 4,000,000 gpy. Their increase request is to replace the volume of water that they currently haul in from off site. The permit is currently being reviewed by staff. TCEQ received a complaint from a Ruby Ranch resident regarding sediment discharge into an Onion Creek tributary coming from the Hays Quarry property after a large rain even on August 20, 2016. TCEQ conducted an investigation on August 29, 2016 in which they found a notable high water debris line on quarry fence and evidence of a large volume of water leaving the quarry site. After walking the drainage path they also found a break in an earthen containment berm and alleged that the source of the sediment laden water was a stormwater retention pond on SE side of the quarry. Based on this investigation, TCEQ did issue a category C violation for failure to inspect and maintain physical structures to reduce pollutants in stormwater discharges. In order to resolve violation they will have to produce documentation that the berm was fixed and install erosion and sediment controls at the break. Westward Environmental indicated the violation has been rectified. This is Industrial Asphalt's 6th TCEQ violation since 2014 (4 stormwater, 2 WPAP)</p>
Grigg Tract LP	KBE, VE, SD	11/02/2016	Well Drilling Authorization	<p>On 6/27/16 Grigg Tract LP (Walters Southwest) submitted well drilling authorization to drill a Lower Trinity for the purpose of PWS and irrigation. The test well will be located on the the Grigg Tract off of Old Bliss Spillar in Manchaca near the SH-45 SW right of way. The applicant revised their application by withdrawing their Test Well Permit Application, and submitting a Drilling Authorization. They decided to move forward with drilling a completed well rather than a test well of temporary completion. The public comment period began on 10/24/16 and is scheduled to end on 11/14/16. As of this date staff has not received any comments, protests, or requests for hearing.</p>
General Manager Approved Permits	KBE, VE, SD	11/02/2016	Individual Permits < 2,000,000 galyr	No new update.
Drought Status - No-Drought	KBE, VE, SD	11/02/2016	Drought Compliance Monitoring and Enforcement	No new update. No-drought was declared on January 29, 2015. Staff sent out email and letters to all permittees notifying them of no-drought status.
<b>EDUCATION &amp; OUTREACH</b>				
Robin Gary				

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Edwards Aquifer Authority	RG	11/9/2016	Public Information collaboration meeting	Robin met with public information and landowner outreach staff to identify ways to collaborate and build off existing programs. The EAA recently celebrated their 20th year anniversary, so we discussed the party planning, additional commemorative add-ons, etc. EAA staff was interested in the Citizen Science pilot the District ran recently. We've shared resources and example materials.
Century 21 Realtors - Wimberley	RG, VE	11/9/2016	Presentation	Robin and Vanessa met with 20 realtors from Century 21 in Wimberley. Robin discussed ways wells can be an asset or a liability and the role of groundwater conservation districts in protecting landowners. Vanessa reviewed permitting options. The realtors had lots of questions and concerns about new restrictions and requirements in the new area of Hays County, particularly new lots in River Mountain Ranch.
Shield Ranch	RG	11/9/2016	Programming coordination	Robin met with Shield Ranch, LCRA, City of Austin Watershed, and Meadows Center staff to brainstorm opportunities to expand Shield Ranch educational programs. They are considering adding an additional travelling stewardship camp to their existing Mi Rancho and Conservation Corps camps. The stewardship camp would touch on similar topics to those discussed in Groundwater to the Gulf: A summer institute for educators.
CAPCOG	RG, JD	11/9/2016	Regional water planning	At the last General Assembly CAPCOG meeting, members tasked CAPCOG staff with researching ways that the COG could help facilitate water planning. John and Robin met with staff to explain general planning activities and roles of the different entities in the planning process. Areas where the COG could help provide representation/data analysis would be in areas with no GCD, looking at well drilling trends for the region, examining effects of out-of-basin transfers, and research Hill Country Studio findings.
Enews Blast	RG	11/9/2016	October eNews	The October eNews included the following articles: EP Aquifer Test Approved, Dripping Springs Wastewater Permit Update, Rainwater Revival, Barton Springs University Recop. It was released on Oct. 10, 2016 and was opened 1,377 times.
Internet Traffic Report	RG	11/9/2016	Page views and visits to the District Website	There were 2,635 total page views by 880 unique visitors. Top sites in order of number of views are the home page (576), EP spotlight (161), Dripping Springs spotlight (153), maps (103), staff (100). The District Facebook page now has 512 'Likes' and responses to posts have been very positive.
<b>AQUIFER SCIENCE</b>				
Dye Tracing	BS, BH	11/9/2016	Dye tracing	Discussions are underway with the EAA and COA about potential dye tracings in the upcoming months in the Blanco and Onion watersheds. The City has injected at various locations along SH45.
Central Hays County Groundwater Evaluation	BH, BS, JC	11/9/2016	Well and hydrogeology characterization	District staff have established a monitoring network of nearby wells to collect data during the EP aquifer test. Hays and Travis Counties have approved funds to support these efforts, including the installation of multipoint monitor wells.
Antioch Cave	BS, BH, JC	11/9/2016	Onion Creek Recharge Enhancement Project	There is currently no flow in Onion Creek at Antioch.
Water-Quality Studies	BS, BH, JC	11/9/2016	Sampling and analysis of groundwater and surface water	District staff are continuing work with a geochemist to evaluate the years of data we have collected on behalf of the TWDB.
Saline Zone Studies	BS, BH	11/9/2016	Installation of multipoint monitor well	Drilling began August 3, 2016 at the TDS site. Installation of the multipoint was finished on August 24. Testing and sampling of the well began on Oct. 13 and should be finished by about Nov. 15.
Drought and Water-Level Monitoring	BH, BS, JC	11/9/2016	Drought status, monitor wells, and synoptic water level events	As of Nov 9, the water level in the Lovelady well was at 544.2 ft above msl and continues declining, and Barton Springs was flowing at 112 cfs.
Information Transfer	BS, BH, JC	11/9/2016	Presentations, conferences, reports, and publications	Brian Hunt presented the results of the Onion Creek study in Corpus Christi, which was published for the GCAGS conference (Sept 2016). Staff are also working on finalizing some other technical reports and documents.
Aquifer Testing	BS, BH, JC	11/9/2016	Planning, participation, and review of aquifer tests	EP began their aquifer test of the Bridges #2 well on Oct. 24. They have had problems with the pump and generator, which have delayed the testing. Aquifer testing will likely continue until early December.

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
<b>AD-HOC TEAMS</b>				
Technical Team	BAS	11/9/2016	Current areas of discussion	Topics of discussion at the technical team meeting in September were the RFP grant, agreements with Hay and Travis Counties, IP aquifer test, and Dripping Springs issues. The October tech team meeting was cancelled because staff were busy with other tasks.
Planning Team	JD	11/10/2016	Strategic and tactical planning and discussion topics	New Business: Policy overview document edit; Legislative Update; Dripping Springs TPDIS permit; Annual Report overview (Appendix B), Management Plan revision planning.
Benefits Team	VE/SJ/TR	9/1/2016	Research alternative health plan benefits packages and provide recommendation.	The team provided staff with an employee benefits survey to assess employees' satisfaction with the Health Insurance Plan (United Healthcare All Savers). In Nov 2015 the District made the switch to this new plan to save costs while maintaining the same level of coverage that has been previously provided. The employees provided feedback that while there is an overall general satisfaction with most aspects of the plan, there are particular areas that have changed that increases costs to the employee. The District also received a renewal notice informing that the insurance rates will go up 16%. The ad hoc team will be meeting with the District's benefits coordinator to review some insurance plan comparisons. The team will produce a memorandum to summarize the feedback of the employee survey plan options.
Database Team	RG/VE	9/1/2016	Identify District database needs and research vendors and options for database improvements	<b>Current Database Scheme:</b> There are inefficiencies with the 10 yr old system including limited functionality, unreliable design structure that requires continuous maintenance and improvements, and inefficient or redundant workflows in the database system that increase staff time and effort.  <b>Objectives include:</b> This ad hoc team is working towards providing a recommendation in GM/Board for improving the efficiency of District operations through enhanced data management tools. Recommendation will address creating an integrated hydrologic database, streamlining the permitting and annual process, providing real time data access and entry, improving data analysis for management plan and JICP related reports, providing a robust QA/QC process for continuous monitoring data, and creating online accessibility of monitoring data for public education, Directors and staff.  <b>Team Activities:</b> The ad hoc team and staff are currently working through the exercise of identifying database needs and defining long term objectives for moving forward with the development of an integrated database management scheme. Currently, all of the core teams (Admin, AgSci, Lala Outreach, Reg Coups) are evaluating existing workflows and the existing database functions that we use. Staff met with Clearwater GCD and received an in-depth overview of their database investment and capabilities of their new data management tools.  <b>Next Steps:</b> Define the District's overall functionality and data management needs, research tools that other GCDs use, schedule data management demonstrations with GCDs and consultants, define a budgeting scope.
<b>UPCOMING ITEMS OF INTEREST</b>				
Only November Board Meeting		11/17/16		
RWQPP Working Group Meeting		11/18/16	11am, North by Northwest, South Austin	
Thanksgiving Holiday		11/24/16	District Holiday - Office Closed	
Day after Thanksgiving		11/25/16	District Holiday - Office Closed	
South Central Texas Water Research Interest Group		12/1/16	10am - 2pm, UTSA, San Antonio	
Austin Monitor City Summit		12/2/16	11am 12/3, TBD	
Hill Country Summit		12/8/16	9am - 5pm, New Braunfels Convention Center	
Only December Board Meeting		12/15/16		
District Holiday Party		12/16/16	6pm, Blayne's House	

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Christmas Eve (observed)		12/23/16	District Holiday - Office Closed	
Christmas Day (observed)		12/26/16	District Holiday - Office Closed	
Day after Christmas Day (observed)		12/27/16	District Holiday - Office Closed	
New Year's Day (observed)		1/2/17	District Holiday - Office Closed	
Groundwater Management Districts Association		1/9/17	thru 10/11, Fort Worth, Texas	
1st January Board Meeting		1/12/16		
Martin Luther King, Jr. Day		1/16/17	District Holiday - Office Closed	

## **Item 4**

### **Board Discussions and Possible Actions**

- a. **Discussion and possible action related to approval of the District's progress towards achieving goals and objectives in the District Management Plan in FY 2016, to be included in the District's Annual Report.**

## Record of Board Assessment of District Objectives (XXXX, 2016)

Objective	Board Motion (Vote)	Mover	Second
<b>Objective 1.</b> Assure the long-term sustainability of the District to carry out its mission as a GCD with excellence.			
<b>Objective 2.</b> Promulgate a fair and efficient regulatory program.			
<b>Objective 3.</b> Develop and implement an effective drought management program that achieves the adopted Desired Future Conditions (DFCs) of each relevant aquifer in the District.			
<b>Objective 4.</b> Demonstrate leadership in external communication, collaboration, coordination and joint planning with respect to groundwater and related resources.			
<b>Objective 5.</b> Extend current groundwater supplies by encouraging supply-side and demand-side improvements.			
<b>Objective 6.</b> Increase understanding of all District aquifers so that appropriate policy and regulatory decisions are made.			

## Staff Assessment of Performance Standards and Metrics

Met	Partially Met	Not Met
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Performance Standards	Metrics Met*	Staff Score
<b>Objective 1</b>		
PS 1-1: Hire, equip, train, evaluate, and motivate appropriate staff to achieve the District’s mission within budgetary constraints.	3 of 3	
PS 1-2: Align District plans, policies and programs with the District’s mission and vision, and regularly review and revise them, as warranted, to respond to changing circumstances that affect their need, effectiveness or implementation.	3 of 3	
PS 1-3: Ensure the District has the near-term and long-term financial basis and contractual wherewithal to support its mission.	4 of 4	
PS 1-4: Provide efficient administrative support and infrastructure, such that District operations are executed reliably and accurately, meet staff and local stakeholder needs, and conform to District policies and with federal and state requirements.	2 of 2	
PS 1-5: Provide mechanisms to align District <i>Rules</i> , policies, and programs with the will of its collective and precinct-level constituencies, within the constraints of statutes governing the District.	3 of 3	
PS 1-6: Provide leadership in promoting legislation and regulations that benefit the protection of the District’s groundwater resources and opposing legislation and regulations that harm those resources.	2 of 3	
<b>Objective 2</b>		
PS 2-1: Review and modify the <i>Rules</i> as warranted to provide and maintain a sound statutory basis for continued District operations and to ensure consistency with both District authority and programmatic needs.	2 of 2	
PS 2-2: Process and review all well registrations, permit renewals, and applications for permits, permit amendments, and authorizations in accordance with the <i>Rules</i> , <i>Well Construction Standards</i> , and other District	1 of 1	



guidelines in accordance within specified procedural timeframes.		
PS 2-3: Monitor existing District wells for compliance with the <i>Rules</i> , and <i>Well Construction Standards</i> .	<b>3 of 3</b>	
P-S 2-4: Efficiently process permittee meter readings, water use fee invoices and payments, conservation credits, permit renewals and related communications.	<b>1 of 1</b>	
<b>Objective 3</b>		
PS 3-1: Assist permittees in developing drought and conservation planning strategies, permit conversion strategies, pricing strategies, and enforce compliance with drought management rules during District-declared drought to achieve DFCs during extreme drought.	<b>N/A</b>	
PS 3-2: Monitor and declare drought stages on the basis of the analysis of data from the District's defined drought triggers and in accordance with the adopted drought trigger methodology.	<b>1 of 1</b>	
PS 3-3: Inform and educate permittees and the public about declared drought stages and the severity of drought, and encourage practices and behaviors to reduce water use.	<b>2 of 2</b>	
<b>Objective 4</b>		
PS 4-1: Cultivate and communicate effectively and routinely with stakeholders of all types that affect and are affected by the District's programs and policies.	<b>1 of 1</b>	
PS 4-2: Collaborate with joint Groundwater Management Area (GMA) and regional water planning efforts on policies, regulations, and activities affecting water quality or desired future conditions of the aquifers managed by the District.	<b>3 of 3</b>	
PS 4-3: Provide technical assistance as warranted to federal, state and local entities; organizations; and individuals on the geology, hydrogeology, and karst features impacted by groundwater-utilizing land use activities.	<b>1 of 1</b>	
PS 4-4: Through education and public outreach, inform groundwater users and the general public of the connectivity of recharge and discharge, importance of water quality protection, and the relationship between surface water and groundwater.	<b>4 of 4</b>	
PS 4-5: Prepare, submit, and maintain a draft and final Habitat Conservation Plan (HCP) and provide support of related National Environmental Policy Act documentation and processes for obtaining an Incidental Take Permit from	<b>2 of 2</b>	

the US Fish & Wildlife Service (FWS) for the endangered species at Barton Springs.		
<b>Objective 5</b>		
PS 5-1: On at least a bi-annual basis, assess the availability and feasibility of regional alternative water supplies and encourage District permittees to diversify their water supplies by fostering arrangements with available water suppliers.	N/A	
PS 5-2: Conduct investigations and, as warranted and feasible, physically alter discrete recharge features that will lead to an increase in recharge to the Edwards Aquifer.	2 of 2	
PS 5-3: Conduct investigations, as warranted and feasible, to evaluate the potential for the saline zone of the Edwards Aquifer to provide water for a desalination facility, and to evaluate the potential for the Edwards saline zone and the Trinity aquifers beneath the freshwater Edwards as reservoirs for an Aquifer Storage and Recovery (ASR) system.	1 of 1	
PS 5-4: Maintain and develop programs that inform and educate District groundwater users and area residents of all ages about water conservation practices and resources and use of alternate water sources including gray water/condensate reuse and rainwater harvesting.	1 of 1	
<b>Objective 6</b>		
PS 6-1: Assess aquifer conditions by sampling and collecting groundwater data from selected wells.	1 of 1	
PS 6-2: Conduct scientific studies to better determine groundwater availability, to understand and prevent threats to water quality, to minimize impacts to water-supply wells and springs, and to provide sound science on which to base District policy.	2 of 2	

\* refers to the number of metrics completely satisfied relative to the number of currently applicable metrics for each performance standard.

# Objectives with Performance Standards, Metrics Scoring, and Example Activities

Teams	General Management	General Services	Education & Outreach	Aquifer Science	Reg. Compliance
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## Objective 1 – Assure the long-term sustainability of the District to carry out its mission as a GCD with excellence.

Note: The 'example activities' for directors and staff listed below are intended by the Management Plan and therefore in this annual assessment to be only illustrative ones for this Objective and Performance Standard, and should not be construed as restrictive or mandatory in each or any one year. In addition, all are subject to the Board's actions indicating the District's current intent as to their scope and their priority with respect to other activities.

General Management					
Performance Standard 1-1:	Metric	Frequency	Score	Documentation	
1-1:	Hire, equip, train, evaluate, and motivate appropriate staff to achieve the District's mission within budgetary constraints.				
1.	Overall score of General Manager's annual performance review for fiscal year	Annual	Met satisfactory review	<ul style="list-style-type: none"> <li>GM annual performance review on file</li> <li>Reports of unresolved issues referenced to Board on file, if applicable.</li> </ul>	
2.	Number of instances of unresolved issues referred to the Board	Annual	Met 0	<ul style="list-style-type: none"> <li>Calculated annual turnover rate on file</li> <li>Annual FY Budgets on website and file</li> <li>Staff performance evaluations and salary adjustments on file</li> </ul>	
3.	Staff turnover rate net of reductions-in-force	Annual	Met 10% Reduction		
Example Board-Level Activities			Example Staff-Level Activities		
a.	Hire, evaluate, and fairly compensate an effective General Manager.				a. Assign and supervise staff in roles that utilize their strengths and promote teamwork.
b.	Address appropriately unresolved personnel issues between the General Manager and staff members, or upon request by the General Manager.				b. Evaluate staff performance regularly and constructively.
c.	Budget sufficient funds for salaries, wages, and benefits that will attract and maintain a staff that is sufficient to carry out the District's mission according to the prevailing <i>Management Plan</i> .				c. Develop and administer a staff compensation program that equitably rewards individual and team performance that advances the mission of the District.
d.	Communicate perceived concerns about staff performance issues and other personnel matters to the General Manager.				d. Provide opportunities for staff training and professional development.
					e. Maintain and improve staff morale and commitment to their job and the District.

**General Management**

**Performance Standard 1-2:** Align District plans, policies and programs with the District’s mission and vision, and regularly review and revise them, as warranted, to respond to changing circumstances that affect their need, effectiveness or implementation.

Metric	Frequency	Score	Documentation
1. Satisfactory progress toward or timely completion of revisions to the District’s <i>Management Plan</i> that are approved by TWDB	Every 5-years or as needed	<b>Met</b> MP completed in 2013	<ul style="list-style-type: none"> <li>• Director job descriptions on file</li> <li>• District strategic plan on file</li> <li>• Approved Management Plan on file</li> <li>• Current Rules and Bylaws on website and file</li> <li>• Roster of PAC</li> <li>• Agendas of PAC Meetings</li> <li>• Minutes approving annual budget</li> <li>• Resolution approving annual Fee Schedule</li> <li>• <i>Contingency &amp; Risk Management Plan</i> on file</li> </ul>
2. Establish a Contingency and Risk Management Plan and update it within one year of each <i>Management Plan’s</i> approval, at least once every two years thereafter	Biannual (Due: Jan, 2014)	<b>Met</b> Through HCP contingency response commitments	
3. Timely budgeting and amendments	Annual	<b>Met</b>	

Example Board-Level Activities	Example Staff-Level Activities
<p>a. Develop and be guided by a “Director Job Description” that sets forth the roles, responsibilities, and expectations of a District Director.</p> <p>b. Participate in development and updating of District strategic planning initiatives between approved revisions of management plans, including risk management and contingency planning.</p> <p>c. Participate in developing and updating and then approve District <i>Management Plan</i>, and <i>Rules &amp; Bylaws</i>.</p> <p>d. Provide liaison to staff concerning policy-level guidance and requests of individual staff through the General Manager.</p> <p>e. Establish and effectively utilize standing and <i>ad hoc</i> public advisory groups.</p>	<p>a. Participate in development and updating of District strategic planning initiatives between approved revisions of management plans, at Board’s discretion and direction.</p> <p>b. Participate in developing recommendations as to approaches and content of the District’s <i>Management Plan</i> and <i>Rules &amp; Bylaws</i>, and their revisions and amendments.</p> <p>c. Provide liaison between Board policy-level guidance/requests and staff direction.</p> <p>d. Help identify and recruit members of standing and <i>ad hoc</i> public advisory groups and administer their use.</p> <p>e. Provide quality assurance of District work product and deliverables.</p> <p>f. Establish and maintain a continuous improvement ethos and program.</p>

**General Services**

**Performance Standard 1-3:** Ensure the District has the near-term and long-term financial basis and contractual wherewithal to support its mission.

Lead Team	Metric	Frequency	Score	Documentation
General Services	1. A clean financial audit report each year; and	Annual	Met	<ul style="list-style-type: none"> <li>• Copy of Final Audit Report that is presented to the Board.</li> </ul>
	2. Absence of vendor problems and contractual disputes	Annual, if applicable	Met None	<ul style="list-style-type: none"> <li>• Minutes of the meeting where the audit was presented (audio also being available).</li> <li>• Copies of grant submissions; grant invoicing and quarterly reports if there is a current grant in progress.</li> </ul>
	3. Amount of activity concerning grant proposals and projects	Annual, if applicable	Met RWPG awarded	<ul style="list-style-type: none"> <li>• Copy of PFIA certificate.</li> </ul>
	4. Biannual receipt of official Public Funds Investment Act (PFIA) certificate for completing required training	Bi-Annual "Within each 2-year period after the first year"	Met Completed October 10, 2016	<ul style="list-style-type: none"> <li>• Proof of audit submission (transmittal letters) to TPRB and TCEQ annually (they send receipt and TCEQ within 210 days after end of FY, and TCEQ within 135 days after end of FY).</li> <li>• Budgets and financial reports published on web-site.</li> </ul>

**Example Board-Level Activities**

- Proactively develop and support legislative and other initiatives that attach a more realistic value to the groundwater resources within the District, especially in comparison to the costs of other local water resources.
- Participate in developing and then approve fiscal-year budgets, including use of reserve funds and approval of budget amendments.
- Specify various financial-impact scenarios that should be included in contingency planning.
- Authorize and receive results of annual financial audits, and institute accepted recommendations on financial controls or procedures.
- Help identify and approve appropriate use of grant funding and resource commitments that will substantially enable progress toward District objectives.

**Example Staff-Level Activities**

- Maintain finances in a manner that maximizes liquidity while maintaining the greatest return on District fund balances by investing in securities or investment pools that operate in low risk investments and are backed by the state and/or federal government.
- Provide effective and efficient accounting and financial records management and necessary investment training, in accordance with federal and state law, the *Rules*, and Board direction.
- Develop recommended elements and budgetary estimates for fiscal-year budgets and amendments.
- Contract for and participate in conducting an independent financial audit annually, including provision of financial records and preparation of management discussion and analysis, and

f. Establish purchasing policy and review and approve all contracts in accordance with the policy and upon legal review and approval as to form.

- e. submit year end reports to TCEQ and the Texas State Pension Review Board as required by law.  
Help identify appropriate grant funding and resource commitments and utilize grant resources to leverage existing resources substantially with minimum opportunity costs.
- f. Publish budgets, current-period, year-to-date summary financial information and transaction-level information on the District website as part of the Open Government initiative.
- g. Acquire and manage projects in accordance with good project accounting and management practice and in conformance with sponsoring agency requirements.
- h. Obtain contracts for services in accordance with established District standards, and coordinate acquisition activities ensuring cost-effectiveness and quality by utilizing purchasing procedures that meet both District policy, state law, and the *Rules*.

**General Services**

**Performance Standard 1-4:** Provide efficient administrative support and infrastructure, such that District operations are executed reliably and accurately, meet staff and local stakeholder needs, and conform to District policies and with federal and state requirements.

Metric	Frequency	Score	Documentation
1. Absence of claims of OMA and PIA violations by external parties	Annual, if applicable	<b>Met</b> No violations or claims	<ul style="list-style-type: none"> <li>• Copy of current TSLAC –approved records retention schedule.</li> <li>• Copy of list of approved-destroyed records.</li> <li>• Copy of annual TML Rerate Exposure Summary.</li> </ul>
2. Lack of staff complaints about continuing problems with support services and infrastructure	Annual, if applicable	<b>Met</b> No formal complaints	

**Example Board-Level Activities**

- Receive training on and comply with Open Meetings Act (OMA) and Public Information Act (PIA) requirements.
- Provide budget allocation for the required administrative activities on continuing basis.

**Example Staff-Level Activities**

- Ensure that directors and appropriate staff receive training in and stay current with OMA and PIA requirements, and that daily District operations comply with those standards.
- As administrative liaison to Board, develop, post, and distribute District Board agendas, meeting materials, and backup documentation in a timely and required manner; post select documents on the District website, and maintain official records, files, and minutes of Board meetings appropriately.
- As Records Management Officer, maintain, retain, and control all District records in accordance with the Texas State Library and Archives Commission-approved District Records Retention Schedule to allow for safekeeping and efficient retrieval of any and all records, and annually audit records for effective management of use, maintenance, retention, preservation and disposal of the records' life cycle as required by the Local Government Code.
- As needed, update retention schedule in accordance with the Texas Administrative Code requirements, and file any amended retention schedule with the Texas State Library.
- Maintain the office building and grounds, office equipment, and supplies to provide an efficient work environment that meets the needs of the staff and stakeholder community.

- f. Perform cost-benefit analyses on all District insurance and employee-benefit policies before renewal, and acquire or renew all District policies in a timely fashion.
- g. Maintain District vehicles in good operational condition.
- h. Maintain and evaluate needed enhancements to the District computer system and network to facilitate District productivity and to support District programs and projects.



**General Services**

**Performance Standard 1-5:** Provide mechanisms to align District Rules, policies, and programs with the will of its collective and precinct-level constituencies, within the constraints of statutes governing the District.

Metric	Frequency	Score	Documentation
1. Maintaining a full Board; properly conducted director elections	Annual	<b>Met</b> Precincts 1,3, and 4 incumbent Directors ran unopposed	<ul style="list-style-type: none"> <li>Board communications documentation required under PS 4-1</li> <li>Directors' Board meeting attendance reports</li> <li>Copy of election documents (only required to retain for 2 years)</li> </ul>
2. Effective participation in Board activities and representation of constituents by each of the five (5) Board members	Annual	<b>Met</b>	
3. Properly conducted director elections	Biennial, if at all	<b>Met</b> Incumbents ran unopposed, Elections cancelled	

**Example Board-Level Activities**

- Regularly visit with a spectrum of stakeholder interests in the single-member precincts and with the legislative community being represented by the directors as to their needs and concerns.
- Solicit candidate(s) to campaign every four (4) years for each director precinct place on Board, authorize or cancel an election, and canvass election results, as warranted.
- Authorize and participate in decennial and other re-districting, ensuring Department of Justice (DOJ) pre-clearances and conformance with statutory requirements.
- Utilize advisory groups to calibrate stakeholder inputs and possible responses, as needed.

**Example Staff-Level Activities**

- Support District's general counsel in re-districting director precincts the year after each decennial census, including timely submission of all DOJ-required data and documents for successful pre-clearance, as necessary.
- Make internal preparations for and conduct elections for the two or three directorships up for election biennially in even-numbered years in concert with county election offices, and in accordance with state and federal election laws, and as required by TWC Chapter 36.
- Prepare all election contracts with associated entities including election services contracts and joint election agreements, and all necessary orders and notices to conduct or to cancel an election.

**General Management**

**Performance Standard 1-6:** Provide leadership in promoting legislation and regulations that benefit the protection of the District's groundwater resources and opposing legislation and regulations that harm those resources.

Metric	Frequency	Score	Documentation
1. Preparation of a <i>Legislative Agenda</i> report before the end of each even-numbered fiscal year that reflects the consensus of the Board concerning the next session	Bi-Annual, even # years (Due: 2016)	<b>Not Met (See 1-6 progress report)</b>	<ul style="list-style-type: none"> <li>• <i>Legislative Agenda Report</i> on file</li> <li>• <i>Legislative Debriefing Report</i> on file</li> <li>• Minutes of the Board meeting(s) where collective judgments were made on file</li> </ul>
2. Preparation of a <i>Legislative Session De-briefing</i> report before the end of each odd-numbered fiscal year that assesses specific legislation that affects the District, both individually and as a GCD political subdivision, that passed and did not pass, and generally why that occurred	Bi-Annual, odd # years	<b>Met</b> Report provided on 6-25-15	
3. Collective judgment of the Board as to appropriateness of what was pursued legislatively, what actions were taken, and what outcomes were achieved	Bi-Annual, odd # years	<b>Met</b> Approved by Board on 6-25-15	
4. Collective judgment of the Board as to appropriateness of what litigation or contested-cases were pursued, what actions were taken, and what outcomes were achieved	Annual	N/A No new litigation	
<p align="center"><b>Example Board-Level Activities</b></p>			
<p>a. Propose and support legislation and regulatory initiatives that control and prevent point/nonpoint-sources of pollution and cross-formational contamination of the aquifers managed by the District.</p> <p>b. Oppose legislation or regulatory initiatives that don't ensure protection of groundwater quantity and quality, including non-compliance with DFCs.</p> <p>c. Meet with local legislators and relevant committee members to foster an effective working relationship.</p> <p>d. Seek legal remedies as warranted and feasible to minimize or avoid impacts on groundwater quantity and quality of aquifers in the District.</p>	<p align="center"><b>Example Staff-Level Activities</b></p> <p>a. Support District's general counsel in re-districting director precincts the year after each decennial census, including timely submission of all DOJ-required data and documents for successful pre-clearance, as necessary.</p> <p>b. Make internal preparations for and conduct elections for the two or three directorships up for election biennially in even-numbered years in concert with county election offices, and in accordance with state and federal election laws, and as required by TWC Chapter 36.</p>		

c. Prepare all election contracts with associated entities including election services contracts and joint election agreements, and all necessary orders and notices to conduct or to cancel an election.

## Objective 2 – Promulgate a fair and efficient regulatory program.

Note: The 'example activities' for directors and staff listed below are intended by the Management Plan and therefore in this annual assessment to be only illustrative ones for this Objective and Performance Standard, and should not be construed as restrictive or mandatory in each or any one year. In addition, all are subject to the Board's actions indicating the District's current intent as to their scope and their priority with respect to other activities.

Regulatory Compliance			
Performance Standard 2-1:	Review and modify the <i>Rules</i> as warranted to provide and maintain a sound statutory basis for continued District operations and to ensure consistency with both District authority and programmatic needs.		
Metric	Frequency	Score	Documentation
1. Rulemaking process is initiated and conducted in accordance with all statutory requirements and required timeframes	Annual, if applicable	Met Rules adopted 4-28-16	<ul style="list-style-type: none"> <li>• Rule concepts and draft rule documents on file</li> <li>• Hearing notices (published, county, mailed/e-mailed, etc.) for rulemaking on file</li> <li>• Audio of hearing maintained on file</li> <li>• Minutes of meetings approving rules on file</li> <li>• Adopted rules on website</li> </ul>
2. Rules are in alignment with District policies and objectives as determined by the Board with PAC input in even-numbered years	Annual, if applicable	Met Tech Committee Convened for 4-28 rules	
Example Board-Level Activities		Example Staff-Level Activities	
a. Provide direction and input to staff to guide the development of proposed rule concepts and draft rules.	b. Appoint and convene <i>ad hoc</i> policy advisory committees to review and comment on District policies and proposed rules revisions as warranted.	c. Conduct public hearings for proposed rule changes.	d. Adopt necessary rule updates and revisions as warranted.
a. Periodically review and provide proposed rule concepts to the Board to address necessary updates and revisions.	b. Consider rule updates and revisions needed to address specific needs of separate management zones for the different areas and aquifers within the District.	c. Upon direction by the Board, prepare draft rules based on vetted rule concepts and Board input.	d. Schedule and provide required notification of public hearings for proposed <i>Rule</i> changes.
			e. Make the adopted revised <i>Rules</i> available to the public after adoption by the Board.

**Regulatory Compliance**

<p><b>Performance Standard 2-2:</b></p>	<p>Process and review all well registrations, permit renewals, and applications for permits, permit amendments, and authorizations in accordance with the <i>Rules, Well Construction Standards</i>, and other District guidelines in accordance within specified procedural timeframes.</p>		
<p><b>Metric</b></p>	<p>1. Requests for permits and authorizations are processed in accordance with all statutory requirements and required timeframes.</p>	<p><b>Frequency</b></p> <p>Annual</p>	<p><b>Score</b></p> <p><b>Met</b></p>
<p><b>Documentation</b></p> <ul style="list-style-type: none"> <li>• Permit and registration applications and associated documents maintained on file</li> <li>• Hearing notices (published, county, mailed/e-mailed, etc.) for permits on file, if applicable</li> <li>• Audio of hearing maintained on file</li> <li>• Minutes of meetings approving permits on file, if applicable</li> <li>• Hydrogeological reports maintained on file, if applicable</li> <li>• Permit application fact sheets maintained on file, if applicable</li> <li>• Minutes from Board meetings approving permit renewals</li> </ul>			
<p align="center"><b>Example Board-Level Activities</b></p>			
<p>a. Conduct public hearings for certain permits and authorizations.</p>			
<p>b. Take appropriate action on certain requested permits and authorizations presented to the Board considering application information, staff recommendations, and the District <i>Rules and Bylaws</i>.</p>			<p>a. Register all new wells.</p> <p>b. Review and process well registration forms, plugging authorizations, and permit-by-rule authorizations.</p> <p>c. For all other applications, review and make determinations of administrative completeness.</p> <p>d. Require and receive results of aquifer tests for certain production permits and amendments.</p> <p>e. Assist applicants with planning and execution of all aquifer tests in accordance with the District's Aquifer Test Guidelines.</p> <p>f. Evaluate complete production and transport permit applications on the basis of: beneficial use, non-speculative needs, reasonable demand, the ability to comply with drought management requirements, and the ability to conform to management zone requirements.</p> <p>g. Evaluate all complete permit and authorization requests on the basis of potential for impact to sustainable groundwater</p>

- quantity and quality, public health and welfare, contribution to waste, unreasonable well interference.
- h. Provide recommendation formed on the basis of staff evaluation for Board or General Manager consideration of certain permits and authorizations.
  - i. Schedule and provide required notification of public hearings for certain requested permits and authorizations.
  - j. Perform well site inspections before and after the drilling of each new well.
  - k. Prior to permit renewal, review all permits for compliance with *District Rules and Bylaws*.

**Regulatory Compliance**

**Performance Standard 2-3:** Monitor existing District wells for compliance with the *Rules*, and *Well Construction Standards*.

Metric	Frequency	Score	Documentation
1. Specified minimum number of permittee inspections completed or exceeded each year;	Annual	<b>Met</b> 32 inspections/site visits conducted	<ul style="list-style-type: none"> <li>• Routine inspection documentation maintained on file</li> <li>• Database report of reported and collected meters readings</li> <li>• Enforcement plan on website</li> <li>• Minutes of Board-approved enforcement actions on file</li> <li>• Investigations reports on file</li> <li>• NOAVs and enforcement orders on file</li> </ul>
2. The majority of all documented violations are brought into compliance or are addressed by a Board Order within six (6) months of the staff-established compliance deadlines;	Annual, if applicable	<b>Met</b>	
3. During drought, all required meter readings are submitted or collected each month.	Annual, if drought declared	<b>Met</b>	

Example Board-Level Activities	Example Staff-Level Activities
<p>a. Provide direction to staff for enforcement of unresolved violations of the <i>Rules</i> as warranted.</p>	<p>a. Register all newly identified unregistered wells.</p> <p>b. Conduct inspections of at least ten selected permittee systems (not including NDUs) each fiscal year for compliance with the <i>Rules</i>.</p> <p>c. Identify and notify individual permittees of any rule violations and take appropriate steps to ensure compliance.</p> <p>d. Notify abandoned well owners and monitor to ensure wells are properly plugged or brought into compliance.</p> <p>e. Perform well site inspections before each well plugging.</p> <p>f. Obtain meters readings by site inspections from individual permittees who fail to submit after late submittal notification has been provided.</p> <p>g. Monitor usage of individually permitted wells monthly and NDUs at least annually.</p> <p>h. Provide compliance updates and enforcement recommendations to the Board as warranted in accordance with the adopted enforcement plan.</p>

**General Services**

**Performance Standard 2-4:** Efficiently process permittee meter readings, water use fee invoices and payments, conservation credits, permit renewals and related communications.

Metric	Frequency	Score	Documentation
1. Timely processing of permit renewals, conservation credits, and meter readings within timeframes specified in <i>Rules</i> or policies.	Annual	<p align="center"><b>Met</b></p>	<ul style="list-style-type: none"> <li>• Annual conservation credit spreadsheet and minutes from Board meeting where presented.</li> <li>• Database reports.</li> <li>• Copy of permittee mailing lists.</li> <li>• <b>Copy of underpumpage analysis spreadsheet and minutes from Board meeting where presented.</b></li> <li>• Copy of permittee billings spreadsheets and minutes from Board meeting where permits are conditionally renewed.</li> </ul>
<p align="center"><b>Example Board-Level Activities</b></p>			
a. Issue conservation credits annually based on the annual conservation credit audit and staff recommendations.	a. Require timely-submitted monthly readings from individually permitted wells, enter all meter readings into the database, and file all monthly meter reading forms. b. Maintain permittee mailings lists and contact information in database. c. Annually renew compliant production and transport permits by September 1 of each year. d. Perform annual underpumpage analysis as warranted and provide recommendations for Board consideration. e. Perform annual conservation credit audit.		<p align="center"><b>Example Staff-Level Activities</b></p>



**Objective 3 – Develop and implement an effective drought management program that achieves the adopted Desired Future Conditions (DFCs) of each relevant aquifer in the District.**

Note: The 'example activities' for directors and staff listed below are intended by the Management Plan and therefore in this annual assessment to be only illustrative ones for this Objective and Performance Standard, and should not be construed as restrictive or mandatory in each or any one year. In addition, all are subject to the Board's actions indicating the District's current intent as to their scope and their priority with respect to other activities.

Regulatory Compliance			
Metric	Frequency	Score	Documentation
<p><b>Performance Standard 3-1:</b> Assist permittees in developing drought and conservation planning strategies, permit conversion strategies, pricing strategies, and enforce compliance with drought management rules during District-declared drought to achieve DFCs during extreme drought.</p> <p>1. Achieve overall monthly pumpage reductions within 10% of the aggregate pumpage reduction (volumetric) goal of the prevailing drought stage.</p>	Annual, during declared drought	N/A No Drought Declared	<ul style="list-style-type: none"> <li>Database drought analysis reports</li> <li>UDCP templates and/or guidance documents on website and file</li> <li>Drought notifications sent to permittees on file</li> <li>Overpumpage notices sent to permittees on file</li> <li>Enforcement plan on website</li> <li>Written correspondence, memos to Board, and other pertinent documentation related to pre-enforcement and enforcement activity on file</li> <li>Annual Drought Compliance Report, with monthly "horseblankets" in appendix, on file</li> </ul>
Example Board-Level Activities			
<p>a. Provide direction to staff for enforcement and fee assessment for permittee violations of the <i>Rules</i> and applicable provisions of permittee's User Drought Contingency Plans (UDCPs).</p>		<p><b>Example Staff-Level Activities</b></p> <ol style="list-style-type: none"> <li>Assist and support permittees with the development, implementation, and interpretation of User Conservation Plans (UCPs) and UDCPs in accordance with the <i>Rules</i> and as warranted.</li> <li>Review and approve submitted UCPs and UDCPs in accordance with the <i>Rules</i>.</li> <li>Require that all outdated UCPs and UDCPs are updated prior to annual permit renewal in accordance with the <i>Rules</i>.</li> <li>Upon declaration of drought, send notification to all permittees of requirement to implement and comply with all applicable provisions of their prevailing UDCCP.</li> </ol>	

- e. Perform monthly evaluation of individual permittee compliance with monthly pumpage limits in accordance with the adopted enforcement plan.
- f. Send notices of overpumpage to all noncompliant permittees each month.
- g. Evaluate, stipulate, and enforce conservation-tier pricing for water-provider permittees to reduce demand by end-users. *Directors note that by rulemaking the Board has restricted the scope of this activity to providing information and incentives to help permittees develop and deploy conservation-oriented water pricing structures and not include enforcement of a particular pricing structure. This comprises a possible future correcting amendment of the Management Plan.*
- h. Identify occurrences of noncompliance that warrant possible enforcement action and are subject to assessment of drought management fees.
- i. Provide compliance updates and enforcement recommendations to the Board in accordance with the adopted enforcement plan.

**Aquifer Science**

**Performance Standard 3-2:** Monitor and declare drought stages on the basis of the analysis of data from the District's defined drought triggers and in accordance with the adopted drought trigger methodology.

Metric	Frequency	Score	Documentation
1. Acceptable-to-Board proportion of timely updates of all drought related information during drought.	Annual	Met	<ul style="list-style-type: none"> <li>Copies of Drought Chart for periods of declared drought</li> </ul>

Example Board-Level Activities	Example Staff-Level Activities
a. Make drought declarations considering the current aquifer conditions relative to defined drought triggers, the adopted drought trigger methodology, and staff recommendations.	<ol style="list-style-type: none"> <li>Review relevant aquifer data on a monthly basis when not in drought.</li> <li>Periodically provide updates to the Board on current aquifer conditions and provide recommendations of drought declarations as warranted.</li> <li>Confirm drought flows from Barton Springs that are indicated by monitoring well data with in-stream discharge (e.g., flow-meter) measurements sufficient to produce or verify a reliable stage-discharge relationship.</li> <li>When any drought trigger drops below average levels, monitoring will be done biweekly, and estimates will be made as to when either indicator will reach drought levels.</li> <li>Produce and update charts showing the status of the defined triggers on a biweekly basis during a District-declared drought.</li> <li>Produce and update charts showing the status of the defined triggers on a weekly basis during an Emergency Response Period.</li> <li>Collect and evaluate data for the assessment of the Middle and Lower Trinity Aquifers and how they might be impacted and regulated by drought.</li> </ol>

**Education & Outreach**

**Performance Standard 3-3:** Inform and educate permittees and the public about declared drought stages and the severity of drought, and encourage practices and behaviors to reduce water use.

Metric	Frequency	Score	Documentation
1. Timeliness and adequacy of response to requests for information.	Annual	Met 14 TPIA requests received and processed	<ul style="list-style-type: none"> <li>• Record of newsletter, press releases, and drought updates sent to Press, Permittees, and email subscribers.</li> <li>• Availability of drought stage road signs and bill inserts for permittee use.</li> </ul>
2. Absence of complaints received concerning water utility permittees' unwarranted actions.	Annual	Met No complaints	<ul style="list-style-type: none"> <li>• Public information requests and responses on file.</li> <li>• Responses to residents' inquiries about drought restrictions or inappropriate water use.</li> </ul>

**Example Board-Level Activities**

a. Authorize and participate in efforts to disseminate information related to aquifer conditions during drought and practices that could facilitate demand reduction.

**Example Staff-Level Activities**

- a. Provide public awareness of declared drought stages and drought severity by at least monthly communications which may include written and electronic correspondence, newspaper articles and advertisements, press releases, the District website, District newsletter, and special permittee newsletters.
- b. Support permittees' efforts to inform their end users of drought stages and water conservation measures with by creating general drought stage information and informational materials on water conservation.

**Objective 4. Demonstrate leadership in external communication, collaboration, coordination and joint planning with respect to groundwater and related resources.**

Note: The 'example activities' for directors and staff listed below are intended by the Management Plan and therefore in this annual assessment to be only illustrative ones for this Objective and Performance Standard, and should not be construed as restrictive or mandatory in each or any one year. In addition, all are subject to the Board's actions indicating the District's current intent as to their scope and their priority with respect to other activities.

General Management			
Metric	Frequency	Score	Documentation
<p><b>Performance Standard 4-1:</b> Cultivate and communicate effectively and routinely with stakeholders of all types that affect and are affected by the District's programs and policies.</p> <p>1. Collective judgment of the Board once each quarter as to whether communications between the District and its stakeholder community, including constituents and other public officials, are providing an effective basis for District decision-making and for identifying any needed remedial actions.</p>	Quarterly	<b>Met</b>	<ul style="list-style-type: none"> <li>Directors' compensation forms</li> <li>Directors' correspondence logs (if available)</li> <li>Minutes of activity reported in the Directors' meeting</li> <li>Reports as reported in each regular Board meeting</li> <li>Minutes of Board action providing collective judgment</li> </ul>
Example Board-Level Activities			
<p>a. Cultivate balanced relationships with and among stakeholders, precinct residents, and policy makers to promote the District's mission.</p> <p>b. Represent the District with legislative community, other political subdivisions, and related groups.</p>			<p><b>Example Staff-Level Activities</b></p> <p>a. Cultivate balanced relationships between District staff and stakeholders.</p> <p>b. Represent the District with legislative community, other political subdivisions, and related groups.</p> <p>c. Represent the District in alliances and other organizations with common interests.</p>

**Regulatory Compliance**

**Performance Standard 4-2:** Collaborate with joint Groundwater Management Area (GMA) and regional water planning efforts on policies, regulations, and activities affecting water quality or desired future conditions of the aquifers managed by the District.

Metric	Frequency	Score	Documentation
1. Percent of GMA meetings attended;	Annual	<b>Met</b> GMA 9 - 85% attendance GMA 10 – 80% attendance	<ul style="list-style-type: none"> <li>Region K and L attendance reports</li> <li>GMA 9 and 10 attendance reports</li> <li>GMA GCD management plan reviews on file</li> <li>Minutes of Board meetings where GMA (or RWPG, if applicable) representatives were appointed.</li> <li>Minutes of Board meetings where GMA/RWPG issues where considered</li> <li>Notices of DFC hearings conducted/attended</li> </ul>
2. Timely provision of responsive comments on management plans of other GCDs in GMA 9 and 10;	Annual, if applicable	N/A	
3. Participation in public hearings on DFCs and management plans	Annual, if applicable	<b>Met</b>	
4. Timely discussion and voting on GMA items	Annual, if applicable	<b>Met</b>	

Example Board-Level Activities	Example Staff-Level Activities
<p>a. Utilize the data, results, and staff recommendations associated with water quality and/or desired future conditions to direct staff and develop policy in accordance with the District's mission.</p> <p>b. Designate a District representative to participate in and serve as a voting member of GMA 9 and GMA 10.</p> <p>c. Review and comment on management plans of other GMA member districts for consistency with DFCs of shared or hydrologically connected aquifers.</p>	<p>a. Provide information and input to current and proposed rules, standards, and planning efforts related to regional development and water/wastewater management.</p> <p>b. Apply standards specified in the Regional Water Quality Protection Plan (2005) where applicable. <i>Directors note that "standards" here do not refer to enforceable regulatory standards but are interpreted to be in the sense of consensus "principles".</i></p> <p>c. Provide recommendations to the Board on management plans of other GMA member districts for consistency with DFCs of shared or hydrologically connected aquifers.</p> <p>d. Develop and implement a cost-effective method for evaluating and demonstrating compliance with the DFCs of the relevant aquifers in the District, in collaboration with other GCDs in the GMAs.</p> <p>e. Support by attendance and in-kind consultation services in meetings of GMAs 9 and 10, as appropriate.</p>

- f. Seek public inputs on concerns that help articulate DFCs.
- g. Vote on applicable items requiring GMA joint planning approvals.

**Aquifer Science**

**Performance Standard 4-3:** Provide technical assistance as warranted to federal, state and local entities; organizations; and individuals on the geology, hydrogeology, and karst features impacted by groundwater-utilizing land use activities.

Metric	Frequency	Score	Documentation
<p>1. Qualitative judgment by the Board as to how well the District's directors are promoting groundwater protection with other entities.</p>	<p>Annual</p>	<p>Met</p>	<ul style="list-style-type: none"> <li>• Quarterly Director Activity Reports on file</li> <li>• WPAP reviews and comments on file</li> </ul>
<p align="center"><b>Example Board-Level Activities</b></p>			
<p>a. Establish standards and criteria specified in the Regional Water Quality Protection Plan to be used by District staff in evaluating deleterious impacts to recharge water quality.</p>	<p align="center"><b>Example Staff-Level Activities</b></p> <p>a. Provide information to developers, roadway contractors, the regulated community, and local and state agency personnel about the locations and sources of vulnerability of the District's groundwater resources, and the steps they can take to mitigate the threats of contamination.</p> <p>b. Apply standards and criteria specified in the Regional Water Quality Protection Plan (2005), as applicable and warranted, for the evaluation of various land uses requiring or affecting groundwater supplies and the associated potential for recharge water quality degradation or waste.</p> <p>c. Review and provide comments, where applicable, for Water Pollution Abatement Plans or other environmental site assessments associated with any permits or authorizations submitted to the TCEQ, COA, small cities, counties, or other political jurisdictions in order to mitigate potential degradation of the District's groundwater resources.</p>		



**Education & Outreach**

**Performance Standard 4-4:** Through education and public outreach, inform groundwater users and the general public of the connectivity of recharge and discharge, importance of water quality protection, and the relationship between surface water and groundwater.

Metric	Frequency	Score	Documentation
1. Number of workshops/seminars with acknowledged District participation;	Annual	Met	<ul style="list-style-type: none"> <li>Documentation in monthly team activity reports.</li> <li>Database tracking for Friends of the Aquifers email subscriptions.</li> <li>Summary list of outreach activities.</li> </ul>
2. Number of District-sponsored outreach meetings and info distribution events;	Annual	Met	
3. Trends in number of page views and amount of "click-throughs" for District website;	Annual	Met	
4. Number of new subscriptions to the Friends of the Aquifers email contact list.	Annual	Met	

**Example Board-Level Activities**

- Communicate with constituents of their respective single-member precincts to ensure fair representation.
- Facilitate dissemination of education and public outreach information within respective single-member precincts.
- Help promote and/or participate in District-sponsored events.

**Example Staff-Level Activities**

- Offer and/or recommend workshop(s) and/or presentations that educate local residents on the District, its management, District aquifers, Texas groundwater and surface resources, and indoor/outdoor water conservation practices.
- Use electronic and printed media and in-person visits to deliver accurate and timely information to community groups that are interested in and/or affect the groundwater resource and its use, both upon request and on a proactive basis.
- Organize and conduct events that allow the District to work cooperatively with area residents, including youth, in demonstrating the important relationships between surface and groundwater quality.
- Maintain up-to-date District and aquifer information and literature that are available to the public via the website, print materials, and an electronic newsletter.

**General Management**

**Performance Standard 4-5:** Prepare, submit, and maintain a draft and final Habitat Conservation Plan (HCP) and provide support of related National Environmental Policy Act documentation and processes for obtaining an Incidental Take Permit from the US Fish & Wildlife Service (FWS) for the endangered species at Barton Springs.

Metric	Frequency	Score	Documentation
1. Satisfactory progress toward completion of the HCP that is acceptable to FWS, as judged by the Board and with the use of an annual HCP Status Report prepared by District Staff near the end of each fiscal year;	Annual, if and when applicable	Met HCP/ITP application approved for Regional office review	<ul style="list-style-type: none"> <li>• HCP Annual Report on file</li> <li>• Incidental Take Permit on file</li> <li>• MAC's Annual HCP Progress Report, on file</li> <li>• Minutes of MAC meetings</li> <li>• Rules &amp; Bylaws that reduce permitted withdrawals during Emergency Response Period droughts to requisite amounts</li> </ul>
2. Upon its receipt, success in maintaining a Section 10(a) Incidental Take Permit;	Annual, if and when applicable	N/A	
3. Establishment and convening meetings at least annually of an HCP Management Advisory Committee;	Annual, if and when applicable	N/A	
4. Promulgation of a regulatory program that achieves the Extreme Drought Withdrawal Limitation that is based on the MAG for the prevailing drought DFC for the Freshwater Edwards Aquifer.	Annual	Met	
<b>Example Board-Level Activities</b>			
a. Assess and authorize needed measures within the District's authority, on a continuing basis, to minimize take and prevent jeopardy of the endangered species that are specified in the HCP.			<p align="center"><b>Example Staff-Level Activities</b></p> <ul style="list-style-type: none"> <li>a. Prepare a draft HCP, respond to public comments, and prepare and submit a final HCP that are acceptable to FWS.</li> <li>b. Establish, periodically convene, and utilize an HCP Management Advisory Committee to assess independently the effectiveness of the HCP measures and recommend changes necessary to improve effectiveness, if warranted.</li> <li>c. Employ an adaptive management strategy to respond effectively to unforeseen and/or changed circumstances.</li> </ul>
b. Fund on a continuing basis the primary and adaptive management measures to minimize take and prevent jeopardy of the endangered species in the HCP.			

**Objective 5. Extend current groundwater supplies by encouraging supply-side and demand-side improvements.**

Note: The 'example activities' for directors and staff listed below are intended by the Management Plan and therefore in this annual assessment to be only illustrative ones for this Objective and Performance Standard, and should not be construed as restrictive or mandatory in each or any one year. In addition, all are subject to the Board's actions indicating the District's current intent as to their scope and their priority with respect to other activities.

Regulatory Compliance			
Metric	Frequency	Score	Documentation
<p><b>Performance Standard 5-1:</b> On at least a bi-annual basis, assess the availability and feasibility of regional alternative water supplies and encourage District permittees to diversify their water supplies by fostering arrangements with available water suppliers.</p>	Bi-Annual odd # years (Due: 2015)	N/A Due in 2017	<ul style="list-style-type: none"> <li>Alternative Water Supply Status Report on file</li> </ul>
<p><b>Example Board-Level Activities</b></p> <p>a. Provide input to District staff about policy considerations of alternative water supplies.</p> <p>b. Provide active leadership in promoting and pursuing alternative water supplies, including but not limited to participating in speakers' bureaus, working with water providers, legislative community and agencies such as TWDB and TCEQ, and assessing political and economic efficacy and paths.</p>		<p><b>Example Staff-Level Activities</b></p> <p>a. Identify available alternative water resources and supplies (e.g., saline Edwards desalination, ASR, reuse, rainwater, etc.).</p> <p>b. Evaluate viability of alternative water sources by considering:</p> <ul style="list-style-type: none"> <li>available/proposed infrastructure</li> <li>financial factors</li> <li>logistical/engineering factors</li> <li>potential secondary impacts (development density/intensity or recharge water quality).</li> </ul> <p>c. Develop relationships/agreements with area surface water providers and encourage service to District permittees during extreme drought where appropriate.</p> <p>d. Explore possible incentives to District permittees to implement the use of alternative water supplies through pricing, permit terms, and other mechanisms where appropriate. <i>Directors note that exploration of these incentives requires Board authorization and involvement. This comprises a possible future correcting amendment of the Management Plan.</i></p>	

- e. Remove/reduce institutional barriers to use of alternative sources as feasible.
- f. Produce a bi-annual report for the Board to serve as a summary of regional alternative supplies and activities [related to this objective]

**Aquifer Science**

**Performance Standard 5-2:** Conduct investigations and, as warranted and feasible, physically alter discrete recharge features that will lead to an increase in recharge to the Edwards Aquifer.

Metric	Frequency	Score	Documentation
1. Annual oral presentation in even-numbered years on progress in these activities, to enable the Board to assess the progress;	Bi-Annual even # years (Due: 2016)	Met	<ul style="list-style-type: none"> <li>Alternative Water Supply Status Report on file</li> <li>Minutes of Board meeting in which oral presentation on this topic was made.</li> <li>Photographs of work being conducted in these recharge features</li> </ul>
2. Inclusion of these activities in the biennial Alternative Water Supplies Report in odd-numbered years;	Bi-Annual odd # years (Due: 2015)	N/A	Due in 2017
3. Number of excavations conducted in caves, sinkholes, or recharge features annually (with at least one being satisfactory).	Annual	Met	(1 – Antioch Cave)

**Example Board-Level Activities**

- Participate in discussions about activities related to recharge enhancement.
- Establish policies concerning recharge enhancement projects.
- Fund approved projects, including seeking external funding partners.

**Example Staff-Level Activities**

- Determine locations, cost-effective methods, and efficacy of potential recharge maintenance and enhancement for at least one additional recharge feature during the five-year term of this *Plan*.
- Seek both internal and external funding to study and construct BMPs that are capable of diverting surface waters into the District aquifers.
- Excavate sediment and other material from at least one recharge feature, such as caves, sinkholes, and BMPs, each year so that the capacity of the feature to recharge the aquifer will be at least maintained if not increased.
- Identify and pursue grant funding, as appropriate, Board-authorized and available pertaining to recharge enhancement and nonpoint source pollution, and manage grant projects in accordance with grant requirements and good project management practice to meet milestones on budget and schedule.

**Aquifer Science**

**Performance Standard 5-3:**

Conduct investigations, as warranted and feasible, to evaluate the potential for the saline zone of the Edwards Aquifer to provide water for a desalination facility, and to evaluate the potential for the Edwards saline zone and the Trinity aquifers beneath the freshwater Edwards as reservoirs for an Aquifer Storage and Recovery (ASR) system.

Metric	Frequency	Score	Documentation
1. Annual oral presentation in even-numbered years on progress in these activities to enable the Board to assess the progress;	Bi-Annual even # years (Due: 2016)	Met	<ul style="list-style-type: none"> <li>• Alternative Water Supply Status Report on file</li> <li>• Minutes of Board meeting in which oral presentation on this topic was made</li> <li>• Abstracts, reports, or publications summarizing results of these studies</li> </ul>
2. Inclusion of these activities in the biennial Alternative Water Supplies Report in odd-numbered years.	Bi-Annual odd # years (Due: 2015)	N/A Due in 2017	
<b>Example Board-Level Activities</b>			
<ol style="list-style-type: none"> <li>a. Provide input of the extent of investigations of the saline zone and the level of interest of the Board on desalination and ASR.</li> <li>b. Assist in developing and approve a business plan if and as necessary for co-funded investigations.</li> <li>c. Authorize funding for a portion or all of investigations on the Edwards saline zone.</li> </ol>	<b>Example Staff-Level Activities</b>		
	<ol style="list-style-type: none"> <li>a. Install monitor well in saline zone for sampling and aquifer parameter testing.</li> <li>b. Cooperate with other organizations for installing a test well in the saline zone and for evaluating the feasibility of desalination and/or ASR in the saline zone.</li> <li>c. Conduct aquifer tests of Trinity aquifers to determine if they could serve as reservoirs for an ASR system.</li> </ol>		

**Education & Outreach**

**Performance Standard 5-4:** Maintain and develop programs that inform and educate District groundwater users and area residents of all ages about water conservation practices and resources and use of alternate water sources including gray water/condensate reuse and rainwater harvesting.

Metric	Frequency	Score	Documentation
1. Preparation and dissemination of material shared with District groundwater users and area residents that will inform them about water conservation and alternate water sources.	Annual	Met	<ul style="list-style-type: none"> <li>• Social media posts, newsletter articles, and email bulletins highlighting upcoming events.</li> <li>• Monthly team activity status report</li> <li>• documentation of permittee communications about conservation credits and education events (via mail or email).</li> <li>• High volume private well owner list updates and tracking of materials sent.</li> </ul>

Example Board-Level Activities	Example Staff-Level Activities
<p>a. Provide direction and input to staff on messages that the Board would like to convey to the public about water conservation and alternate water sources.</p>	<p>a. Support and publicize other local-area water conservation initiatives using print and presentation opportunities.</p> <p>b. Maintain up-to-date water conservation and alternate water source information and literature that is available to the public via the website and print materials.</p> <p>c. Provide District groundwater permittees and end-users with water conservation and alternate water source presentations upon request where possible.</p> <p>d. Offer and/or recommend educational events annually that address topics such as leak detection, water audits, irrigation audits, indoor water conservation, water use behavior, native landscaping, or rainwater harvesting.</p> <p>e. Engage and solicit participation of permittees and other stakeholders on the District’s conservation credit policy.</p>

**Objective 6. Increase understanding of all District aquifers so that appropriate policy and regulatory decisions are made.**

Note: The 'example activities' for directors and staff listed below are intended by the Management Plan and therefore in this annual assessment to be only illustrative ones for this Objective and Performance Standard, and should not be construed as restrictive or mandatory in each or any one year. In addition, all are subject to the Board's actions indicating the District's current intent as to their scope and their priority with respect to other activities.

Regulatory Compliance			
Performance Standard 6-1:	Metric	Frequency	Score
Assess aquifer conditions by sampling and collecting groundwater data from selected wells.	Information collected on wells within the District entered into District database	Annual	Met <ul style="list-style-type: none"> <li>Annual well sampling tracking spreadsheet</li> <li>Database reports</li> </ul>
<b>Example Board-Level Activities</b>			
a. Provide direction and input to staff about how the Board would like to have data collected, maintained, and reported.			<p style="text-align: center;"><b>Example Staff-Level Activities</b></p> <ul style="list-style-type: none"> <li>a. Collect water-quality and groundwater-level information annually from: <ul style="list-style-type: none"> <li>- All individually permitted wells (except for public supply wells) scheduled for routine compliance inspections</li> <li>- All newly drilled wells</li> <li>- Abandoned wells where sample collection is possible prior to District-authorized plugging</li> <li>- Five (5) other selected wells of interest.</li> </ul> </li> <li>b. Record data in District databases and use to assess groundwater quality and quantity.</li> </ul>



**Aquifer Science**

**Performance Standard 6-2:** Conduct scientific studies to better determine groundwater availability, to understand and prevent threats to water quality, to minimize impacts to water-supply wells and springs, and to provide sound science on which to base District policy.

Metric	Frequency	Score	Documentation
1. An annual report of publications produced by the District that affects or will affect current or future Board decision-making	Annual	Met	<ul style="list-style-type: none"> <li>• Compendium of publications and presentations by District staff and directors on file</li> <li>• Abstracts, reports, or publications summarizing results of these studies</li> </ul>
2. Qualitative judgment by Board as to adequacy of the type of scientific information provided to them	Annual	Met	

**Example Board-Level Activities**

- a. Provide guidance on policy issues that involve scientific evaluation.
- b. Authorize funding for a portion or all of investigations related to aquifer science.

**Example Staff-Level Activities**

- a. Collect, maintain, and interpret relevant data such as water levels, water quality, stream flow, rainfall, and aquifer properties, including water-level information from at least ten (10) monitor wells and stream or spring flow measurements at least three (3) times annually.
- b. Periodically and regularly measure and evaluate the accuracy and precision of the discharges at the Barton Springs complex, and promote improvements in the reliability of such measurements.
- c. Identify and pursue grant funding, as appropriate and available to conduct aquifer studies, and manage grant projects in accordance with grant requirements and good project management practice to meet milestones on budget and schedule.
- d. Assess effects of "urban leakage" and its consequences for groundwater model calibration and outputs.
- e. Collaborate on aquifer studies with other agencies and institutions by participating in at least five meetings each year with other groundwater scientists and engineers to discuss topics of current and direct interest to the District staff.
- f. Evaluate the various groundwater models to determine which ones best suit the needs of the District for groundwater availability analyses, or consider other model software that has not yet been applied to District studies.

- g. Prepare presentations, abstracts, and papers to present at scientific meetings and conferences or for publication by the District or other scientific organizations.
- h. Appoint and convene when appropriate an *ad hoc* technical advisory committee to review and comment on District investigations and analyses. ***Directors note that only the Board may appoint and convene advisory committees, and that staff involvement will be in administering and utilizing outputs of such committees. This comprises a possible future correcting amendment of the Management Plan.***

**Basis for Board of Directors'**

**Evaluation of Progress on Objectives and Performance Standards**

**Basis for Evaluation of Progress on Objectives and Performance Standards**

<b>Teams:</b>	<b>General Management</b>	<b>General Services</b>	<b>Education &amp; Outreach</b>	<b>Aquifer Science</b>	<b>Regulatory Compliance</b>
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**Objective 1. Assure the long-term sustainability of the District to carry out its mission as a GCD with excellence.**

**PS 1-1: Hire, equip, train, evaluate, and motivate appropriate staff to achieve the District's mission within budgetary constraints.**

- The Board conducted the General Manager's FY 2016 performance review and objectives assessment at its regularly scheduled meeting on August 25, 2016. The Board took action determining that the General Manager's performance in FY 2016 was satisfactory and that the FY 2016 District Goals and General Manager (GM) objectives were met or exceeded. The Board went further to award a cost of living salary increase, a performance bonus, and the incentive compensation and for achieving the objectives.

- There were no instances of unresolved personnel issues and none were referred to the Board.

There were no losses of staff in FY 2016, therefore the net turnover rate was zero. The District staff was increased with the addition of one new FTE to provide a new Regular Compliance Technician in support of the Regulatory Compliance Team. This position was filled with the hiring of Stephen Davis in February of 2016.

- Annual performance and salary reviews were completed for all regular staff. On the basis of the reviews, staff was collectively awarded a 2.9% raise in salaries which was within the FY 2016 budgeted amount for salaries and wages. Incentive compensation for completed projects was also awarded according to the incentive compensation plan. Additionally, the Board budgeted and the GM awarded one-time performance bonuses to staff as compensation for the extraordinary workload associated with annexation activities.
- Collectively, staff attended approximately six courses for purposes of directed training and professional development in FY 2016. This support is in addition to more than 16 technical/policy conferences, seminars, workshops, webinars, and symposia in which one or more District staff members and directors participated. There were two out-of-state conferences attended (California and Minnesota). In all, approximately \$12,219 was spent on professional development, training, tuition, and career advancement for staff members and directors in FY 2016.
- The District staff continued to manage an extraordinary workload involving tasks associated with annexation of the Shared Territory in Hays County and the implementation of HB 3405 which became effective in June of 2015 and carried over into FY 2016. Implementation of

HB 3405 created additional workload including conversion of temporary permits to regular permits, a second round of rulemaking, updates to aquifer test guidelines, community outreach activities, and redistricting, among others. The additional workload strained resources across all teams and was managed through extra staff labor and some contracted consulting support.

- Given the atmosphere of substantial change and additional workload with the recent annexation, staff morale was maintained and generally good throughout the year. Morale was maintained with periodic events including the staff-only retreat in October, and a staff lunch at the District Antioch property in the spring.

**PS 1-2: Align District plans, policies, and programs with the District’s mission and vision, and regularly review and revise them, as warranted, to respond to changing circumstances that affect their need, effectiveness, or implementation.**

- Staff continued to operate in accordance with the objectives of the 2013 Management Plan (MP) and the methodology developed for measuring progress towards satisfying the MP objectives. The 2013 MP is due to be updated before January of 2018. Staff anticipates updates in the 2018 revision that will be needed to reflect the management objectives of the new Shared Territory. Other revisions will likely be needed to reflect evolving management objectives of the entire jurisdictional area as a whole.
- The District went through rulemaking and adopted rules on April 28, 2016 that were focused on improving management strategies that will protect existing wells and preserve the long-term availability of water supplies from the Trinity Aquifer. The principle objectives of these rules were:
  - Defining “unreasonable impacts” for permitting purposes;
  - Outlining guidance and requirements for aquifer testing, notice, and monitoring requirements for large-scale groundwater projects; and
  - Establishing a policy and permitting framework for a science-based evaluation of the potential for unreasonable impacts to existing wells and the aquifer, and requirements to avoid or mitigate for such impacts.
- The MP requirement to develop a Contingency and Risk Management Plan (CRMP) is satisfied through the commitment to measures of the Draft Habitat Conservation Plan (HCP) which specifies pre-determined responses to the certain Changed and Unforeseen Circumstances. The Board has determined in the two previous annual reports that these HCP measures serve the same function as a CRMP; therefore, a unique plan is not needed, and is judged by staff to be “met.”
- The District timely completed and the Board approved its annual budget and fee schedule for FY 2016 on July 30, 2015; and a subsequent budget revision on November 19, 2015. The staff developed and the Board approved the proposed FY 2017 budget in late FY 2016 on July 21, 2016. The FY 2017 fee schedule was approved by the Board on August 11, 2016.

- The Board continued the convention of strategic planning through the setting of annual goals by adopting its FY 2016 goals on October 8, 2015. These annual goals provide policy-level direction to the GM and staff, and serve to guide the District's expenditure of staff time and resources. The Board conducted the end-of-year assessment of the FY 2016 goals at their regular Board meeting on August 11, 2016 and judged that the District demonstrated sufficient progress towards achievement of the goals.
- The Board convened and actively engaged the Management Advisory Committee (MAC), which serves as the principle advisory group, to assist in the development of the District HCP and the Incidental Take Permit (ITP) application which was filed with the U.S. Fish and Wildlife Service (USFWS) in late 2013. There has been little activity to necessitate convening the MAC to support additional HCP activities since the ITP has been in review by the USFWS and is pending. The Staff did convene an *ad hoc* technical committee to provide input and advise rulemaking to assist staff in rules and procedures for determining unreasonable impacts to wells.

**PS 1-3:** Ensure the District has the near-term and long-term financial basis and contractual wherewithal to support its mission.

- District Board and staff members maintained their financial resources in a manner that maximizes liquidity while maintaining the greatest return on District fund balances by investing in securities or investment pools that operate in low risk investments and are backed by the state and/or federal government.
- The District developed, implemented and modified, as needed, a balanced FY 2016 annual budget that the Board initially approved on July 30, 2015, and then revised on November 19, 2015, and again on June 16, 2016.
- The District successfully operated within its budgeted operating expenses, although the District Board did approve the use of reserve funds (\$118,200) to balance the budget.
- The District obtained new contracts for services in accordance with established District standards that meet or exceed the requirements of state law and the District's Rules and Bylaws; this includes the second round of Master Services Contracts that administration has engaged in.
- The District submitted an application to the Texas Water Development Board (TWDB ) for a Regional Facility Planning Grant on January 28, 2015 to assess the Saline Edwards Aquifer as a potential water supply. The District was awarded grant funding in the amount of \$240,000 to support the District's grant project. The contract with TWDB for the grant project was approved by the Board and executed on August 27, 2015. The actual well drilling site work did not begin until August 2016.
- The District's investment officer, Dana Christine Wilson, completed the official Public Funds Investment Act (PFIA) training on October 10, 2016 (a biennial requirement).

**PS 1-4:** Provide efficient administrative support and infrastructure, such that District operations are executed reliably and accurately, meet staff and local stakeholder needs, and conform to District policies and with federal and state requirements.

- A cost-benefit analyses was performed on all District insurance and employee-benefit policies before renewal; and the District acquired, amended and renewed all District benefit policies in a timely fashion.
- All District records were maintained, retained, and controlled in accordance with the Texas State Library and Archives Commission-approved District Records Retention Schedule to allow for safekeeping and efficient retrieval of any and all records. Records are audited for effective management of use, maintenance, retention, preservation and disposal of the records' life cycle as required by the Local Government Code.
- Maintained and upgraded (e.g. remodeling projects) the office building and the grounds, office equipment, and supplies to provide an efficient work environment that meets the needs of the staff and stakeholder community. Facilities upgrades for FY 2016 were a remodel of the library space to improve function and efficiency, and the replacement of the fence that borders the front of the office lot property.
- District Board agendas and pertinent meeting materials and backup documentation were developed, posted, and distributed in a timely manner. Select documents that were pertinent and necessary, were posted on the District. Official records, files, and minutes of Board meetings were also appropriately maintained and made available for public viewing on the District website.

**PS 1-5:** Provide mechanisms to align District Rules, policies, and programs with the will of its collective and precinct-level constituencies, within the constraints of statutes governing the District.

- Effective participation may be demonstrated by the documentation of Board activity communications described under PS 4-1. This process and methodology was developed during FY 2013. The formal judgment of the effectiveness of the Board's communications was available for the entire FY 2016. The efforts of each Director to engage the full spectrum of stakeholder interests was observed and demonstrated by their attendance in the majority of all Board meetings, work sessions, stakeholder meetings, District-sponsored activities, and individual communications.
- An election was held in November 2016 (our FY 2017) without the District's participation as the three board members that were up for re-election, were unopposed for Precincts 1, 3, and 4. The election processes were conducted in accordance with newly redistricted precinct boundaries, State and Federal law, and as required by Chapter 36 of the Texas Water Code, and the rules set forth in the Texas Election Code.

**PS 1-6: Provide leadership in promoting legislation and regulations that benefit the protection of the District's groundwater resources and opposing legislation and regulations that harm those resources.**

- The Board executed an amendment to the agreement with the Sledge Law Group to extend the terms of the agreement for an additional two years, and will continue to provide Legislative Consulting Services to the District through the 85<sup>th</sup> Legislative Session.
- Legislative activity in FY 2016, which was during an interim year, was focused on monitoring the activity related to the interim charges. To this end, the GM coordinated with Sledge Law Group and the Board Legislative Committee in tracking the interim committee hearings on charges of interest to the District. This included relaying summaries of relevant testimony and comments at the hearings, discussions of the Board, and convening Board committee meetings. With the direction from the Board and Board committee, the GM provided written responses to the area legislators in response to committee testimony, and initiated discussion with Legislators on potential District legislative initiatives in the 85<sup>th</sup> Session.
- The Board established a Legislative Committee to coordinate with the GM and legislative consultant on interim activity and developing any District legislative initiatives. On the basis of the advice of the District's legislative consultant, the Board elected to not develop a formal Legislative Agenda in the interim, therefore, a Legislative Agenda Report was not produced.
- With the concurrence of the Board and advice of its counsel, the District did not enter into any new litigation or contested-cases with and for other jurisdictions in FY 2016.



## **Objective 2. Promulgate a fair and efficient regulatory program.**

**PS 2-1: Review and modify the *Rules* as warranted to provide and maintain a sound statutory basis for continued District operations and to ensure consistency with both District authority and programmatic needs.**

- During FY 2016, the District adopted amendments and revisions to the Rules and Bylaws. A quorum of the District Board of Directors voted unanimously to adopt the proposed revisions at its regular meeting on April 28, 2016. The rule making process was formally initiated in January 2016 as part of an ongoing effort to implement HB 3405, which annexed new area in Hays County, and to better equip the District to manage prospective large-scale Trinity Aquifer water projects. There was a 20-day public comment period to provide an opportunity for rule review and to submit comments or formal protests on the proposed rules. A public hearing was held on March 24<sup>th</sup> and the Board delayed action on adoption of the rules to consider the entire set of comments received from the public. The proposed rule changes were further modified to address the public comments submitted and to better clarify the process and intent of the rules. The adopted rule amendments focused overall on:
  - Management strategies that will protect existing wells and preserve the long-term availability of water supplies from the Trinity Aquifer;
  - Aquifer test, notice, and monitoring requirements for large-scale groundwater projects; and
  - Establishing a policy and permitting framework for a science-based evaluation of the potential for unreasonable impacts to existing wells and the aquifer and requirements to avoid or mitigate for such impacts.
- The Board convened and actively engaged the Management Advisory Committee (MAC), which serves as the principle advisory group, to assist in the development of the District HCP and the Incidental Take Permit (ITP) application which was filed with the U.S. Fish and Wildlife Service (USFWS) in late 2013. There has been little activity to necessitate convening the MAC to support additional HCP activities since the ITP has been in review by the USFWS and is pending. The Staff did convene an *ad hoc* technical committee to provide input and advise rulemaking to assist staff in rules and procedures for determining unreasonable impacts to wells.
- The HCP is currently under USFWS review, and an ITP has not been issued. Upon approval and issuance of an ITP, staff will propose rule changes necessary to address the efforts of the HCP and ITP.

**PS 2-2: Process and review all well registrations, permit renewals, and applications for permits, permit amendments, and authorizations in accordance with the *Rules*, *Well Construction Standards*, and other District guidelines in accordance within specified procedural timeframes.**

- During FY 2016, the District continued with an online registration system to receive well registration applications from well owners. The online registration system was implemented

in June 2015 in response to recent annexation efforts associated with the passage of HB 3405. Approximately 97 registration surveys were received and processed. The District also hosted its annual Water Well Checkup where there were approximately 69 participants, of which < 20 were new well registrations.

- The District’s jurisdiction was expanded on June 19, 2015 through the passage of HB 3405, and well owners with an existing nonexempt use were immediately provided a three-month period to apply for a Temporary Permit. In early FY 2016 (September-October 2015), the District received and approved 21 Temporary Permit Applications. The Temporary Permits provided well owners with an interim authorization to operate a well prior to conversion to a Regular Historical Production Permit. The majority of those Temporary Permits were further evaluated and processed for conversion to a Regular Production Permit. At the April 28<sup>th</sup> Board Meeting, the District Board of Directors held a public hearing to approve 14 of the Temporary Permits for conversion to Regular Production Permits. There was a 20-day public comment period to provide an opportunity to submit comments or formal protests on the proposed approval of the permit conversions. No comments were received and the Board approved all 14 permits as Historical Trinity Production Permits. In May-June 2016, two additional Temporary Permits (Texas Old Town, and Aqua Texas) were approved for conversion, and one Temporary Permit (Needmore Water LLC) remained under review for conversion as of August 2016.

	Annual Volume	Well Owner (Permittee Name)		Annual Volume	Well Owner (Permittee Name)
1	100,000	SWTX Pentecostal Church of God	9	1,000,000	Wimberley Glassworks
2	100,000	Las Lomas HOA	10	1,000,000	St. Mark's Episcopal Church
3	180,000	Rolling Oaks Club Inc	11	1,200,000	First Christian Church
4	240,000	General Telephone Southwest	12	2,000,000	Log Cabin Plaza
5	490,000	Hays City Holdings	13	2,000,000	Chuck Nash
6	800,000	Tindol Restaurant Group LLC	14	2,000,000	Texas State University - Freeman Ranch
7	500,000	St. John's Catholic Church	15	10,000,00 0	Texas Old Town
8	750,000	St. Stephen's Episcopal Church	16	30,000,00 0	Aqua Texas (Sierra West)

- As reported in the “District Programs-Team Highlights” section of the Annual Report, the following applications were received and processed in FY 2016. All applications were processed in conformance with the District’s information requirements, procedural requirements, and time frames. All current production and transport permits were renewed at the end of the respective permit terms as well.

<b>TOTAL Permit Applications</b>	<b>81</b>
Minor Amendment	1
Major Amendments	0
New Exempt Well	5
Limited Production Permit (Nonexempt Domestic Wells)	13
Individual Production Permit	6
New Individual Well Drilling Authorizations /Modification	3
Test Well	2
Well Plugging	12
Replacement Well	2
Temporary Permit	21
Regular Permit (Temporary Permit Conversion)	16

<b>TOTAL New Wells</b>	<b>22</b>
New Exempt Wells	5
Nonexempt Domestic Wells (LPPs)	13
Individual Wells	2
Test Wells	6*
Replacement Wells	2

*\*Electro Purification's six Test Wells were drilled prior to annexation*

**PS 2-3: Monitor existing District wells for compliance with the *Rules*, and *Well Construction Standards*.**

- During FY 2016, the Regulatory Compliance Team conducted a number of inspections, investigations, and onsite visits on existing permitted well systems in response to investigative matters or as part of the application review process. The following is a list of those activities.

<b>TOTAL Inspections/ Investigations/ Onsite Visits</b>	<b>32</b>
Exempt Well Inspections	2
Limited Production Permit Inspections	4
Individual Production Permit Inspections	4
Test Well Inspections	0
Plugging Inspections	12
Special Investigation Inspections	6
Other Permittee Inspections	4

- There were no formal enforcement actions initiated in FY 2016. District staff initiated approximately six special investigations or inspections and it was determined that no enforcement actions were necessary in these cases.

- Monthly meter readings were collected from all individual permittees each month with the large majority reported in a timely manner. Permittees failing to submit timely reports were provided with notices of the District's intent to collect meter readings. Most delinquent permittees were generally responsive once the notice was received. Meter readings not received after the notice was provided were collected by staff and a fee was assessed to those permittees, in accordance with the Rules.
- As a result of an adopted rule change in FY 2015, the monthly meter reading requirement for all nonexempt domestic users was relaxed to an annual meter reading requirement. In late FY 2016 (August 2016), staff prepared to enforce that rule requirement in which the annual meter readings were to be due in September 2016. Email correspondence and notifications were provided to the nonexempt domestic users in an effort to ensure compliance. This compliance effort will be carried over into FY 2017.

**P-S 2-4:** Efficiently process permittee meter readings, water use fee invoices and payments, conservation credits, permit renewals and related communications.

- District production permits are effective for the duration of the District fiscal year (September 1<sup>st</sup> to August 31<sup>st</sup>) and are generally automatically renewed by the Board, contingent on absence of compliance issues, unpaid balances, etc., in August of each year for the following fiscal year. The Board approved conditional renewal of all District production permits for FY 2017 during its regular meeting on August 11, 2016.
- District Rule 3-6.4 requires that an audit be conducted in the first quarter of each fiscal year to determine eligibility for conservation credits and the amount of credits earned by permittees in the preceding fiscal year. The audit for FY 2016 was completed and then reported to the Board at the regular Board meeting on October 6, 2016 where the directors approved issuance of \$32,383 (which was \$5,807 less than the previous year of FY 2015 where there was \$38,190 in earned credits).
- A staff-initiated under-pumpage analysis was not performed in FY 2016. Such analysis was judged by the GM not to be warranted this fiscal year.
- In FY 2016, all permittee water use fee invoices and payments and meter readings were processed in accordance with specified procedures and timeframes. This included the temporary production permits that became permanent production permits, stemming from the District annexation of the new Shared Territory as required from HB 3405.

**Objective 3. Develop and implement an effective drought management program that achieves the adopted Desired Future Conditions (DFCs) of each relevant aquifer in the District.**

**PS 3-1:** Assist permittees in developing drought and conservation planning strategies, permit conversion strategies, pricing strategies, and enforce compliance with drought management rules during District-declared drought to achieve DFCs during extreme drought.

- The majority of permittees have current User Drought Contingency Plans (UDCPs) on file and are currently compliant with District rules. Permittees have the option to revise drought charts no more than once per year but must update their plans at least every five years.
- The District declared No-Drought status on January 29, 2015 and remained in No-Drought status throughout FY 2016.
- In FY 2016, the Regulatory Compliance Team did not have to conduct any pre-enforcement meetings for non-compliance.

**PS 3-2:** Monitor and declare drought stages on the basis of the analysis of data from the District's defined drought triggers and in accordance with the adopted drought trigger methodology.

Staff monitored the District's two drought trigger sites (Barton Springs and Lovelady monitor well) plus numerous other indicators of drought conditions relating to the Edwards Aquifer within and nearby the District. The United States Geological Survey (USGS) is responsible for the equipment, and maintaining data on their website. District staff frequently verified water-level values that were measured by the equipment at the Lovelady monitor well. During periods of District-declared drought and during times preceding potential drought, staff provided timely updated reports of aquifer conditions at each Board meeting. Data from Trinity monitor wells were also collected and evaluated at these times. There were no District-declared droughts in FY 2016.

**PS 3-3:** Inform and educate permittees and the public about declared drought stages and the severity of drought, and encourage practices and behaviors to reduce water use.

- Friends of the Aquifers: To increase efficiency, circulation, and frequency of mass communications, the Friends of the Aquifers list was transitioned to a mass email service, establishing groups and automating subscriptions, and migrating newsletter efforts to a more frequent eNews blast. Starting in October 2015, monthly eNews were released to subscribers. The list of subscribers increased through the fiscal year ending at 2,116 in August 2016. Additionally, six press releases announced the closing of the temporary permit term, celebrated groundwater stewardship winners, invited comment on proposed rule changes, posted the finalized rule changes, announced the landmark high aquifer level, and promoted the redistricting process. Two announcements were sent to alert well owners to a sewage spill and to remind well owners of the well water checkup event.

- **Mass Communication Efforts:** The website template and content management system were upgraded to facilitate access from various devices, including mobile phones and tablets. Graphics and organization of the District website streamlined access to information and enhanced usability.
- **Drought Stage Road Signs and Bill Inserts:** not applicable since we did not enter into a drought stage in FY 2016.
- **Public Information Requests:** 14 public information requests were received and tracked. All 14 were answered satisfactorily and in a timely fashion.
- **Residents' Inquiries About Drought Restrictions:** The District did not receive any email/phone call concerns from area residents regarding water restrictions or reports of water waste.

**Objective 4. Demonstrate leadership in external communication, collaboration, coordination and joint planning with respect to groundwater and related resources.**

**PS 4-1: Cultivate and communicate effectively and routinely with stakeholders of all types that affect and are affected by the District's programs and policies.**

Evidence to support progress towards this standard is provided through Directors' Reports provided monthly at a regular Board meeting, and through modified Director's Compensation forms that provide documentation of activities, correspondence, events attended, and other communications. For FY 2016, the Board reviewed the reported activities and correspondence of each individual Director, and formally approved the demonstration of effective communication for each quarter of the year.

**PS 4-2: Collaborate with joint Groundwater Management Area (GMA) and regional water planning efforts on policies, regulations, and activities affecting water quality or desired future conditions of the aquifers managed by the District.**

**Joint Regional Groundwater Planning**

The District has jurisdictional area and therefore designated voting representatives in both GMA 9 (Hill Country Trinity Aquifer) and GMA 10 (Edwards Aquifer). The District actively participated in the joint regional groundwater planning process by providing in-kind consultation services and by participating in voting on posted agenda items affecting the respective GMAs.

**Groundwater Management Area 9**

The designated District representative (Brian Hunt) attended 6 of 7 of GMA 9 meetings and workshops (85%) in FY 2016. He actively participated by participating in meetings, providing technical review and input, and voting on posted agenda items affecting the GMA. The District also contributed funds to support the work of a consultant to assist GMA 9 in preparing the Explanatory Report (ER) for the 2016 planning cycle. Mr. Hunt reported news and activities to the Board of Directors. Noteworthy activity of GMA 9 in FY 2016 included:

- Meetings and discussions in FY 2015 led up to an extended meeting on September 28, 2015 (Dripping Springs) that reviewed all elements and factors of the ER. Proposed DFCs and non-relevant aquifers were voted on and approved at this meeting;
- The District held public hearings for input into the proposed desired future conditions (DFCs);
- A technical meetings was held to discuss a method for monitoring the DFC on March 1, 2016 (Johnson City);
- District representative provided review and technical input into the ER;
- The District Board approved the DFCs and ER;

- GMA 9 approval of the ER was on April 18, 2016 (Dripping Springs); and
- GMA 9 DFCs and ER were mailed by the GMA 9 Chairman to the TWDB on April 25, 2016.

In response to questions by the District Board and others in GMA 9 regarding the actual physical status of the DFC, the District wrote a technical memo (2016-0415) outlining a method and preliminary results for monitoring the DFC for the middle Trinity Aquifer. As of writing this report, GMA 9 is waiting on TWDB to process the DFC and ER.

### Groundwater Management Area 10

The designated District representative for GMA 10 is John Dupnik. In FY 2016, Mr. Dupnik attended four of five GMA 10 meetings (80%) and served on a GMA 10 subcommittee on DFCs. GMA 10 achieved substantial progress towards completing the second round of DFCs during FY 2016 including approving “proposing DFCs” by the statutory deadline of May of 2016. Milestones in the process included:

- 2-11-16: Board action on direction to GM as GMA 10 representative
- 3-14-16: “Proposed” DFCs are approved by the GMA
- 3-21-16: 90-day comment period on proposed DFCs begins
- 5-26-16: District- held Public Hearing
- 6-20-16: Comment period expired

Other noteworthy activity of GMA 10 in FY 2016:

- The District contributed funds (\$15,044) to support the work of a consultant to develop an analytic superposition tool to evaluate the Trinity Aquifer in Hays County.
- The District, with the assistance of contracted support, provided edits to the District-relevant chapters of the ER.
- The District participated in a subcommittee consisting of the Plum Creek Groundwater Conservation District (GCD) and the Edwards Aquifer Authority (EAA) to discuss a supplemental technical evaluation for the Trinity Aquifer in Hays County.
- The 2016 DFCs proposed maintained the existing 2010 DFCs for the fresh Edwards Aquifer in the Northern Segment of GMA 10 and the Trinity Aquifer. The District proposed a revised Saline Edwards DFC to reflect an expression of maximum drawdown rather than effects on the fresh/saline interface. All District DFCs were approved as “proposed DFCs” by GMA 10 and will likely be approved by the GMA and each GCD in FY 2017.

### **Regional Water Planning Groups**

The District has jurisdictional area in both Region K (Lower Colorado River Regional Water Planning Group) and Region L (South Central Texas Regional Water Planning Group); therefore, the District Board and staff continued to actively participate in the regional water planning



processes of both Region K and Region L, which are engaged in a multi-year re-evaluation of water demand, water supplies and resources, and water management strategies. The District provided input to both of these regional water planning groups.

### Region K

John Dupnik, District GM; and Robin Gary, Senior Staff, served as the Region K voting member and the designated alternate, respectively, for Region K. The District representatives to Region K attended four of six meetings (66%) in FY 2016. Region K finalized the 2017 Regional Water Plan in December of 2016.

Other noteworthy activity of Region K in FY 2016 included:

- Region K developed responses to comments provided by the TWDB to the Initially Prepared Plan (IPP) in the beginning of FY16.
- Participated in the Water Supply Strategy committee involving review of proposed strategies to be included in the final 2017 Regional Water Plan.
- Participated in the Policy Committee and worked to complete the Chapter 8 revisions for the final 2017 Regional Water Plan.
- Began discussions of preparations for next cycle of planning.

### Region L

Brian Smith, District Principal Hydrogeologist, tracked the activity of Region L and attended two of four meetings (50%) in FY 2016. Noteworthy activity of Region L in FY 2016 included:

- The Initially Prepared Region Water Plan was finalized and submitted to TWDB.
- Black & Veatch was selected as the contractor to work with Region L.
- Updates were presented on the EAA HCP and legislative issues of interest that might affect regional water planning entities.

**PS 4-3:** Provide technical assistance as warranted to federal, state and local entities; organizations; and individuals on the geology, hydrogeology, and karst features impacted by groundwater-utilizing land use activities.

In FY 2016, staff reviewed 20 Water Pollution and Abatement Plans (WPAPs) that were received at the District to determine which development sites are relevant to the District's interests in protecting groundwater resources. Those plans that were determined to be of interest were reviewed in detail, and if it was appropriate, the sites were visited by staff. District staff identified two abandoned wells that needed to be properly plugged, and commented on one WPAP modification.

**PS 4-4:** Through education and public outreach, inform groundwater users and the general public of the connectivity of recharge and discharge, importance of water quality protection, and the relationship between surface water and groundwater.

- The District participated in approximately 23 outreach events including field trips, conferences, workshops, meetings, and festivals. These presentations, events, and field trips reached more than 1,913 adults and 1,335 students.
- The District hosted or co-hosted Groundwater to the Gulf, the Kent Butler Symposium, 6th Annual Central Texas Water Conservation Symposium “Conservation, Come Drought or High Water,” Strategic Walk and Talk Homeowner Education Campaign, and Water Well Checkup.
- The new District website launched in April of 2016. Since then the site has received 10,897 visits from 8,725 unique visitors. Facebook 'likes' increased from 403 to 512. The Twitter followers increased from 323 to 434.
- There were 334 new contacts added to the subscriber list. Additions include Permittees, HOA contacts, Strategic Walk and Talk sign-ups, and concerned residents and well owners in the Shared Territory.

**PS 4-5:** Prepare, submit, and maintain a draft and final Habitat Conservation Plan (HCP) and provide support of related National Environmental Policy Act documentation and processes for obtaining an Incidental Take Permit from the US Fish & Wildlife Service (FWS) for the endangered species at Barton Springs.

- The draft HCP and ITP application was submitted to the FWS in December of 2014. In FY 2016, the GM continued to coordinate the work of the District’s HCP consultant and staff to work closely with FWS staff to discuss comments to the draft HCP and provide edits responsive to those comments.
- After several rounds of discussions of comments and suggested edits responsive to the comments, the FWS provided unofficial acceptance of the revised draft HCP. The GM presented the suggested edits to the Board committee and then the edits were approved at the regular Board meeting on January 14th, 2016.
- The GM, staff, and consultants then shifted towards assisting the FWS and HCP consultant, Hicks and Company, with completion of the draft Environmental Impact Statement (EIS). Although the agreed upon expenses with Hicks had been expended before completion of the draft EIS, the GM negotiated to have Hicks continue to support the completion of the draft EIS which was completed in June of 2016.
- Upon completion of the draft EIS, the ITP application was modified and provided to the FWS Austin office where it was approved for submittal to the USFW Regional office in Albuquerque for review.

- The GM negotiated and the Board approved on September 8, 2016 a contract amendment with Hicks and Company to continue to provide support and complete preparation of the final HCP and EIS to be noticed for comment, and to provide support to respond to any comments received.

## **Objective 5. Extend current groundwater supplies by encouraging supply-side and demand-side improvements.**

**PS 5-1:** On at least a bi-annual basis, assess the availability and feasibility of regional alternative water supplies and encourage District permittees to diversify their water supplies by fostering arrangements with available water suppliers.

- The District developed rule concepts for guiding and regulating Aquifer Storage and Recovery (ASR) systems within the District. Since the passage of HB 655 and recent changes to Texas Commission on Environmental Quality (TCEQ) Rules TACD Chapter 30 Section 331, the District will make concerted efforts to integrate its ASR rules with those of TCEQ.
- The District continued its ongoing initiatives associated with development of alternative water supplies for the District and its region throughout FY 2016. In FY 2016, the District began studies for a Regional Facility Planning (RFP) grant. This grant was applied for and was awarded funds by TWDB in FY 2015 to do an engineering evaluation of desalination and ASR and to install a multiport well to help characterize the saline Edwards Aquifer. Carollo Engineers was selected to conduct the feasibility portion of this study. The multiport well was installed in August 2016 about 1.5 miles east of the fresh/saline water interface.
- The District applied for a grant for ASR feasibility studies under Rider 25, which was approved with the appropriations bill (HB 1) by the Legislature in the 84<sup>th</sup> session. However, the District was not awarded the grant.

**PS 5-2:** Conduct investigations and, as warranted and feasible, physically alter discrete recharge features that will lead to an increase in recharge to the Edwards Aquifer.

- Antioch Cave is a recharge feature on District property that is capable of contributing a significant amount of water to the Edwards Aquifer when Onion Creek is flowing. A vault constructed over the cave entrance and automated valves allow for clean creek water to enter the cave and for contaminated storm water to be kept out. This system was maintained by District staff in FY 2016 so that the amount of clean creek water entering the cave was maximized. A regular reporting item has been added to the GM report special topics list to provide a monthly oral update on these and other Aquifer Science activities and satisfies this reporting requirement.
- In FY 2016, District staff worked in the field with the City of Austin to clean the grates over cave entrances of sediment and debris, and helped open another recharge feature.

**PS 5-3:** Conduct investigations, as warranted and feasible, to evaluate the potential for the saline zone of the Edwards Aquifer to provide water for a desalination facility, and to evaluate the potential for the Edwards saline zone and the Trinity aquifers beneath the freshwater Edwards as reservoirs for an Aquifer Storage and Recovery (ASR) system.

- The District continued its ongoing initiatives associated with development of alternative water supplies for the District and its region throughout FY 2016. In FY 2016, the District began

studies for a RFP grant. This grant was applied for and was awarded funds by TWDB in FY 2015 to do an engineering evaluation of desalination and ASR and to install a multiport well to help characterize the saline Edwards Aquifer. Carollo Engineers was selected to conduct the feasibility portion of this study. The multiport well was installed in August 2016 about 1.5 miles east of the fresh/saline water interface.

- In FY 2016, the District has been working with other entities in the area, such as City of Buda, City of Kyle, EAA, and Ruby Ranch Water Supply Corporation to evaluate the potential for the Trinity Aquifers as reservoirs for ASR facilities.

**PS 5-4:** Maintain and develop programs that inform and educate District groundwater users and area residents of all ages about water conservation practices and resources and use of alternate water sources including gray water/condensate reuse and rainwater harvesting.

- Through eNews articles and activities such as the Water Conservation Toss, Build A Rain Barrel, and the Rainwater Harvesting Challenge, staff stressed the importance of water conservation and alternate supplies. By teaching teachers to incorporate pertinent and easy-to-use activities into their classroom and making the Water Conservation Toss available for youth groups to use at festivals and events, the District magnifies its ability to communicate this message. Events such as trainings, festivals, and workshops were posted on Facebook and promoted through Twitter.
- In FY 2016, , the saline Edwards Westbay multiport well at Texas Disposal Systems (TDS) was drilled and completed with 18 independent monitor zones. This multiport well will provide insight on water quality and permeability at various intervals (represented by the zones). The District continues to research the feasibility of desalination and ASR technologies to supplement existing water supplies with saline Edwards water resources through grant research and ongoing collaboration with TDS.

**Objective 6. Increase understanding of all District aquifers so that appropriate policy and regulatory decisions are made.**

**PS 6-1: Assess aquifer conditions by sampling and collecting groundwater data from selected wells.**

- The Aquifer Science Team collected 130 samples from sample sites including wells and springs from the Edwards and Trinity aquifers for major ions and isotopes.
- The Regulatory Team collected 11 water quality samples during routine permit inspections or from new well construction inspections.
- The District, in collaboration with Texas Well Owners Network and Texas AgriLife, offered a free water well screening for private wells in the area. Well owners collected their own samples and dropped them off at the District office to be taken for analysis; approximately 69 wells were sampled during Water Well Checkup.

**PS 6-2: Conduct scientific studies to better determine groundwater availability, to understand and prevent threats to water quality, to minimize impacts to water-supply wells and springs, and to provide sound science on which to base District policy.**

- Some of the key activities of the Aquifer Science Team for FY 2016 under this performance standard include the following:
- Refined guidelines for conducting aquifer tests and hydrogeologic reports.
- Performed studies with the City of Austin (CoA) and the Hays Trinity Groundwater Conservation District (HTGCD), and other independent geologists to characterize surface and groundwater interactions along Onion Creek. A paper was published of the findings at the 2016 Gulf Coast Association of Geological Societies GCAGS conference (see publications).
- Performed studies with the EAA, HTGCD, and the University of Texas to characterize the groundwater in central Hays County. This included establishing more than eight continuous monitor wells, and water quality sampling.
- 
- Maintained a monitor well network of about 35 wells with instruments that collect hourly data. The District's weather station at the District office also collects hourly data. The District routinely measures water levels in the two existing multiport monitor wells that were completed in the Edwards and Trinity aquifers.
- Collected water quality data (major ions and isotopes) from about 25 sample locations in FY 2016 (TWDB partnership).

- Collected field parameter, natural fluorescence (District spectrofluorometer), lab data (bacteria, nutrient, and carbon) of surface and groundwaters of central Texas. The data is part of a Master's research project by a student from the University of Malaga, Spain.
- Supported dye trace studies of the CoA by collecting field samples at more than a dozen sites over a period of several months.
- Developed, in cooperation with Magellan Pipeline Company, an annual sampling program in advance of operation of the Longhorn Pipeline that transports crude oil. In April 2016, staff sampled ten spring and well sites for hydrocarbon contaminants using a screening test of BTEX and TPH. Staff also worked on the location of the installation of two new monitor wells anticipated in FY 2017.
- Participated with HTGCD, EAA, and Blanco-Pedernales GCD staff to continue collecting hydrogeologic data regarding the Trinity Aquifer (a continuation of the Hydrogeologic Atlas project).
- Continued development and data collection of a geologic database of the Edwards and Trinity Aquifers in central Texas. Outlined studies and data that will inform the Trinity Groundwater Availability Model (GAM) Conceptual Model. These include the planned installation of additional multiport monitor wells in Hays and Travis Counties in FY 2017. Established traditional monitor wells and surface stream gaging sites in Hays and Travis Counties.
- Staff from the Aquifer Science Team published technical notes, papers and abstracts (see publications).
- Staff from the Aquifer Science Team gave technical presentations to a variety of audiences including: SOS University (Sept 2015), HydroGeo Workshop (Sept 2015), and South Central Texas Water Research Interest Group (June 2016).
- Oversaw the drilling and installation of a deep (1,100 ft) multiport monitoring well on the TDS property as part of the TWDB-funded feasibility study for alternative water supply. Drilling and multiport completion of the well was largely completed at the end of FY 2016. The well has 18 zones primarily in the saline Edwards Aquifer with purging, sampling, and data collection to begin in early FY 2017.
- Installed a shallow multiport well at the Antioch Vault well.
- Oversaw the Needmore Water LLC aquifer test. The data was evaluated and projections made for the potential for unreasonable impacts. A technical memo was developed that recommended compliance levels (special conditions) for the permit request.
- Assisted with aquifer modeling performed by Intera for the purposes of evaluating the effects of pumping on the aquifers for the GMA 10 ER.
- Assisted with the geologic mapping of the Mountain City Quadrangle by Dr. Thomas Grimshaw. Expected publication in FY 2017.

### **FY 2016 Published Reports:**

- Gary, M.O., Hunt, B.B. and Johnson, S., 2015, Hydrogeologic Response to Major Floods on the Blanco River and Edwards-Trinity Aquifers, Central Texas. Geological Society of America, Abstracts with Programs, 2015 GSA Annual Meeting in Baltimore, Maryland, USA, Paper No. 201-3. November 2015.
- Hunt, B.B., and B.A. Smith, 2016, Desired Future Condition Monitoring of the Middle Trinity Aquifer, Groundwater Management Area 9, Central Texas. BSEACD Technical Note 2016-0415. April 2016, 9 pp.
- Hunt, B.B., A. S. Broun, D. A. Wierman, D. A. Johns, and B. A. Smith, 2016, Surface-water and groundwater interactions along Onion Creek, Central Texas: Gulf Coast Association of Geological Societies Transactions, v. 66, p. 261–282.
- Hunt, B.B., A. Andrews, and B.A. Smith, 2016, Hydraulic Conductivity Testing in the Edwards and Trinity Aquifers Using Multiport Monitor Well Systems, Hays County, Central Texas. Barton Springs/Edwards Aquifer Conservation District Report of Investigations. BSEACD RI 2016-0831, August 2016, 39 p.
- Smith, B.A., B.B. Hunt, 2016, Recharge and Water-Quality Controls for a Karst Aquifer in Central Texas. Karst, Groundwater, and Public Health, San Juan, Puerto Rico, January 27 to February 1 2016.
- Svoboda, C., M. Helper, R. Gary, B.B. Hunt, 2015, Central Texas GIS Geologic Map Project: Phase I. BSEACD Technical Note 2014-1201. December 2014, 15 pp.
- Yeats, I.; Helper, M.; and Hunt, B.B., 2015, Application of Airborne Lidar to Geologic Mapping in Central Texas. Geological Society of America, Abstracts with Programs, 2015 GSA Annual Meeting in Baltimore, Maryland, USA, Paper No. 5-13. November 2015.



## **Item 4**

### **Board Discussions and Possible Actions**

**b. Discussion and possible action related to consideration of a Well Drilling Authorization Application submitted by Gragg Tract LP to drill a well in the Lower Trinity Aquifer and to be used for mixed use development, which may include public water supply use and irrigation.**

## **Application Summary and Staff Recommendations**

### **DESCRIPTION OF APPLICATION**

**Applicant:** Gragg Tract, LP

**Type of Application:** Well Drilling Authorization for a new well in the Lower Management Zone

**Request:** To drill a well in the Lower Trinity Aquifer for the purposes of supporting a mixed use development, which may include public water supply and/or irrigation use. A separate Production Permit Application will be required in order to operate and produce from this well in the future.

### **REASON FOR REQUEST**

Gragg Tract LP, filed a well drilling application on September 6, 2016 with the District for a new nonexempt Lower Trinity well. The proposed well is initially being drilled for the purpose of evaluating the viability of a Lower Trinity groundwater source to support a planned future mixed use development, which may include public water supply and/or irrigation use. The applicant initially submitted a Test Well Application on 7/5/16 to drill a Lower Trinity Test Well however, they decided to withdraw the Test Well Application and submit the full Drilling Authorization request. Both the applicant and staff recognized that a Lower Trinity well would need to be designed and completed as a permanent and standard well completion in order to accurately assess the groundwater production rates and water quality. Therefore, to streamline the application process it was not necessary to file a Test Well Application. If the applicant finds the groundwater production and quality to be adequate and desirable, the applicant may consider filing a future production permit application in which case they have indicated that they would also request drill an additional Lower Trinity Well for the purpose of observation during a future aquifer test.

### **WELL/RECEIVING AREA LOCATION**

The proposed well is located in Hays County on a 51.26 acre tract at Old Bliss Spillar Rd (30.134760°, -97.866910°). The well is located on a property that is adjacent to the SH 45SW right of way corridor. Attachment A shows the location of the proposed new well and the possible location of a future proposed observation well. The produced groundwater is proposed to be used primarily for future 224.16 acre mixed use development that would include multi-family and single-family developments as well as retail and office space.

### **WELL DESIGN**

The total well depth will be approximately 1,600 ft below ground surface and completed so that water is only produced from the Lower Trinity Sligo and Hosston Formations (Attachment B).

### **APPLICATION REVIEW**

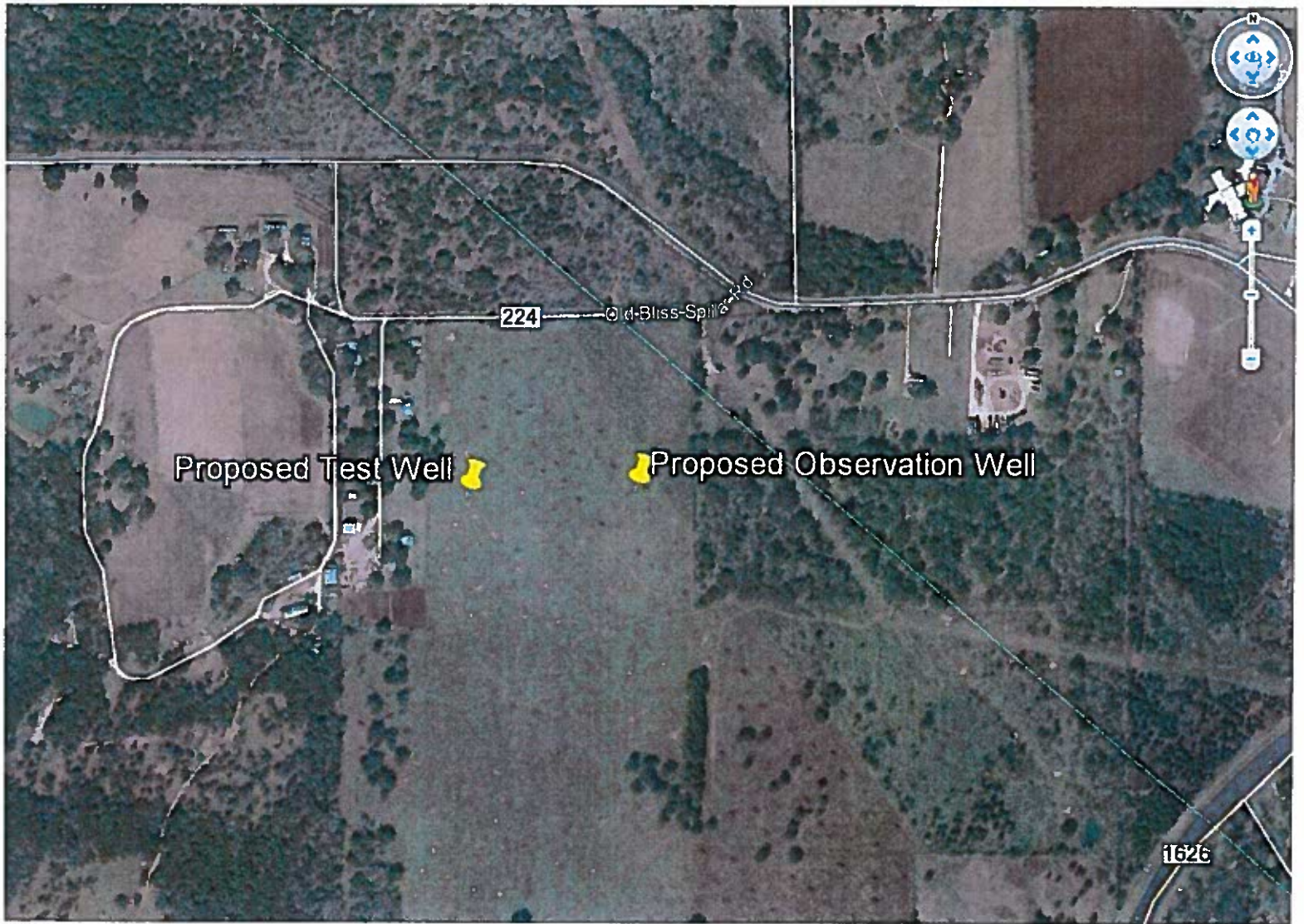
- Staff has reviewed the application and has determined that the application has satisfied all the requirements pursuant to District Rule 3-1.4.A and that the required documentation and payment of fees have been satisfied.

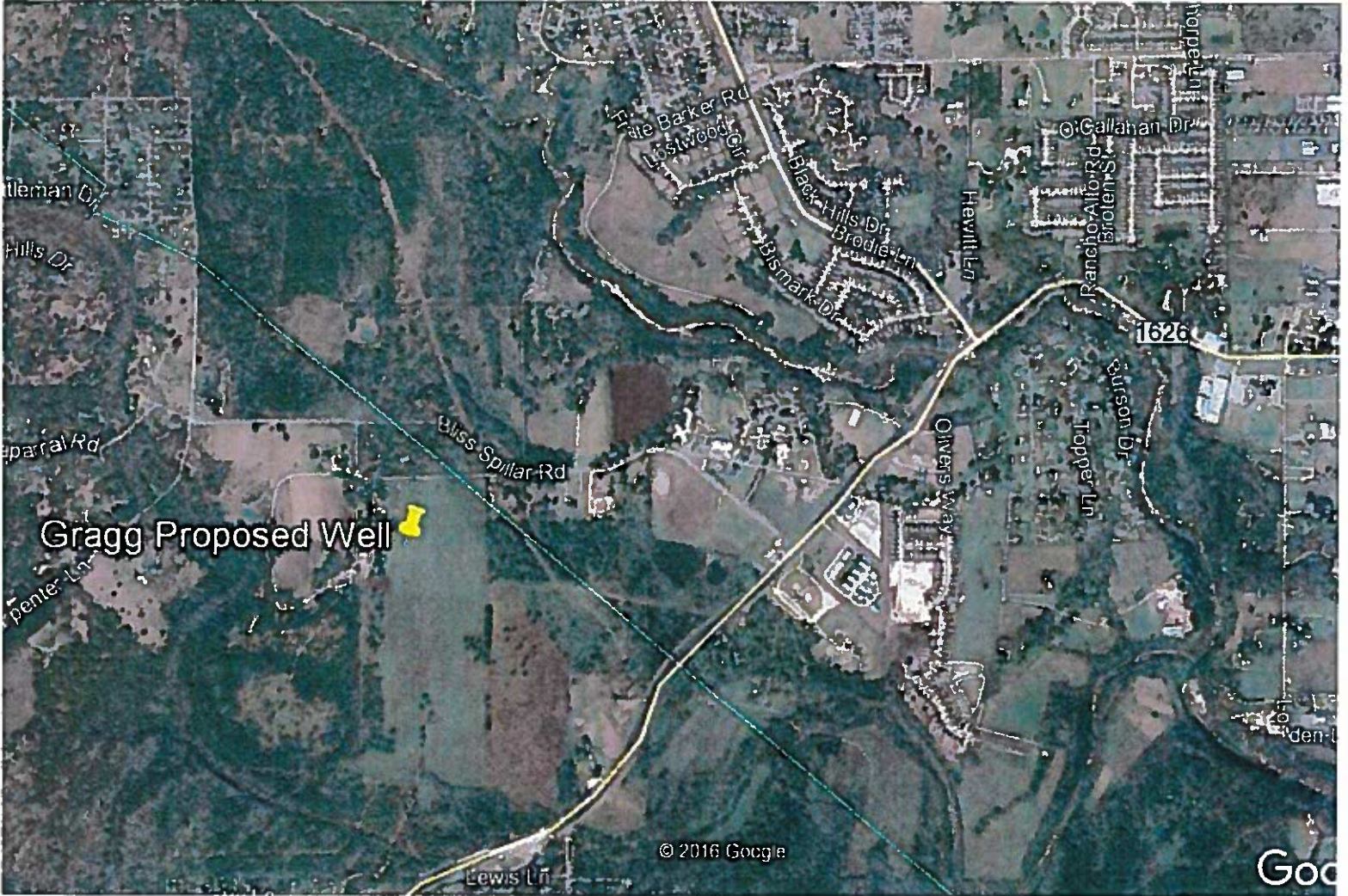
- Staff has determined that the applicant has sufficiently addressed the criteria and considerations for Board action in accordance with District Rule 3-1.6(A).
- Staff has confirmed that the applicant filed proper notice and the required 20-day public comment period has expired in accordance with District Rule 3-1.4.B. (Attachment C).

**STAFF RECOMMENDATIONS**

Staff recommends **approval** of the above-referenced well drilling authorization application.

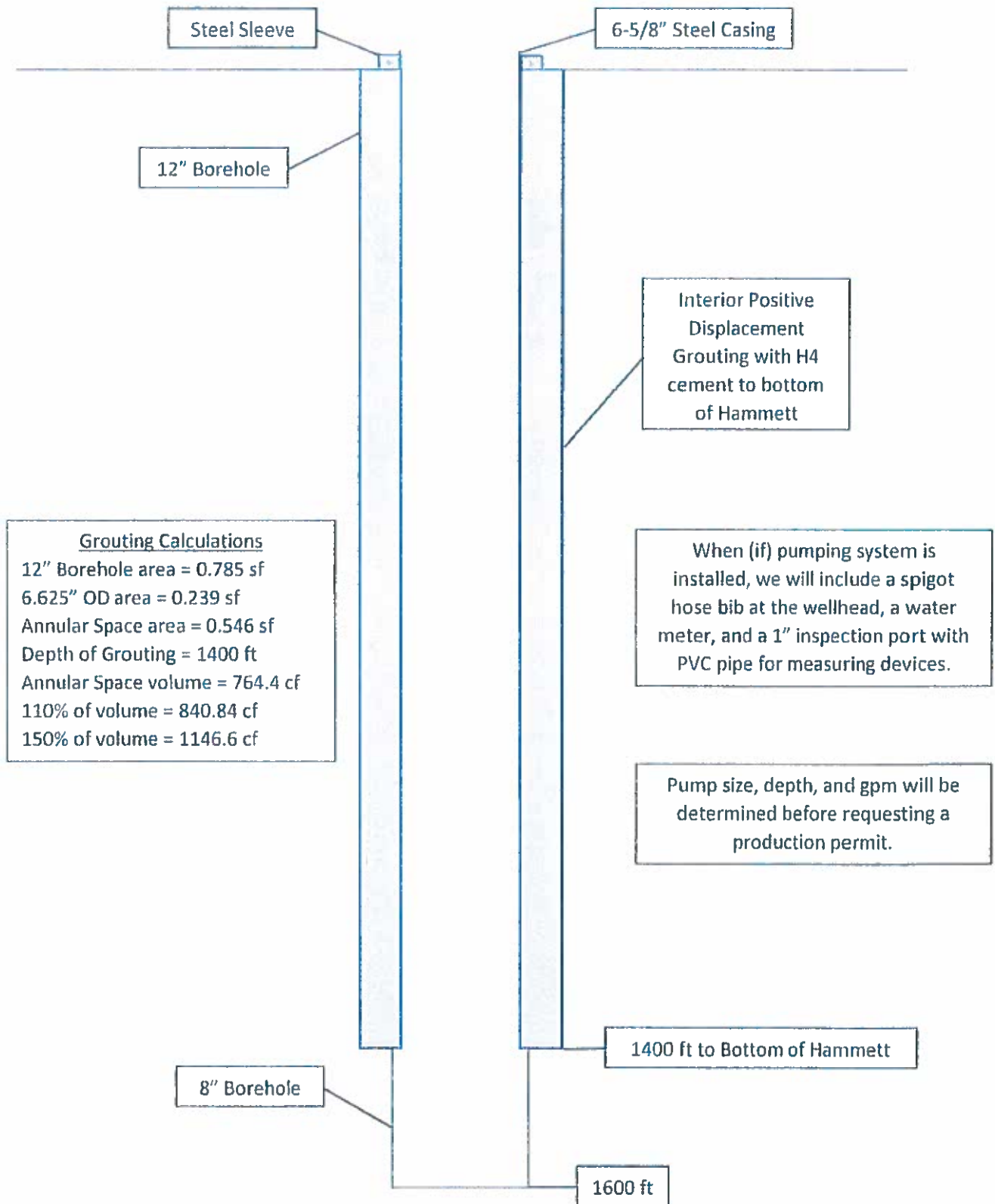
**Appendix A**  
**Well Location Map**





**Appendix B**  
**Well Schematic**

Lower Trinity Test Well



Lead Driller

Jim Blair Lic. #54416-CKMPW

Other Drillers

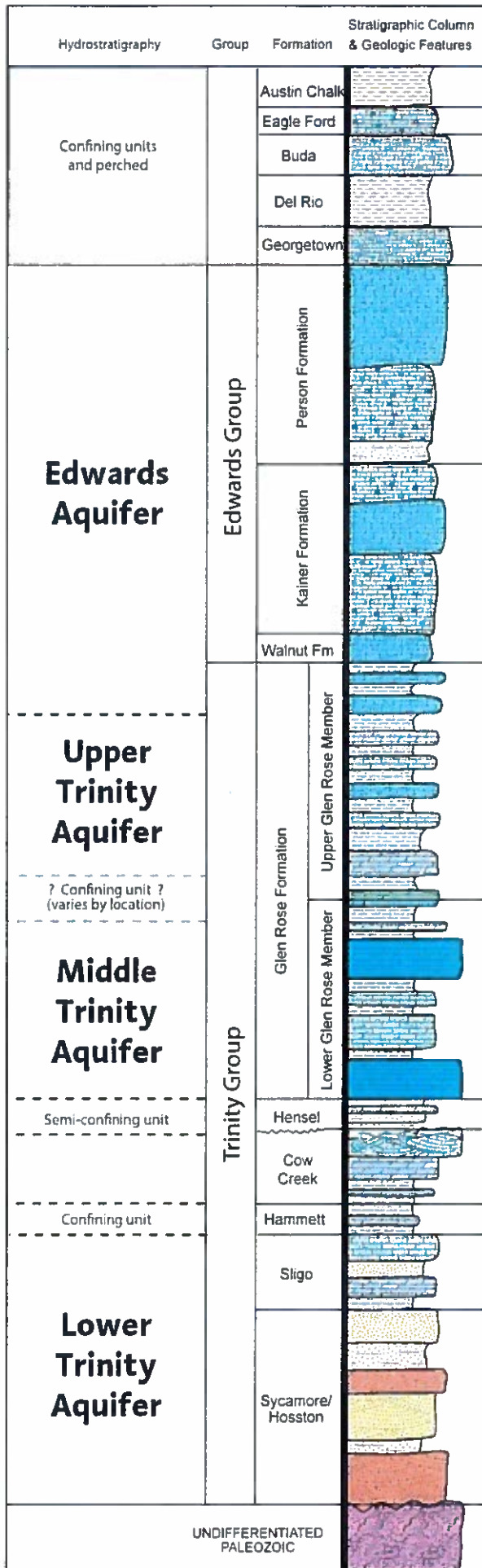
Derek Scott Lic. #59574-W

Michael Scott Lic. #59719-KPW

Greg Svetlik Lic. #56008-CKPW

John Wilkins Lic. #54470-KPTW





## Generalized Stratigraphy of the Edwards and Trinity Aquifers

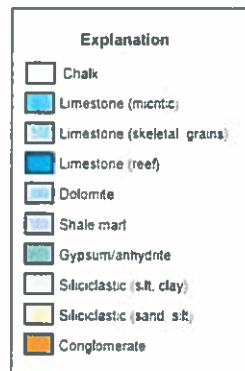


Figure modified from Wferman et al. 2010  
 Stratigraphic notes  
 1 - Edwards Group, Kainer Fm. as defined by Rose (1972).  
 2 - Ages and sequence boundaries from Scott et al. (2007).

For additional detail see Hydrogeologic atlas of the Hill Country Trinity Aquifer, Blanco, Hays and Travis Counties central Texas. Plate 2. Stratigraphic Column and Type Geophysical Logs  
<http://repositories.lib.utexas.edu/handle/2152/8977>

**Attachment C**  
**Proof of Public Notice**

# Hays Free Press

113 West Center Street § P.O. Box 339  
Kyle, Texas 78640 § Buda, Texas 78610

(512) 262-NEWS (Kyle office) • (512) 295-9760 (Buda office) • (512) 268-0262 (fax)

State of Texas  
County of Hays

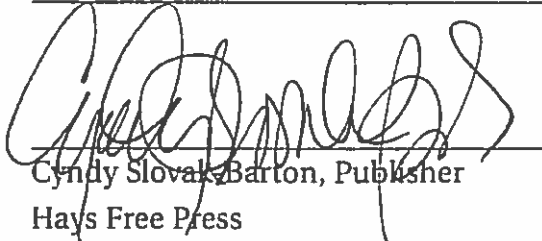
§ Affidavit of Publication  
§

My name is Cyndy Slovak-Barton, and I am Publisher of the Hays Free Press. I am over the age of 18, have personal knowledge of the facts stated herein, and am otherwise competent to make this affidavit.

The Hays Free Press is a legal newspaper publication under Texas law, headquartered and regularly published in Hays County, Texas. It is a newspaper of general circulation, and is generally circulated in Hays, Travis, and Caldwell Counties.

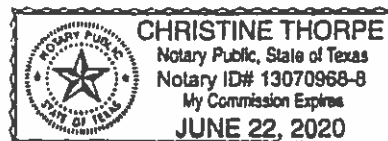
The attachment hereto was published in the Hays Free Press on the following dates at or below the classified legal rate:

Public Notice - Bragg Tract LP filed well drilling  
application September 6, 2016 ran November 2, 2016  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Cyndy Slovak-Barton, Publisher  
Hays Free Press

Subscribed and sworn before me this the 3 day of November, 2016.

  
\_\_\_\_\_  
Notary Public  
Christine Thorpe



Gragg Tract LP, (1010 W. Martin Luther King Jr Blvd, Austin, Texas 78701) filed a well drilling application on September 6, 2016, with the Barton Springs/Edwards Aquifer Conservation District (District) for a new nonexempt well. The proposed Lower Trinity well will be used to support a mixed use development which may include public water supply and/or irrigation use. A separate Production Permit Application will be required in order to operate and produce from this well in the future. The proposed well is located in Hays County on a 51.26 acre tract at Old Bliss Spillar Rd (30.134760°, -97.866910°).

Publication of this notice begins a 20-day public response period for which comments, written formal protests and requests for a public hearing will be accepted by the District. Parties interested in formally participating in a hearing on a contested application should refer to District Rule 4-9.13. For further information, please contact the District, 1124 Regal Row, Austin, Texas 78748, (512) 282-8441, [bseacd@bseacd.org](mailto:bseacd@bseacd.org). You may also contact the applicant, Gragg Tract, LP at (512)-481-0404.  
#665302 10-24/2016

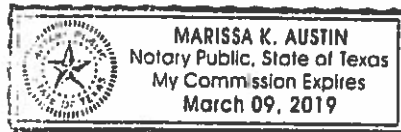
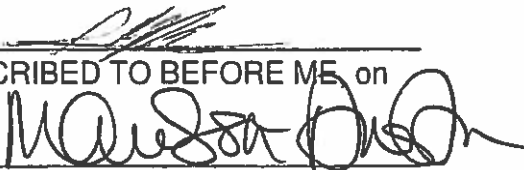
STATE OF TEXAS  
COUNTY OF TRAVIS

Before me, the undersigned authority, a Notary Public in and for the County of Travis, State of Texas, on this day personally appeared Alejandro Cado, Advertising Agent of the Austin American-Statesman, a daily newspaper published in said County and State that is generally circulated in Bastrop, Bell, Blanco, Brazos, Burleson, Burnet, Caldwell, Colorado, Comal, Coryell, Fayette, Gillespie, Gonzales, Guadalupe, Hays, Kerr, Lampasas, Lee, Llano, Milam, Nueces, San Saba, Travis, Washington and Williamson Counties, who being duly sworn by me, states that the attached advertisement was published at the lowest published rate for Classified advertising in said newspaper on the following date(s), to wit: BEE CAVE DRILLING,, First date of Publication 10/24/2016, Last date of Publication 10/24/2016, Web and print times Published 2, Legal Notices, 1 X 32, and that the attached is a true copy of said advertisement.

PUBLIC NOTICE FOR BSEACD

Ad ID: 1300235  
Ad Cost: 317.12

SWORN AND SUBSCRIBED TO BEFORE ME on  
10/31/2016



Notary Public

## **Item 4**

### **Board Discussions and Possible Actions**

**c. Discussion and possible action related to approval of a Resolution on the Travis County Priority Groundwater Management Area.**

**STATE OF TEXAS**

§

**RESOLUTION #111716-01**

**COUNTIES OF HAYS, TRAVIS  
AND CALDWELL**

§

§

§

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE BARTON  
SPRINGS/EDWARDS AQUIFER CONSERVATION DISTRICT  
ADOPTING GUIDING PRINCIPLES FOR THE CREATION OF A  
GROUNDWATER CONSERVATION DISTRICT FOR THE TRAVIS  
COUNTY PORTION OF THE HILL COUNTRY PRIORITY  
GROUNDWATER MANAGEMENT AREA.**

**WHEREAS**, the Texas Legislature through Texas Water Code Chapter 36 has authorized Groundwater Conservation Districts (GCDs) as local political subdivisions of the State and has designated them as the State's preferred means of managing groundwater and groundwater reservoirs; and

**WHEREAS**, the Barton Springs/Edwards Aquifer Conservation District (BSEACD) is a GCD created by an act of the 70<sup>th</sup> Legislature and subject to various requirements of State Law governing GCDs, including Texas Water Code Chapter 36; and

**WHEREAS**, the BSEACD was established for the purpose of providing for the conservation, preservation, protection, recharging and prevention of waste of groundwater and of groundwater reservoirs in the District's jurisdictional area including the Trinity Aquifers underlying the Edwards Aquifer; and

**WHEREAS**, in 1990 the Texas Water Commission (a predecessor to the Texas Commission on Environmental Quality) designated an area including Bandera, Blanco, Gillespie, Kendall, and Kerr Counties; and parts of Comal, Hays, and Travis Counties as the Hill Country Priority Groundwater Management Area (PGMA) recognizing it as an area that is experiencing or is expected to experience critical groundwater problems due to the groundwater supply limitations of the Trinity Aquifer; and

**WHEREAS**, upon designation of a PGMA, the Texas Commission on Environmental Quality (TCEQ) must recommend that the area be covered by a GCD by either creation of one or more new districts; addition of the area to one or more existing districts; or a combination of these actions pursuant to Texas Water Code Chapter 35.008(g); and

**WHEREAS**, southwestern Travis County within the Hill Country PGMA has not been covered by creation of a GCD or joined to an existing GCD; and

**WHEREAS**, management (or lack thereof) of the groundwater resources of the Trinity Aquifer immediately updip of the Trinity Aquifer managed by the BSEACD will affect the availability of groundwater resources within the jurisdictional area of the BSEACD; and

**WHEREAS**, on November 15, 2016, the Travis County Commissioners Court considered adoption of guiding principles for consideration of its support of either administrative actions or legislation proposing to create a GCD in the Travis County portion of the Hill Country PGMA or add this area to an existing GCD.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Barton Springs/Edwards Aquifer Conservation District (Board):

That the Board adopts the following guiding principles adopted by the Travis County Commissioners Court for the creation of a GCD to ensure that the shared Trinity Aquifer updip and immediately adjacent to the District's jurisdictional area is effectively managed:

1. Creation of a GCD rather than leaving groundwater management unaddressed within the PGMA.
2. A GCD with adequate funding provided to the maximum extent feasible, by the users of groundwater within the GCD.
3. A GCD with effective other powers, as authorized by State law in Chapter 36, Texas Water Code.
4. Powers that could be prohibited include the power to assess ad valorem property taxes and the power of eminent domain.
5. Powers that should not be prohibited include authority to enter private property of an owner of any groundwater well for legitimate purposes related to groundwater management, the authority to establish and collect well production fees, based on authorized pumpage from non-exempt wells, and other appropriate authority to establish modest fees for groundwater management as set out in Chapter 36.
6. A territory that includes all geographic area within the PGMA in southwest Travis County, including the area within municipal boundaries.
7. A GCD that does not require a confirmation election, since it is in a PGMA and since it has no taxation authority.
8. Consideration of options that may include a territory of the GCD that consolidates the Trinity aquifer portion of Travis County with other Trinity Aquifer GCDs adjacent to Travis County, if support can be gained for such an option and if a combined area had effective groundwater management capability.
9. Opposition to legislation that would limit the powers of a GCD to independently collect revenue necessary for effective groundwater management.

These guiding principles are consistent with the powers common to other functional GCDs to implement effective groundwater management via the State's preferred method of locally-based GCDs.

In Favor \_\_\_\_\_

Opposed \_\_\_\_\_

**PASSED AND APPROVED THIS \_\_\_\_\_ DAY OF NOVEMBER, 2016.**

\_\_\_\_\_  
Blayne Stansberry, President

ATTEST:

\_\_\_\_\_  
Blake Dorsett, Secretary

DRAFT



## **Item 4**

### **Board Discussions and Possible Actions**

**d. Discussion and possible action related to approval of an access agreement with the Hays County Emergency Services District No. 4) (dba Wimberley Volunteer Fire Department) to install and collect data from a multiport monitor well on their property.**

## **Item 4**

### **Board Discussions and Possible Actions**

**e. Discussion and possible action for finalizing November 8, 2016 general elections including presentation of Certificate of Election to newly-elected directors; completion of statement of officer; administering oath of office to directors; and approval of bond.**



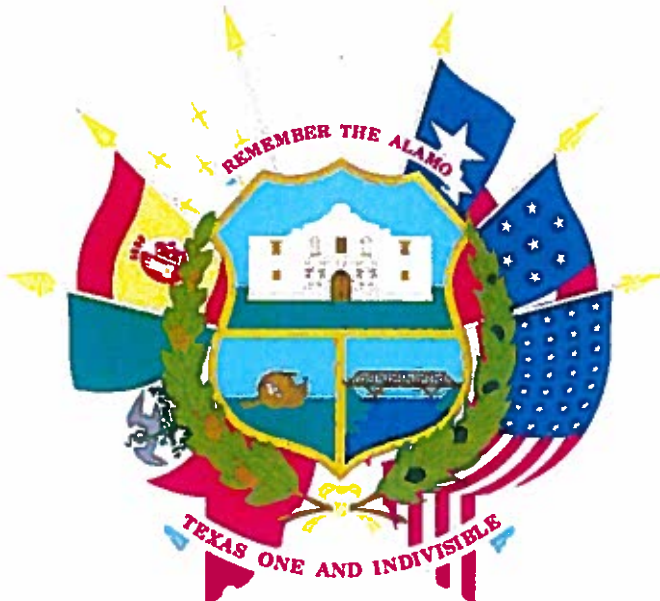
In the name and by the authority of

## The State of Texas

THIS IS TO CERTIFY, that Mary Stone was duly elected for purposes of the November 8, 2016 election, pursuant to the Order Cancelling Election issued on September 8, 2016, cancelling the election that was scheduled to be held on November 8, 2016 for Director Precinct 1 of the Barton Springs Edwards Aquifer Conservation District.

In testimony whereof, I have hereunto signed my name and caused the Seal of \_\_\_\_\_ to be affixed at the City of \_\_\_\_\_, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Signature of Presiding Officer of  
Canvassing Authority



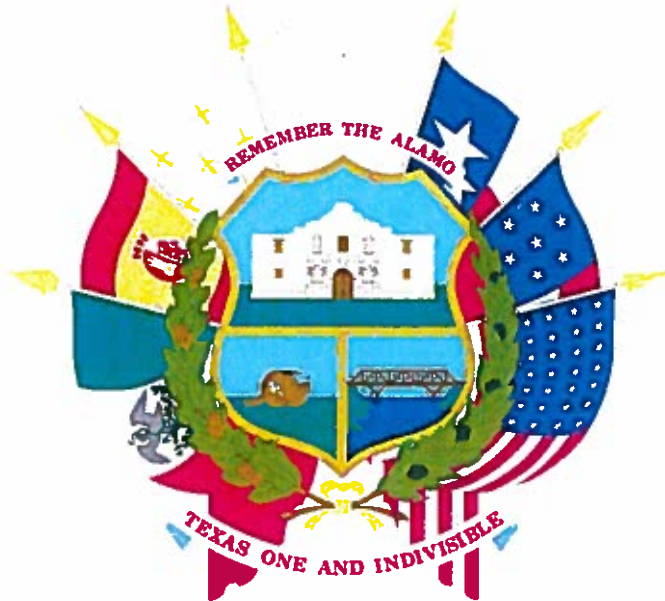
In the name and by the authority of

## The State of Texas

THIS IS TO CERTIFY, that Robert (Bob) Larsen was duly elected for purposes of the November 8, 2016 election, pursuant to the Order Cancelling Election issued on September 8, 2016, cancelling the election that was scheduled to be held on November 8, 2016 for Director Precinct 4 of the Barton Springs Edwards Aquifer Conservation District.

In testimony whereof, I have hereunto signed my name and caused the Seal of \_\_\_\_\_ to be affixed at the City of \_\_\_\_\_, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Signature of Presiding Officer of  
Canvassing Authority



In the name and by the authority of

## The State of Texas

THIS IS TO CERTIFY, that Blake L. Dorsett was duly elected for purposes of the November 8, 2016 election, pursuant to the Order Cancelling Election issued on September 8, 2016, cancelling the election that was scheduled to be held on November 8, 2016 for Director Precinct 3 of the Barton Springs Edwards Aquifer Conservation District.

In testimony whereof, I have hereunto signed my name and caused the Seal of \_\_\_\_\_ to be affixed at the City of \_\_\_\_\_, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_  
Signature of Presiding Officer of  
Canvassing Authority

This space reserved for office use

Submit to:  
SECRETARY OF STATE  
Government Filings Section  
P O Box 12887  
Austin, TX 78711-2887  
512-463-6334



OATH OF OFFICE

Filing Fee: None

IN THE NAME AND BY THE AUTHORITY OF THE STATE OF TEXAS,  
I, \_\_\_\_\_, do solemnly swear (or affirm), that I will faithfully  
execute the duties of the office of \_\_\_\_\_ of  
the State of Texas, and will to the best of my ability preserve, protect, and defend the Constitution and laws  
of the United States and of this State, so help me God.

\_\_\_\_\_  
Signature of Officer

.....  
State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

Sworn to and subscribed before me  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

(seal)

\_\_\_\_\_  
Signature of Notary Public or Other Officer  
Administering Oath

\_\_\_\_\_  
Printed or Typed Name

## **Item 4**

### **Board Discussions and Possible Actions**

**f. Discussion and possible action related to interim legislative activity of interest to the District.**

## **Item 4**

### **Board Discussions and Possible Actions**

**g. Discussion and possible action related to the City of Dripping Springs TPDES permit application to authorize direct discharge of treated wastewater to Onion Creek in the contributing zone of the Barton Springs segment of the Edwards Aquifer.**



## Item 5

### Director's Reports

**Directors' Reports.** *(Note: Directors' comments under this item cannot address an agenda item posted elsewhere on this agenda and no substantive discussion among the Board Members or action will be allowed in this meeting. Communications reported under this item may be used to support Performance Standard 4-1 of the District's Management Plan related to demonstration of effective communication with District constituents.)*

Directors may report on their involvement in activities and dialogue that are of likely interest to the Board, in one or more of the following topical areas:

- Meetings and conferences attended or that will be attended;
- Conversations with public officials, permittees, stakeholders, and other constituents;
- Commendations; and
- Issues or problems of concern.

**Item 6**

**Adjournment**