

NOTICE OF OPEN MEETING

Notice is given that a **Regular Meeting and Public Hearing** 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 19, 2015**, 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 adjourn into 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 22, 2015 Regular Meeting. **Not for public review at this time**
 3. Approval to close the District office on Tuesday, December 21, 2015. **NBU**
 4. Approval of the staff's individual incentive compensation projects for FY 2016. **NBU**
 5. Approval to issue a Request for Qualifications/Proposals for solicitation of a new financial auditor. **NBU**
 - 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. 13
- ii. Update on activities related to GMA and regional water planning
- iii. Update on regulatory and enforcement activities
- iv. Update on ongoing and prospective District grant projects
- v. Update on activities related to the HCP and the associated draft EIS

4. Public Hearing – GMA 9 DFCs Pg. 20

The District will hold a public hearing on: 1) proposed Desired Future Conditions (DFCs) for the Trinity Aquifer (throughout GMA-9), the Edwards-Trinity Plateau Aquifer (Kendall County), the Ellenburger-San Saba Aquifer (Kendall County), and the Hickory Aquifer (Kendall County), and 2) proposed Non-Relevant Aquifer classifications for the Edwards Aquifer-Balcones Fault Zone Aquifer (Bexar, the Comal, Hays, and Travis Counties), the Edwards-Trinity Plateau Aquifer (Blanco and Kerr Counties), the Ellenburger-San Saba (Blanco and Kerr Counties), the Hickory Aquifer (Blanco, Hays, Kerr, and Travis Counties), the Marble Falls Aquifer (Blanco County) adopted by GMA-9. The Board will accept oral comment, testimony, and other documentation and information relevant to the proposed DFCs and Non-Relevant Aquifer Classifications.

5. 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 2015, to be included in the District’s Annual Report. Pg. 34
- b. Discussion and possible action related to amending the FY16 Budget. Pg. 93
- c. Discussion and possible action related to activities associated with the District review of State Highway 45 Southwest design plans. Pg. 104

6. 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.

7. Adjournment.

Came to hand and posted on a Bulletin Board in the Courthouse, Travis County, Texas, on this, the _____ day of November, 2015, at _____ .m.

_____, Deputy Clerk

Travis County, TEXAS

Please note: This agenda and available related documentation have been posted on our website, 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 22, 2015 Regular Meeting.**
- 3. Approval to close the District office on Tuesday, December 21, 2015.**
- 4. Approval of the staff's individual incentive compensation projects for FY 2016.**
- 5. Approval to issue a Request for Qualifications/Proposals for solicitation of a new financial auditor.**

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 activities related to GMA and regional water planning**
- iii. Update on regulatory and enforcement activities**
- iv. Update on ongoing and prospective District grant projects**
- v. Update on activities related to the HCP and the associated draft EIS**

STATUS REPORT UPDATE FOR NOVEMBER 19, 2015 BOARD MEETING

Prepared by District Team Leaders

					STATUS/COMMENTS
	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION		
GENERAL MANAGEMENT TEAM	John Dupnik				<p>External Meetings Attended: with Heather Cook (CoA); GMA 10; with CoA watershed protection and water utility on grant project support; with CTRMA on SH45 review; with Gap Strategies on contract wrap up; with communications consultant; with Kent Butler Summit Planning Committee; with Needmore reps on Temp Permit; Other Meetings: with Blayne/Mary of FY Education Goals; with Board Alt Supplies subcommittee on grant application; District staff retreat; Presentations: TWCA Fall Conference presentation and panel; Travis County Commissioners Court on grant support; TARG meeting on Rider 25 grant support; Conferences: TWCA Fall Conference</p>
	JD	11/13/2015	Meetings, Training, Presentations, and Conferences		<p>Ongoing Special Projects: TDS saline zone investigation/alternative saline zone access agreement; CTRMA coordination on SH 45 design review; TWDB desal grant; HB 3405 implementation; District HCP EIS review; CoA wastewater discharge rulemaking petition; Employee Policy Manual Review; joint-regional funding of GAM extension; Building remodel.</p>
Summary of Significant Ongoing Activities	JD	11/13/2015	Ongoing Special Projects, Committees, and Workgroups		<p>Committees and Workgroups: Region K (voting member): GMA 10 (young member); Regional WQ Plan workgroup; Region K Legislation and Policy committee; Region K strategy prioritization committee; Region K water supply strategy committee; HTGCD rules committee; SH 45 Technical work group; Regional Wastewater Technical Work Group; Kent Butler Summit Planning Committee.</p>
	JD	11/13/2015			<p>Routine Activities/Day-to-Day Operations: provided general oversight of staff incentive projects and activities; and oversight of day-to-day operations; approved purchases 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 Leads; presided over Planning Team meetings; serve as liaison between Board and staff; support Board committees; respond to media requests; disseminate media reports and journal articles of possible interest. Consultation with Attorney on: EPM; Purchasing policy; HB 3405; Tex Public Info Act; Redistricting. Other Activities: coordinate joint-funding of GAM extension; coordinate with CTRMA on SH 45; coordinate team tasks for implementing HB 3405; coordinate RFP grant project; coordinate application for TWDB Rider 25 grant; finalize FY16 annual goal/GM objectives; finalize FY16 incentive projects; prepare TWCA conference presentation; Update FY16 revenue estimates and budget amendment; revise staffing plan; work with GMA 10 on revised ER analysis and alternative Sulfur Edwards I DFC; coordinate with Directors on implementing EduOutreach FY16 Goals; 2016 Kent Butler Summit planning; Needmore Temp Permit review and issuance; Coordinate MP objectives assessment; present to Travis County Commissioners on Rider 25 grant support; District staff retreat.</p>
ADMINISTRATION TEAM	Dana Christine Wilson				<p>All current regular permit-holding permittees are up to date, or are in process and have been contacted.</p>
Accounts Receivable - A	DCW	05-Nov-15	Permittee accounts carrying a past due balance:		<p>November monthly billings for \$25,301. December monthly billings and 2nd quarter (Dec/Jan/Feb) invoice date is November 16th.</p>
Accounts Receivable - B	DCW	05-Nov-15	Billings - current month/December, and 2nd quarter invoicing		<p>This year only 2: Creedmoor (\$41,60) and Texas Lehigh Plant (\$47,1.97) for a total of \$888.57, which is enough for 1 child to attend the week-long camp (\$650) and 1 child to attend the 2-day camp (\$150). Last year we were able to send 7 children to the week-long camp and 12 children to the 2-day camp for a total of \$6,350.</p>
Accounts Receivable - C	DCW	13-Nov-15	Conservation Credit donations to camp scholarships		

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Accounts Receivable - D	DCW	05-Nov-15	Temporary Permits - entry into master billing system, and initial invoicing.	Each individual permittee's invoice required its own memo explaining options for billing cycles, and billing cycle requirements. This is a little different than current billings due to catching these temporary permits up through the 2nd quarter of the fiscal year (for those that will be on the quarterly cycle and the monthly cycle). Annual cycle permittees will pay the full annual invoice; this applies to those whose annual permit billing amounts are less than \$100 per year.
Audit General - A - Figer	DCW	13-Nov-15	Annual Financial Audit - preparation in process until actual start date.	Audit usually begins in early November.
Audit General - B - IMPORTANT UPDATE	DCW	13-Nov-15	Auditor has backed out of the audit this year. After 2-3 weeks and a couple phone calls and email requests as to the start date, Mike Figer called back to inform us that since his lead auditor left the firm, that he was no longer interested in handling public audits due to peer reviews, the extensive amount of work that is involved, and other related requirements so he was just going to handle tax - related clients, which is his main business.	Does this put us in a bind to meet our December 31st deadline? Yes, it does. We have started working on an RFQ to solicit a new District auditor. We have a list of 4 that handle public audits that were suggested to us by our previous auditor that we can solicit specifically with the RFQ. Usual response to our RFQs in the past have been 3 to 5 at the most.
Audit General - C - MD&A	DCW	13-Nov-15	Preparing the Management Discussion and Analysis, a required component of the audit report.	The MD&A is a very important part of an annual report. It provides an overview of the previous year of operations, contains useful information, and touches on the upcoming year and future projects.
Audit - 2015 - TML Specific	DCW	05-Nov-15	Prepared (and have completed) the annual workers' compensation payroll audit through R Dylong & Associates in Rockwall TX, for the Texas Municipal League (TML) who handles our workers' compensation insurance policy (along with all of our other District insurances, excluding health policies).	This audit uses completely separate figures than the usual and customary District quarterly figures. This audit uses calendar year (tax) quarters so it requires a separate assessment. This audit is done by Gary Gotforth. This was completed via telephone calls, which is customary and usual, on November 6.
Budget Revision 1 for Fiscal Year 2016	DCW	13-Nov-15	This is on the current agenda for Board review, and was required due to unforeseen circumstances that required major budget cuts and reassessments.	This task was a major revamping that required input of most staff members and the reworking of many projects that we had originally planned. This also included adjusting our annual pumpage analysis.
Financial Reporting - Website	DCW	05-Nov-15	Most current, available financial reports are posted.	Transaction Detail by Account, Balance Sheet, and Profit and Loss Statement through September 2015.
Insurance - Health Premiums, and New Broker Retained	TR	01-Nov-15	The District has changed insurance brokers from Darrell Breeden to Cody Morgan with Higginbotham, a division of William Gammon Insurance (William Gammon has handled our public bonds for many years).	Tammy has found an alternate program within our current insurance policy, United Healthcare All Savers plan, designed for healthy groups. This plan will save on dependent coverage with the same deductibles but some slightly higher co-pays. This new coverage took effect on November 1 and saves the District 22.9%.
Records Management, Storage, and Retention	DCW/SD	05-Nov-15	Storing into file boxes FY 2015 records for their appropriate retention periods.	This process continues through the audit. This includes scanning all FY 2015 meter readings onto server for permanent retention.
Retirement Plan and Trust - A - The Standard	DCW	13-Nov-15	In process of having a mandatory revision due to legislation.	This incorporates any new rules, laws and policies.
Retirement Plan and Trust - B -The Standard	DCW	13-Nov-15	Annual compliance reporting aka Trust Accounting.	Annual compliance testing and compliance testing date validation with employee census data. Will take 45 days. Update: Received completed compliance testing results and the District passed all applicable compliance tests for this testing session. Will submit to the State Pension Review Board as required by law.

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Retirement Plan and Trust - C - The Standard	DCW	13-Nov-15	Update required to our Investment Advisory Agreement, which includes our Investment Policy Statement.	These are both formalities.
Retirement Plan and Trust - D - The Standard Acquisition	DCW	13-Nov-15	StanCorp, the parent company of The Standard, has been acquired by Meiji Yasuda Life Insurance Company, which is the third largest life insurance company in Japan, headquartered in Tokyo, but it is business as usual at The Standard, who will maintain their current operations at their Oregon headquarters.	They used to have an office in Austin but moved everything to Portland a few years ago.
Retirement System - TexPers	DCW	05-Nov-15	TEXPers membership 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 \$1,621,865.12 multiplied by .000005 for a fee of \$8.11.
Tax Reporting	DCW	30-Oct-15	3rd quarter calendar year C-3 and 941 submitted.	Texas Work Commission, and United States Treasury
REGULATORY COMPLIANCE TEAM				
Temporary Permits	KBE, VE	11/19/2015	New Temporary Permits	Staff has mailed out all Temp Permit Certificates and a provided an informative letter with a list of the next steps that the permittees need to complete and the deadlines. Staff continues to process Part 2 of the application forms. (Hunter Chase Farms, the well owner that missed the Temp Permit deadline, has timely filed a Production Permit that is currently being reviewed.)
City of Buda	KBE, VE	11/19/2015	Test well - New Edwards PWS well	We have an upcoming site inspection at the new well site to meet with Buda staff to discuss the recent flood height levels. As they permanently complete the well, they will have to keep in mind the recent October 2015 flood elevation. A well modification application was submitted and staff is currently reviewing it. The City of Buda previously completed a test well application for a new PWS well to become part of their aggregate system. There will not be a new production permit associated with the new well, it will be an aggregate. The first test well proved to have sufficient yield, therefore Buda will be submitting a well drilling/modification application to complete the well per BSEACD and TCEQ well construction standards. Buda will also be conducting a pump test and completing a hydrogeologic report for this new well.
Mesa Oaks	KBE, VE	11/19/2015	Middle Trinity Well	The permit was approved on 10/7/15. The requested volume was for 1,260,400 gal/yr . The golf course received significant damage from the recent October floods. A production application has been submitted with a request of 175 MGY from the Middle Trinity and staff is currently reviewing the application. Drilling has been completed on the Middle Trinity well. They have drilled the well to total depth at approx. 1,460 ft into the Cow Creek formation. Preliminary results indicate a productive well with production at approx. 300 gpm and TDS approx. 850- 900 mg/l.
Onion Creek Golf Club	KBE, VE	11/19/2015	Middle Trinity Well	The applicant has provided additional application materials that staff is reviewing. The golf course received significant damage from the recent October floods. A production application has been submitted with a request of 175 MGY from the Middle Trinity and staff is currently reviewing the application. Drilling has been completed on the Middle Trinity well. They have drilled the well to total depth at approx. 1,460 ft into the Cow Creek formation. Preliminary results indicate a productive well with production at approx. 300 gpm and TDS approx. 850- 900 mg/l.

		Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
TJ Higginbotham	KBE, VE	11/19/2015	Class C Conditional Freshwater Edwards Application	The Permit with special provisions was approved on 9/10/15 and the applicant has been sent a permit certificate and invoice for production fees. The invoice due date was 11/5/15 for which the District has not yet received payment. The fees will be considered late on 11/16/15. The application has been deemed administratively complete and a public hearing was held on 9/10/15. A couple of comments were received but no formal protests. TJ Higginbotham has submitted a production permit application for a Class C Conditional Freshwater Edwards Permit for 270,000,000 gallons/year. He has an existing Edwards well that is completed per TCEQ standards for PWS.	
HERB	KBE, VE	11/19/2015	Test well - Saline Edwards Well	The Test Well application was administratively complete on 10/22/15 . The test well is being constructed to determine the target production zone due to the location being on the saline interface. The completed well is proposed to be used for makeup water for a stormwater wet pond. Aquifer Science staff had a meeting with the applicant to discuss test well design.	
Drought Statute - No-Drought	KBE, VE	11/19/2015	Drought Compliance Monitoring and Enforcement	No new update. No-drought was declared on January 29, 2015. Staff sent out email and letter to all permittees notifying them of no-drought status.	
EDUCATION & OUTREACH					
Annexation - General	RG	11/12/2015	Registration, boundary, and well owner communication	We have received about 253 online well registrations. Approximately 50 of those have been processed and sent a hardcopy verification in the mail. Robin is working with EAA, HTGCD, and well owners to coordinate a water quality sampling effort to look at pre-recharge and post recharge water quality at 4 Cow Creek sites. Robin and Hunt have been coordinating with HTGCD to establish a monitoring site in Saddleridge (outside the District's boundary).	
Rainwater Revival	RG, SD, VE	11/7/2015	Booth and presentation	Over 900 people attended the 6th annual Rainwater Revival in Dripping Springs. The District was one of the major sponsors. Staff hosted a booth and answered questions about geology, water quality, well constructions, and the permitting process. Robin presented "Art and Science of Groundwater" that introduced and explained some of the tools we use to study aquifers and wells. The Water Conservation Toss was a hit with all ages of festival attendees.	
EARDC Aquatic Science Camp	RG,JC	11/12/2015	Camp Activities planning	Robin and Justin met with the Director of the Texas State Edwards Aquifer Research and Data Center, Aquatic Science Adventure Camp to go over ideas for camp activities that would teach about groundwater and wells. This year we will reserve slots for our scholarship winners. Last year, the camp was a huge success and saw a bigger enrollment than in the last 10 years. This year they will focus on adding more fun science activities for evenings and outside.	
Education brainstorm meetings	RG, JD, MS, BS	11/12/2015	Raise general awareness about the District	John and Robin met with Directors Stone and Stansberry to talk about ways to increase the District awareness of the residents of the new area. Ideas discussed were to hire a professional marketing contractor to run a marketing campaign, engage more with the new community groups, increase distribution of eNews, and leverage existing contract with Clean Water Fund to bring education to new homeowners.	
Internet Traffic Report	RG	11/12/2015	Page views and visits to the District Website	The District website will be undergoing some changes in the next few months. The webserver is out-of-date and the website content management system needs to be updated. Over the last month, we've had 3,255 page views from 1,014 visitors. In order of hits the most visited pages were the home page (336), drought status (322), aquifer data (143), and temporary permitting page (135). On the District Facebook page we have 408 people who have signed up to 'Like' us.	
AQUIFER SCIENCE					
				Brian Smith	

				PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Dye Tracing	BS, BH	11/12/2015	Dye tracing	Discussions are underway with the EAAs and CoA about potential dye tracings in the upcoming months. Locations include sinkholes and wallets in the Blanco River. Providing that there is flow in Onion Creek, dye will be injected into Antioch Cave later this winter or in the spring.	
Central Hays County Groundwater Evaluation	RG, BH, BAS, JC	11/12/2015	Well and hydrogeology characterization	District staff are establishing a monitoring network of nearby wells to collect data during the EP aquifer test. Revisions are being made to the aquifer test guidelines, and a definition for unreasonable impacts is being developed.	
Antioch Cave	BS, BH, JC	11/12/2015	Onion Creek Recharge Enhancement Project	The Antioch system is open to allow recharge, and there is flow in Onion Creek due to heavy rains in October.	
Water-Quality Studies	BS, BH, JC	11/12/2015	Sampling and analysis of groundwater and surface water	District staff, in cooperation with the TWDB, have begun sampling wells and springs. In addition, the staff is sampling wells and springs as part of the Magellan Pipeline monitoring effort. TWDB provided additional funding for water sampling, so a number of wells and springs were sampled.	
Saline Zone Studies	BS, BH	11/12/2015	Installation of multiport monitor well	Plans are moving forward for installation of a saline Edwards multiport well in conjunction with a test well installed by TDS. We are currently working on an access agreement with TDS. On July 8, the District was officially notified of an award of a regional planning grant for work on the saline Edwards, and a contract was signed on Aug. 27.	
Drought and Water-Level Monitoring	BH, BS, JC	11/12/2015	Drought status, monitor wells, and synoptic water level events	January 30, 2015, the District Board declared non-drought conditions. The District had been in drought since August 15, 2014. Because of heavy rains in October, the water level in the Lovelady well is rising. As of Nov. 12, the water level in the Lovelady well was at 515.0 ft above msl. Because of flooding in Barton Creek, the Barton Springs gage is not reporting. Prior to the October rains, Barton Springs had been flowing at about 75 cfs.	
Information Transfer	BS, BH, JC	11/12/2015	Presentations, conferences, reports, and publications	District staff finalized a paper that was published by Springer on surface-groundwater interactions. Staff are working on the Vol. 2 of the Hydrogeologic Atlas.	
AD-HOC TEAMS					
Technical Team	BAS	11/12/2015	Current areas of discussion	Topics of discussion at the technical team meeting in October were the definition of unreasonable impacts, the TWDB grant award, and permitting for the annexed area.	
Planning Team	JD	11/2/2015	Strategic and tactical planning and discussion topics	New Business: Team Reports on annexation activities; Staffing plan; Permit revenue outlook and budgeting; MP objectives assessment	
UPCOMING ITEMS OF INTEREST					
15th annual Bell County Water Symposium		11/19/2015			
November Board Meeting		11/19/2015	Only meeting in November		
Thanksgiving Day		11/26/2015	District offices closed		
Day after Thanksgiving		11/27/2015	District offices closed		
EAAs Well Owner Road Show		12/3/2015			
December Board Meeting		12/17/2015	Only meeting in December		
Possible Office Closure		12/22/2015	All staff scheduled for leave		
Christmas Eve Holiday Observed		12/23/2015	District offices closed		
Christmas Day Holiday Observed		12/24/2015	District offices closed		
Day After Christmas Observed		12/25/2015	District offices closed		
New Years Day Holiday		1/1/2016	District offices closed		

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
1st January Board Meeting		1/14/2016		
Groundwater Stewardship Award Nominations Due		1/20/2016		
2nd January Board Meeting		1/28/2016		

Item 4 **Public Hearing**

The District will hold a public hearing on: 1) proposed Desired Future Conditions (DFCs) for the Trinity Aquifer (throughout GMA-9), the Edwards-Trinity Plateau Aquifer (Kendall County), the Ellenburger-San Saba Aquifer (Kendall County), and the Hickory Aquifer (Kendall County), and 2) proposed Non-Relevant Aquifer classifications for the Edwards Aquifer-Balcones Fault Zone Aquifer (Bexar, the Comal, Hays, and Travis Counties), the Edwards-Trinity Plateau Aquifer (Blanco and Kerr Counties), the Ellenburger-San Saba (Blanco and Kerr Counties), the Hickory Aquifer (Blanco, Hays, Kerr, and Travis Counties), the Marble Falls Aquifer (Blanco County) adopted by GMA-9. The Board will accept oral comment, testimony, and other documentation and information relevant to the proposed DFCs and Non-Relevant Aquifer Classifications.



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NOTICE OF PUBLIC HEARING

Notice is given that a **Public Hearing** by 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, during its Regular Meeting on **Thursday, November 19, 2015, at 6:15 p.m.** for the following purpose:

Groundwater Management Area 9 Proposed Desired Future Conditions and Proposed Non-Relevant Aquifer Classifications

At an open meeting of the **Groundwater Management Area 9 Joint Planning Committee** (GMA-9) held on September 28, 2015 in Dripping Springs, Texas, and attended by representatives from the following groundwater conservation districts located wholly or partially within Groundwater Management Area 9: Bandera County River Authority and Groundwater District, Barton Springs/Edwards Aquifer Conservation District, Blanco-Pedernales Groundwater Conservation District, Comal Trinity Groundwater Conservation District, Cow Creek Groundwater Conservation District, Edwards Aquifer Authority, Headwaters Groundwater Conservation District, Hays Trinity Groundwater Conservation District, Trinity-Glen Rose Groundwater Conservation District, and Medina County Groundwater Conservation District; GMA-9 considered and adopted the following Proposed Desired Future Conditions (DFCs) and Proposed Non-Relevant Aquifer Classifications for GMA-9:

Proposed Desired Future Conditions

Trinity Aquifer

**Allow For An Increase in Average Drawdown of
Approximately 30 Feet Through 2060 (throughout GMA-9)
Consistent with "Scenario 6" in TWDB GAM Task 10-005.**

Edwards-Trinity (Plateau) Aquifer

**Allow For No Net Increase in Average Drawdown in Bandera
and Kendall Counties through 2070.**

Ellenburger-San Saba Aquifer

**Allow For An Increase in Average Drawdown of No More
Than 2 Feet in Kendall County through 2070.**

Hickory Aquifer

**Allow For An Increase in Average Drawdown of No More
Than 7 Feet in Kendall County through 2070.**

Proposed Non-Relevant Aquifer Classifications

Edwards Aquifer (Balcones Fault Zone)	Bexar, Comal, Hays, and Travis Counties
Edwards-Trinity (Plateau)	Blanco and Kerr Counties
Ellenburger-San Saba	Blanco and Kerr Counties
Hickory	Blanco, Hays, Kerr, and Travis Counties
Marble Falls	Blanco County

Members of the public are invited to attend and provide oral comment, testimony, and/or submit other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications to the Board of Directors at this Public Hearing.

If unable to attend the Public Hearing, members of the public are invited to submit written comments, testimony, and/or other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications to the Board of Directors at the District Office located at:

1124 Regal Row, Austin, TX 78748

GMA-9 has prepared standardized Public Comment Forms to help you organize and substantiate your submission. This form is available at the address above.

The Public Comment period runs from October 1, 2015 through December 31, 2015.

The District will prepare a report of any relevant comments received at the Public Hearing and attach any written comments, testimony, and/or other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications received through December 31, 2015. This report and attachments will be provided to the GMA-9 Committee for their review, consideration, and incorporation into the DFC decision-making process.

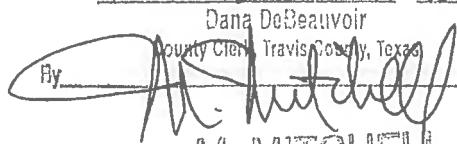
Questions or requests for additional information may be submitted to:
Brian Hunt @ 512-282-8441 or brianh@bseacd.org

Came to hand and posted on a Bulletin Board in the Courthouse, Travis County, Texas, on this,
the _____ day of October 2015, at _____ p.m.

_____, Deputy Clerk

Travis County, TEXAS

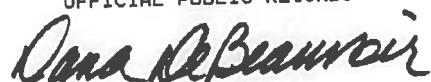
Came to hand and posted on a Bulletin Board in the Courthouse,
Austin, Travis County, Texas on this the 23rd day of
OCTOBER 2015.

By 
Dana DeBeauvoir
County Clerk, Travis County, Texas
Deputy
M. MITCHELL.



FILED AND RECORDED

OFFICIAL PUBLIC RECORDS



Oct 23, 2015 10:04 AM 201581730

MITCHELLM: \$3.00

Dana DeBeauvoir, County Clerk
Travis County TEXAS

Accepted for Filing in:
Hays TX
On: Oct 23,2015 at 01:26P
Bb,
Billie Parker



NOTICE OF PUBLIC HEARING

Notice is given that a **Public Hearing** by 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, during its Regular Meeting on **Thursday, November 19, 2015, at 6:15 p.m.** for the following purpose:

Groundwater Management Area 9
Proposed Desired Future Conditions and Proposed Non-Relevant Aquifer Classifications

At an open meeting of the **Groundwater Management Area 9 Joint Planning Committee** (GMA-9) held on September 28, 2015 in Dripping Springs, Texas, and attended by representatives from the following groundwater conservation districts located wholly or partially within Groundwater Management Area 9: Bandera County River Authority and Groundwater District, Barton Springs/Edwards Aquifer Conservation District, Blanco-Pedernales Groundwater Conservation District, Comal Trinity Groundwater Conservation District, Cow Creek Groundwater Conservation District, Edwards Aquifer Authority, Headwaters Groundwater Conservation District, Hays Trinity Groundwater Conservation District, Trinity-Glen Rose Groundwater Conservation District, and Medina County Groundwater Conservation District; GMA-9 considered and adopted the following Proposed Desired Future Conditions (DFCs) and Proposed Non-Relevant Aquifer Classifications for GMA-9:

Proposed Desired Future Conditions

Trinity Aquifer

Allow For An Increase in Average Drawdown of Approximately
30 Feet Through 2060 (throughout GMA-9) Consistent with
"Scenario 6" in TWDB GAM Task 10-005.

Edwards-Trinity (Plateau) Aquifer

Allow For No Net Increase in Average Drawdown in Bandera
and Kendall Counties through 2070.

Ellenburger-San Saba Aquifer

Allow For An Increase in Average Drawdown of No More Than
2 Feet in Kendall County through 2070.

Hickory Aquifer

**Allow For An Increase in Average Drawdown of No More Than
7 Feet in Kendall County through 2070.**

Proposed Non-Relevant Aquifer Classifications

Edwards Aquifer (Balcones Fault Zone)	Bexar, Comal, Hays, and Travis Counties
Edwards-Trinity (Plateau)	Blanco and Kerr Counties
Ellenburger-San Saba	Blanco and Kerr Counties
Hickory	Blanco, Hays, Kerr, and Travis Counties
Marble Falls	Blanco County

Members of the public are invited to attend and provide oral comment, testimony, and/or submit other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications to the Board of Directors at this Public Hearing.

If unable to attend the Public Hearing, members of the public are invited to submit written comments, testimony, and/or other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications to the Board of Directors at the District Office located at:

1124 Regal Row, Austin, TX 78748

GMA-9 has prepared standardized Public Comment Forms to help you organize and substantiate your submission. This form is available at the address above.

The Public Comment period runs from October 1, 2015 through December 31, 2015.

The District will prepare a report of any relevant comments received at the Public Hearing and attach any written comments, testimony, and/or other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications received through December 31, 2015. This report and attachments will be provided to the GMA-9 Committee for their review, consideration, and incorporation into the DFC decision-making process.

Questions or requests for additional information may be submitted to:
Brian Hunt @ 512-282-8441 or brianh@bseacd.org

Came to hand and posted on a Bulletin Board in the Courthouse, Hays County, Texas, on this,
the _____ day of October 2015, at _____ p.m.

_____, Deputy Clerk
Hays County, TEXAS



NOTICE OF PUBLIC HEARING

Notice is given that a **Public Hearing** by 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, during its Regular Meeting on **Thursday, November 19, 2015, at 6:15 p.m.** for the following purpose:

Groundwater Management Area 9
Proposed Desired Future Conditions and Proposed Non-Relevant Aquifer Classifications

At an open meeting of the **Groundwater Management Area 9 Joint Planning Committee** (GMA-9) held on September 28, 2015 in Dripping Springs, Texas, and attended by representatives from the following groundwater conservation districts located wholly or partially within Groundwater Management Area 9: Bandera County River Authority and Groundwater District, Barton Springs/Edwards Aquifer Conservation District, Blanco-Pedernales Groundwater Conservation District, Comal Trinity Groundwater Conservation District, Cow Creek Groundwater Conservation District, Edwards Aquifer Authority, Headwaters Groundwater Conservation District, Hays Trinity Groundwater Conservation District, Trinity-Glen Rose Groundwater Conservation District, and Medina County Groundwater Conservation District; GMA-9 considered and adopted the following Proposed Desired Future Conditions (DFC's) and Proposed Non-Relevant Aquifer Classifications for GMA-9:

Proposed Desired Future Conditions

Trinity Aquifer

Allow For An Increase in Average Drawdown of Approximately 30 Feet Through 2060 (throughout GMA-9) Consistent with "Scenario 6" in TWDB GAM Task 10-005.

Edwards-Trinity (Plateau) Aquifer

Allow For No Net Increase in Average Drawdown in Bandera and Kendall Counties through 2070.

Ellenburger-San Saba Aquifer

Allow For An Increase in Average Drawdown of No More Than 2 Feet in Kendall County through 2070.

Hickory Aquifer

FILED this 23rd day of Oct, 2015
1:05 PM
CAROL HOLCOMB
COUNTY CLERK, CALDWELL COUNTY, TEXAS
By Ruthina Nofina Deputy

**Allow For An Increase in Average Drawdown of No More Than
7 Feet in Kendall County through 2070.**

Proposed Non-Relevant Aquifer Classifications

Edwards Aquifer (Balcones Fault Zone)	Bexar, Comal, Hays, and Travis Counties
Edwards-Trinity (Plateau)	Blanco and Kerr Counties
Ellenburger-San Saba	Blanco and Kerr Counties
Hickory	Blanco, Hays, Kerr, and Travis Counties
Marble Falls	Blanco County

Members of the public are invited to attend and provide oral comment, testimony, and/or submit other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications to the Board of Directors at this Public Hearing.

If unable to attend the Public Hearing, members of the public are invited to submit written comments, testimony, and/or other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications to the Board of Directors at the District Office located at:

1124 Regal Row, Austin, TX 78748

GMA-9 has prepared standardized Public Comment Forms to help you organize and substantiate your submission. This form is available at the address above.

The Public Comment period runs from October 1, 2015 through December 31, 2015.

The District will prepare a report of any relevant comments received at the Public Hearing and attach any written comments, testimony, and/or other documentation and information relevant to the Proposed DFCs and Non-Relevant Aquifer Classifications received through December 31, 2015. This report and attachments will be provided to the GMA-9 Committee for their review, consideration, and incorporation into the DFC decision-making process.

Questions or requests for additional information may be submitted to:
Brian Hunt @ 512-282-8441 or brianh@bseacd.org

Came to hand and posted on a Bulletin Board in the Courthouse, Caldwell County, Texas, on this, the _____ day of October 2015, at _____ p.m.

_____, Deputy Clerk
Caldwell County, TEXAS

GMA-9 Public Comment Form
90-Day Public Comment Period
Proposed Desired Future Conditions

Dear Interested Member of the Public:

On September 28, 2015, the Groundwater Management Area 9 Joint Planning Committee (GMA-9) adopted proposed Desired Future Conditions (DFCs) for the Trinity, Edwards-Trinity (Plateau), Ellenburger-San Saba and Hickory aquifers within the management area. In addition, GMA-9 is proposing to classify certain aquifers or portions of those aquifers as non-relevant for the purposes of joint planning. As summary of these proposals follows:

MAJOR OR MINOR AQUIFER	POSSIBLE AUTHORIZED DESIRED FUTURE CONDITION OR NON-RELEVANT AQUIFER CLASSIFICATION
Edwards Aquifer (Balcones Fault Zone)	Non-Relevant Aquifer Classification (in Bexar, Comal, Hays and Travis Counties)
Edwards-Trinity (Plateau)	Allow for No Net Increase in Average Drawdown in Bandera and Kendall Counties Through 2070
	Non-Relevant Aquifer Classification (in Blanco and Kerr Counties)
Ellenburger-San Saba	Allow for An Increase in Average Drawdown of No More Than 2 Feet in Kendall County Through 2070
	Non-Relevant Aquifer Classification (in Blanco and Kerr Counties)
Hickory	Allow for An Increase in Average Drawdown of No More Than 7 Feet in Kendall County Through 2070
	Non-Relevant Aquifer Classification (in Blanco, Hays, Kerr and Travis Counties)
Marble Falls	Non-Relevant Aquifer Classification (in Blanco County)
Trinity	Allow for An Increase in Average Drawdown of Approximately 30 Feet Through 2060 (Throughout GMA-9) Consistent With "Scenario 6" in TWDB GAM Task 10-005

On Wednesday, September 30, 2015, notice of these proposals was sent to each of the ten Groundwater Conservation Districts (GCDs) within GMA-9. Therefore, the official 90-day public comment period related to the proposed DFCs began on Thursday, October 1, 2015, and will close on Thursday, December 31, 2015. Public comments can be submitted directly to your local GCD at any time before the 90-day public comment closes. Also, each GCD will hold a public hearing regarding the proposed DFCs related to that GCD, as may be applicable. To find out the time, date and location for your local GCD's public hearing, please contact them directly as follows:

Groundwater Conservation District	Contact Information
Bandera County River Authority and Groundwater District	GMA-9 Contact c/o Bandera County River Authority and Groundwater District P.O. Box 177 Bandera, TX 78003 (830) 796-7260
Barton Springs/Edwards Aquifer Conservation District	GMA-9 Contact c/o Barton Springs Edwards Aquifer Conservation District 1124 Regal Row Austin, Texas 78748 (512) 282-8441
Blanco-Pedernales Groundwater Conservation District	GMA-9 Contact c/o Blanco-Pedernales Groundwater Conservation District P.O. Box 1516 Johnson City, TX 78636 (830) 868-9196

Groundwater Conservation District	Contact Information
Comal Trinity Groundwater Conservation District	GMA-9 Contact c/o Comal Trinity Groundwater Conservation District P.O. Box 450 Bulverde, TX 78163 e-mail address: info@comaltrinity.com
Cow Creek Groundwater Conservation District	GMA-9 Contact c/o Cow Creek Groundwater Conservation District 201 E. San Antonio Ave., Ste. 100 Boerne, TX 78006 (830) 816-2504
Edwards Aquifer Authority	GMA-9 Contact c/o Edwards Aquifer Authority 900 E. Quincy San Antonio, TX 78215 (210) 222-2204
Hays Trinity Groundwater Conservation District	GMA-9 Contact c/o Hays Trinity Groundwater Conservation District P.O. Box 1648 Dripping Springs, Texas 78620 (512) 858-9253
Headwaters Groundwater Conservation District	GMA-9 Contact c/o Headwaters Groundwater Conservation District 125 Lehmann Dr. Ste. 201 Kerrville, TX 78028 (830) 896-4110
Medina County Groundwater Conservation District	GMA-9 Contact c/o Medina County Groundwater Conservation District 1607 Avenue K Hondo, TX 78861 (830) 741-3162
Trinity Glen Rose Groundwater Conservation District	GMA-9 Contact c/o Trinity Glen Rose Groundwater Conservation District 6335 Camp Bullis Road, Suite 25 San Antonio, Texas 78257 (210) 698-1155

To help the GCDs give your comments their due consideration, GMA-9 developed this public comment form for your use in preparing and submitting comments during the 90-day public comment period. Every section of this public comment form reflects factors the GCDs must consider and document as we make these DFC decisions. To that end, we encourage you to complete as much of the public comment form as possible. You may also attach additional pages, if necessary. Please note, in accordance with Subsection 36.108 (d-2) of the Texas Water Code, the GCDs will only consider public comments that are determined to be relevant.

Completed public comment forms should be submitted to directly to your local GCD at the contact information listed above. Copies of your completed public comment forms, along with any other relevant public comments received during the 90-day public comment period, will be reviewed by your local GCD and will be reflected as part of the public comment summaries each GCD will prepare and submit to GMA-9.

Thank you for taking time to participate in this very important process. If you have any questions, please contact your local GCD representative at the contact information provided above.

Contact Information

Name: _____

Address: _____

Phone: _____

Email: _____

Representing: _____

Proposed Desired Future Condition(s)

Please be as detailed as possible in describing your proposed DFC. Include the quantifiable value and a description of the method for measuring or calculating the value. Please attach additional pages, if needed.

Aquifer	Proposed DFC and Measuring/Calculating Method

Consideration of Proposed Desired Future Condition(s)

The Texas Water Code requires that GMA-9 develop DFCs that “provide a balance between the highest practicable level of groundwater production and the conservation, preservation, protection, recharging, and prevention of waste of groundwater and control of subsidence in the management area.” In the space below, or on additional attached pages, please provide your considerations with regard to the nine items that must be considered, per the Texas Water Code, for the proposed DFC(s).

Consideration 1 – “Aquifer uses or conditions within the management area, including conditions that differ substantially from one geographic area to another:” _____

Consideration 2 – “The water supply needs and water management strategies included in the state water plan:” _____

Consideration 3 – “Hydrological conditions, including for each aquifer in the management area the total estimated recoverable storage as provided by the executive administrator, and the average annual recharge, inflows, and discharge:” _____

Consideration 4 – “Other environmental impacts, including impacts on spring flow and other interactions between groundwater and surface water:” _____

Consideration 5 – “The impact on subsidence:” _____

Consideration 6 – “Socioeconomic impacts reasonably expected to occur:” _____

Consideration 7 – “The impact on the interests and rights in private property, including ownership and the rights of management area landowners and their lessees and assigns in groundwater:” _____

Consideration 8 – “The feasibility of achieving the desired future condition:” _____

Consideration 9 – “Any other information relevant to the specific desired future conditions:” _____

Item 5

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 2015, to be included in the District's Annual Report.**

APPENDIX B

Assessment of Progress toward Management Plan Objectives

Record of Board Assessment of District Objectives (November 19, 2015)

Objective	Board Motion (Vote)	Mover	Second
Objective 1. Assure the long-term sustainability of the District to carry out its mission as a GCD with excellence.	Progress was satisfactory/unsatisfactory		
Objective 2. Promulgate a fair and efficient regulatory program.	Progress was satisfactory/unsatisfactory		
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.	Progress was satisfactory/unsatisfactory		
Objective 4. Demonstrate leadership in external communication, collaboration, coordination and joint planning with respect to groundwater and related resources.	Progress was satisfactory/unsatisfactory		
Objective 5. Extend current groundwater supplies by encouraging supply-side and demand-side improvements.	Progress was satisfactory/unsatisfactory		
Objective 6. Increase understanding of all District aquifers so that appropriate policy and regulatory decisions are made.	Progress was satisfactory/unsatisfactory		

Staff Assessment of Performance Standards and Metrics

Met	Partially Met	Not Met
Performance Standards	Metrics Met*	Staff Score
Objective 1		
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 2	
Objective 2		
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.	1 of 1	
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, and Well Construction Standards</i> .	3 of 3	
P-S 2-4: Efficiently process permittee meter readings, water use fee invoices and payments, conservation credits, permit renewals and related communications.	1 of 1	
Objective 3		
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.	1 of 1	
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.	1 of 1	
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.	2 of 2	
Objective 4		
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.	1 of 1	
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.	1 of 1	
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.	1 of 1	
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.	4 of 4	
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	3 of 3	

the US Fish & Wildlife Service (FWS) for the endangered species at Barton Springs.		
Objective 5		
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.	1 of 1	
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.	3 of 3	
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.	2 of 2	
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	
Objective 6		
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: Hire, equip, train, evaluate, and motivate appropriate staff to achieve the District's mission within budgetary constraints.			Documentation		
Metric	Frequency	Score	Met	Satisfactory	Review
1. Overall score of General Manager's annual performance review for fiscal year	Annual		● Met	● Reports of unresolved issues referenced to Board on file, if applicable.	● GM annual performance review on file
2. Number of instances of unresolved issues referred to the Board	Annual	0	● Met	● Annual FY Budgets on website and file	● Calculated annual turnover rate on file
3. Staff turnover rate net of reductions-in-force	Annual	10% Reduction	● Met	● Staff performance evaluations and salary adjustments on file	● Staff performance evaluations and salary adjustments on file

Example Board-Level Activities					
a. Hire, evaluate, and fairly compensate an effective General Manager.	b. Address appropriately unresolved personnel issues between the General Manager and staff members, or upon request by the General Manager.	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> .	d. Communicate perceived concerns about staff performance issues and other personnel matters to the General Manager.	e. Assign and supervise staff in roles that utilize their strengths and promote teamwork.	f. Evaluate staff performance regularly and constructively.

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
<p>1. Satisfactory progress toward or timely completion of revisions to the District's <i>Management Plan</i> that are approved by TWDB</p> <p>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</p> <p>3. Timely budgeting and amendments</p>	<p>Every 5-years or as needed</p> <p>Biannual (Due: Jan, 2014)</p> <p>Annual</p>	<p>Met</p> <p>Met</p> <p>Met</p>	<ul style="list-style-type: none"> • Director job descriptions on file • District strategic plan on file • Approved Management Plan on file • Current Rules and Bylaws on website and file • Roster of PAC • Agendas of PAC Meetings • Minutes approving annual budget • Resolution approving annual Fee Schedule • <i>Contingency & Risk Management Plan</i> on file
Example Board-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 & 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 & 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>		
Example Staff-Level Activities			

General Services					
Lead Team	Metric	Frequency	Score	Documentation	
Performance Standard 1-3:	Ensure the District has the near-term and long-term financial basis and contractual wherewithal to support its mission.				
General Services					
1. A clean financial audit report each year; and		Annual	Met	<ul style="list-style-type: none"> Copy of Final Audit Report that is presented to the Board. 	
2. Absence of vendor problems and contractual disputes		Annual, if applicable	Met None	<ul style="list-style-type: none"> Minutes of the meeting where the audit was presented (audio also being available). Copies of grant submissions; grant invoicing and quarterly reports if there is a current grant in progress. 	
3. Amount of activity concerning grant proposals and projects		Annual, if applicable	Met 1 grant application	<ul style="list-style-type: none"> Copy of PFIA certificate. Proof of audit submission (transmittal letters) to TPRB and TCEQ annually (they send receipt letters). TPRB within 210 days after end of FY, and TCEQ within 135 days after end of FY. 	
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 5-1-15	<ul style="list-style-type: none"> Budgets and financial reports published on website. 	
Example Board-Level Activities					
a.	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.				
b.	Participate in developing and then approve fiscal-year budgets, including use of reserve funds and approval of budget amendments.				
c.	Specify various financial-impact scenarios that should be included in contingency planning.				
d.	Authorize and receive results of annual financial audits, and institute accepted recommendations on financial controls or procedures.				
e.	Help identify and approve appropriate use of grant funding and resource commitments that will substantially enable progress toward District objectives.				
Example Staff-Level Activities					
a.	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.				
b.	Provide effective and efficient accounting and financial records management and necessary investment training, in accordance with federal and state law, the <i>Rules</i> , and Board direction.				
c.	Develop recommended elements and budgetary estimates for fiscal-year budgets and amendments.				
d.	Contract for and participate in conducting an independent financial audit annually, including provision of financial records and preparation of management discussion and analysis, and				

<p>f. Establish purchasing policy and review and approve all contracts in accordance with the policy and upon legal review and approval as to form.</p> <p>e.</p> <p>f.</p> <p>g.</p> <p>h.</p>	<p>submit year end reports to TCEQ and the Texas State Pension Review Board as required by law.</p> <p>Help identify appropriate grant funding and resource commitments and utilize grant resources to leverage existing resources substantially with minimum opportunity costs.</p> <p>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.</p> <p>Acquire and manage projects in accordance with good project accounting and management practice and in conformance with sponsoring agency requirements.</p> <p>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 <i>Rules</i>.</p>
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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.	<p>Metric</p> <table border="1"> <tr> <td>1. Absence of claims of OMA and PIA violations by external parties</td><td>Frequency Annual, if applicable</td><td>Score Met</td><td>Documentation</td></tr> <tr> <td>2. Lack of staff complaints about continuing problems with support services and infrastructure</td><td>Frequency Annual, if applicable</td><td>Score Met No formal complaints</td><td> <ul style="list-style-type: none"> • Copy of current TSLAC –approved records retention schedule. • Copy of list of approved-destroyed records. • Copy of annual TML Rerate Exposure Summary. </td></tr> </table>				1. Absence of claims of OMA and PIA violations by external parties	Frequency Annual, if applicable	Score Met	Documentation	2. Lack of staff complaints about continuing problems with support services and infrastructure	Frequency Annual, if applicable	Score Met No formal complaints	<ul style="list-style-type: none"> • Copy of current TSLAC –approved records retention schedule. • Copy of list of approved-destroyed records. • Copy of annual TML Rerate Exposure Summary.
1. Absence of claims of OMA and PIA violations by external parties	Frequency Annual, if applicable	Score Met	Documentation									
2. Lack of staff complaints about continuing problems with support services and infrastructure	Frequency Annual, if applicable	Score Met No formal complaints	<ul style="list-style-type: none"> • Copy of current TSLAC –approved records retention schedule. • Copy of list of approved-destroyed records. • Copy of annual TML Rerate Exposure Summary. 									
<p>Example Board-Level Activities</p> <ol style="list-style-type: none"> a. Receive training on and comply with Open Meetings Act (OMA) and Public Information Act (PIA) requirements. b. Provide budget allocation for the required administrative activities on continuing basis. <p>Example Staff-Level Activities</p> <ol style="list-style-type: none"> a. 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. b. 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. c. 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. d. As needed, update retention schedules in accordance with the Texas Administrative Code requirements, and file any amended retention schedule with the Texas State Library. e. 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. 												

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| | <ul style="list-style-type: none">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. |
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General Services			
Performance Standard 1-5:	Provide mechanisms to align District Rules, policies, and programs with the will of its collective and precinct-level constituents, within the constraints of statutes governing the District.		
Metric	Frequency	Score	Documentation
1. Maintaining a full Board; properly conducted director elections	Annual	Met Precinct 2 vacancy filled with Nov. election	<ul style="list-style-type: none"> Board communications documentation required under PS 4-1 Directors' Board meeting attendance reports Copy of election documents (only required to retain for 2 years)
2. Effective participation in Board activities and representation of constituents by each of the five (5) Board members	Annual	Met	
3. Properly conducted director elections	Biennial, if at all	Met Election held for Precinct 2	
Example Board-Level Activities			
a. 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.	b. 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.	c. Authorize and participate in decennial and other re-districting, ensuring Department of Justice (DOJ) pre-clearances and conformance with statutory requirements.	d. Utilize advisory groups to calibrate stakeholder inputs and possible responses, as needed.
Example Staff-Level Activities			
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.	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.	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.	

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)	N/A Due in 2016	<ul style="list-style-type: none"> • <i>Legislative Agenda Report</i> on file • <i>Legislative Debriefing Report</i> on file • Minutes of the Board meeting(s) where collective judgments were made on file 	
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	Met 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	Met 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		
Example Board-Level Activities				
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.	b. Oppose legislation or regulatory initiatives that don't ensure protection of groundwater quantity and quality, including non-compliance with DFCs.	c. Meet with local legislators and relevant committee members to foster an effective working relationship.	d. Seek legal remedies as warranted and feasible to minimize or avoid impacts on groundwater quantity and quality of aquifers in the District.	<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 7-16-15	<ul style="list-style-type: none"> • Rule concepts and draft rule documents on file • Hearing notices (published, county, mailed/e-mailed, etc.) for rulemaking on file • Audio of hearing maintained on file • Minutes of meetings approving rules on file • Adopted rules on website 	
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	N/A Due in 2016		

Example Staff-Level Activities				
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			
Performance Standard 2-2:	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, and other District guidelines</i> in accordance within specified procedural timeframes.		
Metric	Frequency	Score	Documentation
1. Requests for permits and authorizations are processed in accordance with all statutory requirements and required timeframes.	Annual	Met	<ul style="list-style-type: none"> • Permit and registration applications and associated documents maintained on file • Hearing notices (published, county, mailed/e-mailed, etc.) for permits on file, if applicable • Audio of hearing maintained on file • Minutes of meetings approving permits on file, if applicable • Hydrogeological reports maintained on file, if applicable • Permit application fact sheets maintained on file, if applicable • Minutes from Board meetings approving permit renewals
Example Board-Level Activities			Example Staff-Level Activities
<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>

<p>quantity and quality, public health and welfare, contribution to waste, unreasonable well interference.</p> <p>h. Provide recommendation formed on the basis of staff evaluation for Board or General Manager consideration of certain permits and authorizations.</p> <p>i. Schedule and provide required notification of public hearings for certain requested permits and authorizations.</p> <p>j. Perform well site inspections before and after the drilling of each new well.</p> <p>k. Prior to permit renewal, review all permits for compliance with District <i>Rules and Bylaws</i>.</p>	
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Regulatory Compliance										
Performance Standard 2-3:	Monitor existing District wells for compliance with the <i>Rules</i> , and Well Construction Standards.									
Metric	Frequency	Score	Documentation							
1. Specified minimum number of permittee inspections completed or exceeded each year;	Annual	Met 40	<ul style="list-style-type: none"> • Routine inspection documentation maintained on file • Database report of reported and collected meters readings • Enforcement plan on website • Minutes of Board-approved enforcement actions on file 							
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	Met	<ul style="list-style-type: none"> • Investigations reports on file • NOAVs and enforcement orders on file 							
3. During drought, all required meter readings are submitted or collected each month.	Annual, if drought declared	Met								
Example Board-Level Activities										
a. Provide direction to staff for enforcement of unresolved violations of the <i>Rules</i> as warranted.	<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 Rules.</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	Met	<ul style="list-style-type: none"> • Annual conservation credit spreadsheet and minutes from Board meeting where presented. • Database reports. • Copy of permittee mailing lists. • Copy of underumpage analysis spreadsheet and minutes from Board meeting where presented. • Copy of permittee billings spreadsheets and minutes from Board meeting where permits are conditionally renewed. 				
Example Board-Level Activities		Example Staff-Level Activities					
a. Issue conservation credits annually based on the annual conservation credit audit and staff recommendations.		<ol style="list-style-type: none"> 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 underumpage analysis as warranted and provide recommendations for Board consideration. e. Perform annual conservation credit audit. 					

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			
Performance Standard 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.		
Metric	Frequency	Score	Documentation
1. Achieve overall monthly pumpage reductions within 10% of the aggregate pumpage reduction (volumetric) goal of the prevailing drought stage.	Annual, during declared drought	Met Aggregate Reduction = 53%	<ul style="list-style-type: none"> • Database drought analysis reports • UDCP templates and/or guidance documents on website and file • Drought notifications sent to permittees on file • Overpumpage notices sent to permittees on file • Enforcement plan on website • Written correspondence, memos to Board, and other pertinent documentation related to pre-enforcement and enforcement activity on file • Annual Drought Compliance Report, with monthly “horseblankets” in appendix, on file
Example Staff-Level Activities			
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).	a. 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.	b. Review and approve submitted UCPs and UDCPs in accordance with the <i>Rules</i> .	c. Require that all outdated UCPs and UDCPs are updated prior to annual permit renewal in accordance with the <i>Rules</i> .
		d. Upon declaration of drought, send notification to all permittees of requirement to implement and comply with all applicable provisions of their prevailing UDCP.	

- 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"> • Copies of Drought Chart for periods of declared drought 					
Example Board-Level Activities								
a. Make drought declarations considering the current aquifer conditions relative to defined drought triggers, the adopted drought trigger methodology, and staff recommendations.	<p>a. Review relevant aquifer data on a monthly basis when not in drought.</p> <p>b. Periodically provide updates to the Board on current aquifer conditions and provide recommendations of drought declarations as warranted.</p> <p>c. 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.</p> <p>d. 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.</p> <p>e. Produce and update charts showing the status of the defined triggers on a biweekly basis during a District-declared drought.</p> <p>f. Produce and update charts showing the status of the defined triggers on a weekly basis during an Emergency Response Period.</p> <p>g. Collect and evaluate data for the assessment of the Middle and Lower Trinity Aquifers and how they might be impacted and regulated by drought.</p>							
Example Staff-Level Activities								

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 38 TPIA requests received and processed	<ul style="list-style-type: none"> Record of newsletter, press releases, and drought updates sent to Press, Permittees, and email subscribers. Availability of drought stage road signs and bill inserts for permittee use. 		
2. Absence of complaints received concerning water utility permittees' unwarranted actions.	Annual	Met No complaints	<ul style="list-style-type: none"> Public information requests and responses on file. Responses to residents' inquiries about drought restrictions or inappropriate water use. 		
Example Staff-Level Activities					
a. Authorize and participate in efforts to disseminate information related to aquifer conditions during drought and practices that could facilitate demand reduction.			<p>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.</p> <p>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.</p>		
Example Board-Level Activities					

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					
Performance Standard 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.	Metric	Frequency	Score	Documentation	
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.		Quarterly	Met	<ul style="list-style-type: none"> • Directors’ compensation forms • Directors’ correspondence logs (if available) • Minutes of activity reported in the Directors’ meeting • Reports as reported in each regular Board meeting • Minutes of Board action providing collective judgment 	
Example Board-Level Activities					Example Staff-Level Activities
a. Cultivate balanced relationships with and among stakeholders, precinct residents, and policy makers to promote the District’s mission. b. Represent the District with legislative community, other political subdivisions, and related groups.					a. Cultivate balanced relationships between District staff and stakeholders. b. Represent the District with legislative community, other political subdivisions, and related groups. c. Represent the District in alliances and other organizations with common interests.

Performance Standard 4-2:		Regulatory Compliance			
		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 Met GMA 9 - 80% attendance GMA 10 – 75% attendance	• • • •	<ul style="list-style-type: none"> Region K and L attendance reports GMA 9 and 10 attendance reports GMA GCD management plan reviews on file Minutes of Board meetings where GMA (or RWPG, if applicable) representatives were appointed. 	
2. Timely provision of responsive comments on management plans of other GCDs in GMA 9 and 10;		Annual, if applicable	N/A	<ul style="list-style-type: none"> Minutes of Board meetings where GMA/RWPG issues where considered Notices of DFC hearings conducted/attended 	
3. Participation in public hearings on DFCs and management plans		Annual, if applicable	N/A		
4. Timely discussion and voting on GMA items		Annual, if applicable	N/A		
Example Board-Level Activities			Example Staff-Level Activities		
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.	b. Designate a District representative to participate in and serve as a voting member of GMA 9 and GMA 10.	c. Review and comment on management plans of other GMA member districts for consistency with DFCs of shared or hydrologically connected aquifers.	a. Provide information and input to current and proposed rules, standards, and planning efforts related to regional development and water/wastewater management.	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>	c. Provide recommendations to the Board on management plans of other GMA member districts for consistency with DFCs of shared or hydrologically connected aquifers.
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.	e. Support by attendance and in-kind consultation services in meetings of GMAs 9 and 10, as appropriate.		d.	e.	

- 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			
1. Qualitative judgment by the Board as to how well the District's directors are promoting groundwater protection with other entities.	Annual	Met	<ul style="list-style-type: none"> • Quarterly Director Activity Reports on file • WPAP reviews and comments on file 			
Example Board-Level Activities						
<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>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"> • Documentation in monthly team activity reports. • Database tracking for Friends of the Aquifers email subscriptions. • Summary list of outreach activities. 					
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								
a. Communicate with constituents of their respective single-member precincts to ensure fair representation.	a. 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.							
b. Facilitate dissemination of education and public outreach information within respective single-member precincts.	b. 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.							
c. Help promote and/or participate in District-sponsored events.	c. 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.							
d. 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.	d. 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	<ul style="list-style-type: none"> • HCP Annual Report on file • Incidental Take Permit on file • MAC's Annual HCP Progress Report, on file • Minutes of MAC meetings • Rules & Bylaws that reduce permitted withdrawals during Emergency Response Period droughts to requisite amounts 	ITP application submitted Nov. 2014
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	Met		
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		
Example Board-Level Activities				
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.	a. Prepare a draft HCP, respond to public comments, and prepare and submit a final HCP that are acceptable to FWS.			
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.	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.			
	c. Employ an adaptive management strategy to respond effectively to unforeseen and/or changed circumstances.			

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				
Performance Standard 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.			
Metric	Frequency	Score	Documentation	
1. A report completed in odd-numbered years summarizing the above activities, grant activities, and active alternative supply projects in the District, and making recommendations.	Bi-Annual odd # years (Due: 2015)	Met Grant applications to substitute for report	• Alternative Water Supply Status Report on file	
Example Board-Level Activities				Example Staff-Level Activities
a. Provide input to District staff about policy considerations of alternative water supplies.	a. Identify available alternative water resources and supplies (e.g., saline Edwards desalination, ASR, reuse, rainwater, etc.).			
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.	b. Evaluate viability of alternative water sources by considering: - available/proposed infrastructure - financial factors - logistical/engineering factors - potential secondary impacts (development density/intensity or recharge water quality).			
	c. Develop relationships/agreements with area surface water providers and encourage service to District permittees during extreme drought where appropriate.			
	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.</i>			

This comprises a possible future correcting amendment of the Management Plan.

- 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"> Alternative Water Supply Status Report on file Minutes of Board meeting in which oral presentation on this topic was made. Photographs of work being conducted in these recharge features
2. Inclusion of these activities in the biennial Alternative Water Supplies Report in odd-numbered years;	Bi-Annual odd # years (Due: 2015)	Met Grant applications to substitute for report	
3. Number of excavations conducted in caves, sinkholes, or recharge features annually (with at least one being satisfactory).	Annual	Met (1 – Antioch Cave)	
Example Staff-Level Activities			
<p>a. Participate in discussions about activities related to recharge enhancement.</p> <p>b. Establish policies concerning recharge enhancement projects.</p> <p>c. Fund approved projects, including seeking external funding partners.</p>			
<p>a. 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 <i>Plan</i>.</p> <p>b. Seek both internal and external funding to study and construct BMPs that are capable of diverting surface waters into the District aquifers.</p> <p>c. 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.</p> <p>d. 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.</p>			
Example Board-Level Activities			
<p>a. Participate in discussions about activities related to recharge enhancement.</p> <p>b. Establish policies concerning recharge enhancement projects.</p> <p>c. Fund approved projects, including seeking external funding partners.</p>			

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"> • Alternative Water Supply Status Report on file • Minutes of Board meeting in which oral presentation on this topic was made • Abstracts, reports, or publications summarizing results of these studies 		
2. Inclusion of these activities in the biennial Alternative Water Supplies Report in odd-numbered years.	Bi-Annual odd # years (Due: 2015)	Met Grant applications to substitute for report			
Example Board-Level Activities					
a. Provide input of the extent of investigations of the saline zone and the level of interest of the Board on desalination and ASR.	a. Install monitor well in saline zone for sampling and aquifer parameter testing.				
b. Assist in developing and approve a business plan if and as necessary for co-funded investigations.	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.				
c. Authorize funding for a portion or all of investigations on the Edwards saline zone.	c. Conduct aquifer tests of Trinity aquifers to determine if they could serve as reservoirs for an ASR system.				
Example Staff-Level Activities					

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"> Social media posts, newsletter articles, and email bulletins highlighting upcoming events. Monthly team activity status report documentation of permittee communications about conservation credits and education events (via mail or email). High volume private well owner list updates and tracking of materials sent. 	Example Staff-Level Activities <ol style="list-style-type: none"> 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. 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. Provide District groundwater permittees and end-users with water conservation and alternate water source presentations upon request where possible. 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. Engage and solicit participation of permittees and other stakeholders on the District's conservation credit policy.
Example Board-Level Activities <ol style="list-style-type: none"> 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. 				

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

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.		Documentation			
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"> • Compendium of publications and presentations • by District staff and directors on file • Abstracts, reports, or publications summarizing results of these studies 		
2. Qualitative judgment by Board as to adequacy of the type of scientific information provided to them	Annual	Met	<p>Example Staff-Level Activities</p> <ul style="list-style-type: none"> 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. 		
Example Board-Level Activities		<ul style="list-style-type: none"> a. Provide guidance on policy issues that involves scientific evaluation. b. Authorize funding for a portion or all of investigations related to aquifer science. 			

- 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

Teams:	General Management	General Services	Education & Outreach	Aquifer Science	Regulatory 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.

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 2015 performance review and objectives assessment at its regularly scheduled meeting on August 27, 2015. The Board took action determining that the General Manager's performance in FY 2015 was satisfactory and that the FY 2015 objectives were substantially achieved. The Board went further to award a cost of living salary increase and the incentive compensation for achieving the objectives.
- There were no instances of unresolved personnel issues and none were referred to the Board.
- The District had one staff resignation in FY 2015 therefore the net turnover rate was 10%. The turnover was mitigated through an agreement with the departing hydrogeologic technician, Alan Andrews, to delay his departure date until May 4, 2016 to allow time to hire and cross train his replacement, Justin Camp, who started on April 6, 2015. The District did not use any interns this year.
- Annual performance and salary reviews were completed for all regular staff. On the basis of the reviews, staff was collectively awarded a 3.1% raise which was within the FY 2015 budgeted amount for salaries and wages. Incentive compensation for completed projects was also awarded according to the incentive compensation plan.
- Collectively, staff attended approximately five courses for purposes of directed training and professional development in FY 2015. This support is in addition to more than 26 technical/policy conferences, seminars, workshops, webinars, and symposia in which one or more District staff members and directors participated. There were two out-of-country (Spain and the United Kingdom) conferences attended this fiscal year by the Aquifer Science team, and one out-of-state (Minnesota). In all, approximately \$14,210 was spent on professional development, training, tuition, and career advancement for staff members and directors in FY 2015.
- The District staff managed an extraordinary workload involving tasks largely related to the unanticipated events leading up to annexation of the Shared Territory in Hays County and the implementation of HB 3405 passed during the 84th legislative session. Implementation of HB 3405 created additional workload through processing of the temporary permits, outreach efforts in the new area, and technical work associated with establishing a monitoring well

network in certain areas of projected increases in Trinity Aquifer pumping. The additional workload strained resources across all teams and was managed through extra staff labor and some contracted consulting support.

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 MP and the methodology developed for measuring progress towards satisfying the MP objectives. With annexation of the new areas under HB 3405, staff anticipates revisions and updates 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.
- At the end of FY 2015, the Director Job Descriptions had not yet been initiated. These projects were again sidelined to prepare for and implement the statutory mandates of HB 3405 and make progress on higher priority and resource intensive projects such as the HCP, the review of the SH 45 roadway design review, and TWDB grant applications and projects.
- As reported in the FY 2014 annual report, the MP requirement to develop a Contingency and Risk Management (CRMP) is satisfied through the commitment to measures of the Draft HCP which specify pre-determined responses to the certain Changed and Unforeseen Circumstances. It is staff's opinion that these HCP measures serve the same function as a CRMP; therefore, a unique plan is not needed.

This metric was determined by the Board to be met in consideration of the FY 2014 objectives assessment on the basis of the HCP contingency comments for Changed and Unforeseen Circumstances. Therefore, this metric was judged by staff to be "met."

- The District timely completed and the Board approved its annual budget and fee schedule for FY 2015 on July 24, 2014; and a subsequent budget revision on May 8, 2015. The staff developed and the Board approved the proposed FY 2016 budget and fee schedule in late FY 2015, on July 30, 2015.
- The Board continued the convention of strategic planning through the setting of annual goals by adopting its FY 2015 goals on August 21, 2014. These annual goals provide policy-level direction to the General Manager and staff, and serve to guide the District's expenditure of staff time and resources.
- The Board convened and actively engaged in a standing Management Advisory Committee (MAC) to assist in the development of the District HCP and support its implementation. The MAC also served as the *ad hoc* advisory group. This work occurred mostly in FY 2014 but carried over into FY 2015 prior to submittal of the application in November 2015.

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 2015 annual budget that the Board initially approved on July 24, 2014, and then revised on May 28, 2015.
- The District successfully operated within its budgeted operating expenses, although the District Board did approve the use of reserve funds for the installation of a Westbay well, which ultimately did not happen during this annual cycle, election and legislative endeavors, and the HCP completion (all within the initial budget). A budget revision was necessary in May but no additional funds were requested, rather moved around within existing line items.
- 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 & Bylaws.
- The District submitted an application to the TWDB Board 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 District's investment officer, Dana Christine Wilson, completed the official Public Funds Investment Act (PFIA) training on May 1, 2015 (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 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; 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.
- 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 2015 was a remodel of space to create a lab area to improve function and efficiency.

- District Board agendas and pertinent meeting materials and backup documentation were developed, posted, and distributed in a timely manner. Select documents were posted on the District website as pertinent and necessary. 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.

- There was not a full Board of 5 members from September until November 4, 2014 (Election Day) in FY 2015 as Gary Franklin resigned from his Precinct 2 position in April 2014. After considering the interested candidates to fill the vacancy by appointment, the Board opted not to make an appointment in favor of letting the process of the next election determine who would replace the vacated position. That general election took place on November 4, 2014 where Blayne Stansberry was elected in a contested election Director of Precinct 2 to fill the vacancy.
- 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 2015. 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 for both Precincts 2 and 5 in FY 2015. The elections 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.

- After a solicitation of statements of interest and then proposals from firms to provide legislative consulting services toward the end of FY 2014, the General Manager coordinated with a subcommittee of the Board to narrow down a short list, interview, and then recommend a first-choice firm to provided legislative support in the 84th legislative session. In the beginning of FY 2015, the Board chose the firm of Sledge Law and Public Strategies and the General Manager negotiated and executed a contract to provide such services.
- The General Manager served as the primary point of contact and coordinated with Sledge Law and the appointed Board subcommittees to advocate for the District's adopted legislative

agenda throughout the session. Efforts included bill tracking and review and providing testimony at committee hearings on certain bills. The lobbying efforts were successful in affecting the following legislative agenda “driver” items and associated bills:

Saline Zone Management (HB 30): HB 30 was originally drafted to prescribe GCD rules for designated brackish groundwater production zones. The passed version of the bill was revised to only approve a study to identify the zones. The BSEACD was exempted from the bill in recognition of the District’s ongoing efforts to manage the Saline Edwards Aquifer.

Aquifer Storage and Recovery (HB 655): HB 655 provided authority to TCEQ to regulate the injection and recovery of injected water in ASR systems. HB 655 includes a special provision recognizing the authority of the BSEACD over recovery of water from ASR systems which was authorized by HB 3405.

Seller’s Disclosure Notices (HB 1221): HB 1221 was passed requiring sellers to report whether a property was in a GCD or not. This was the direct product of BSEACD efforts to advocate for this issue.

- Other non-driver agenda items and associated bills affected by the District’s lobbying efforts include: HB 930 related to TDLR regulation of water well drillers and pump installers; HB 1232 related to TWDB study and mapping of aquifers; and SB 854 related to GCD permitting and automatic renewals.
- Other non-agenda bills affected by the District’s lobbying efforts include: HB 200 relating to GCD regulation of groundwater and the DFC appeal process; HB 2767 (TWCA Chapter 36 “clean up” bill); HB 3163 related to GCD Board member immunity from law suits; and HB 4112 (the “fair share” bill) relating to groundwater ownership and property rights.
- HB 3405: HB 3405 to expand the jurisdiction of the BSEACD was the dominant legislative initiative this session but was not anticipated or identified in the legislative agenda. The General Manager and the HB 3405 special subcommittee of the Board coordinated very closely with the District lobbyist to track progress and provide input into the provisions of HB 3405 throughout the legislative process. This effort included frequent review of bill language, providing committee testimony, and many meetings with area stakeholders and officials, bill sponsors, other legislators, legislative staffers, and other lobbyists. The District’s efforts were ultimately successful with HB 3405 becoming law effective on June 19, 2015 in a form favorable to the District.
- A Legislative Debriefing Report was provided by Brian Sledge of Sledge Law, the District’s legislative consultant, at the June 25, 2015 Board meeting. The Board adopted the report and accepted the report as satisfying this performance standard.

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 2015, 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 July 16, 2015. The primary objectives of the changes were to implement new statutory requirements and to promulgate provisions that address the legislative provisions set for in HB 3405 that was put into effect on June 19, 2015. The rule changes were generally focused on registration and permitting of wells in the new area under HB 3405. District staff intends to initiate another round of rulemaking in FY 2016.
- The HCP is currently under FWS 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.
- District staff revised and updated Drought Target Charts, User Conservation Plans, and User Drought Contingency Plans to incorporate the upcoming effective ERP curtailment requirements. These documents reflect rule requirement 3-7.6(B)(4) that states during an ERP declaration after October 11, 2015, each permittee with an Historical Freshwater Edwards Production Permit is required to curtail monthly permitted pumpage by 50%. The implementation of this rule is critical in ensuring the preservation of the Freshwater Edwards DFC during a drought of record scenario.

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 2015, the District implemented an online registration system to receive well registration applications from well owners. The online registration system was implemented in June 2014 in response to recent annexation efforts associated with the passage of HB 3405. Approximately 65 registration surveys were received and processed. The District also hosted its annual Water Well Checkup where it is estimated that < 5 of the 50 participants were new well registrations.
- As reported in the “District Programs-Team Highlights” section of the Annual Report, the following applications were received and processed in FY 2015. 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.

TOTAL Permit Applications	40
Minor Amendment	8
Exempt Well	3
Limited Production Permit	12
Individual Production Permit	3
New Individual Well Drilling Authorizations/Modification	2
Test Well	1
Well Plugging	11

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

- During FY 2015, the Regulatory Compliance Team conducted a number of inspections on existing permitted well systems in response to applications received and processed. The following is a list of inspections.

TOTAL Inspections/ Investigations/ Onsite Visits	40
Exempt Well Inspections	2
Limited Production Permit Inspections	7
Individual Production Permit Inspections	1
Test Well Inspections	1
Plugging Inspections	11
Special Investigation Inspections	7
Onsite Permittee Visits	11

- There were no formal enforcement actions initiated in FY 2015. District staff initiated approximately seven 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, the monthly meter reading requirement for all nonexempt domestic users has been relaxed to an annual meter reading requirement.

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 1st to August 31st) 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 2015 during its regular meeting on July 24, 2014.
- 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 2015 was completed and then reported to the Board at the regular Board meeting on September 24, 2015 where the directors approved issuance of \$38,190 (which was \$9,122 more than the previous year of FY 2014 where there was \$29,068 in earned credits).
- A staff-initiated under-pumpage analysis was not performed in FY 2015. Such analysis was judged by the General Manager not to be warranted this fiscal year.
- In FY 2015, all permittee water use fee invoices and payments and meter readings were processed in accordance with specified procedures and timeframes.

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 UDCPs on file and are currently compliant with District rules; 15 permittees have outdated UDCPs. Permittees have the option to revise drought charts no more than once per year but must update their plans at least every five years. Staff also provided assistance during District-declared drought by assisting with drought plan implementation, drought rule interpretation, and by providing education materials to facilitate permittees to end-user outreach efforts.
- District staff assisted permittees in complying with the requirements of the Stage II Alarm Drought that was declared on August 14, 2014 and continued into the beginning of FY 2015. The District declared No-Drought status on January 29, 2015. Staff assisted permittees in complying with Stage II Alarm Drought requirements. The District remained in No-Drought for the remainder of FY 2015.
- In accordance with the District enforcement plan, the District focused enforcement efforts on egregious and persistent occurrences of non-compliance which included pre-enforcement compliance meetings and monitoring of commitments by permittees to implement measures to improve compliance. In FY 2015, the Regulatory Compliance Team did not have to conduct any pre-enforcement meetings for non-compliance.
- The District has implemented all drought-related rules and curtailments in accordance with the District's enforcement plan and drought management protocols. During FY 2015, the duration of the declared drought was from September 1, 2014 (drought declared on August 14, 2014) to January 29, 2015. Drought enforcement measures were assessed for Stage II Alarm Drought for the entire duration of the drought. Stage II Alarm Drought all permittees collectively reduced pumpage by an aggregate 53% (Table 1).

Table 1

Stage II Alarm Drought			
	Total Actual Monthly Pumpage	Permitted Monthly Baseline	% Curtailment
September 2014	140,655,459	279,986,305	50%
October 2014	130,697,823	233,871,125	56%
November 2014	99,685,643	190,831,059	52%
December 2014	92,130,785	165,914,479	56%
TOTAL	463,169,710	870,602,968	53%

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 USGS is responsible for the equipment and maintaining data on their website. District staff frequently verify water-level values that are 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.

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.

- Mass communication efforts: Significant effort went to posting and maintaining monitoring well efforts for what is now the Shared Territory. 7 Spotlight pages and permanent Trinity Well website were posted. 1 Aquifer Bulletin Newsletter, 3 Fact Sheets were crafted or updated (Annexation, Policy Overview, Well Owner Guide). There were 6 press releases circulated, including election results, annexation updates, drought stage notice, rule change announcements, and permitting deadlines.
- Friends of the Aquifers email notices: The Friends of the Aquifers email list includes Press (~122), Permittees (~147), HOAs (~128), Teachers (~239), Partners (~47) and the general public. Email notices can target specific groups or be released to the entire list (~2,200 emails). A total of 30 email notices were circulated.

- Drought stage road signs and bill inserts: not applicable since we did not enter into a drought stage in FY 2015.
- Public Information Requests: 38 public information requests were received and tracked. All 38 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 waste. However, there was significant interest in well drilling activity by Electro Purification in what is now the Shared Territory. Concerned well owners were kept up-to-date on monitoring efforts through Spotlights, email blasts to the Friends of the Aquifers list, and the Trinity Well website. Many presentations were made to community groups, and in collaboration with area GCDs, staff measured approximately 108 wells.

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 2015, 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 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 4 of 5 GMA 9 meetings. He actively participated by participating in meetings and voting on posted agenda items affecting the GMA. The District also contributed funds (\$5,055) to support the work of a consultant to assist GMA 9 in preparing the Explanatory Report for the 2016 planning cycle. Mr. Hunt reported news and activities to the BSEACD Board of Directors. Noteworthy activity of GMA 9 in FY 2015 included:

- GMA 9 selected the contractor team of Blanton-Guyton to write the ER, and successfully agreed to a scope of work and project cost divided evenly among the GCDs. The District contributed funds for the Explanatory Report of GMA 9.
- Extensive discussion of the relevance and DFCs of aquifers.
- Extensive discussion of the Explanatory Report.
- Annual review of management plans for each GCD (June 6, 2015): Mr. Hunt provided an overview of the District's plan and provided input on other plans.

The 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 Explanatory Report. Proposed DFCs and non-relevant aquifers were voted on and approved at this meeting.

Groundwater Management Area 10

The designated District representative for GMA 10 is John Dupnik. In FY 2015, Mr. Dupnik attended 3 of 4 GMA 10 meetings (75%). The District also contributed funds (\$15,000) to support the work of a consultant to assist GMA 10 in preparing the Explanatory Report for the 2016 planning cycle. Noteworthy activity of GMA 10 in FY 2015 included:

- Provided regular updates of Regional Planning Group activities.
- Considered the relevance of certain aquifers for planning purposes.
- Worked towards developing the framework to establish a non-voting advisory group to extend participating in planning activity to other affected parties.
- Participated in a subcommittee to consider additional analysis of projected increases in pumping in Central Hays County.
- Considered alternate DFCs for the Saline Edwards Aquifer in the northern subdivision of GMA 10.
- Reviewed and edited the draft chapter of the Explanatory Report on the freshwater Edwards Aquifer in the northern subdivision of GMA 10.

The DFC proposal process is conducted on a five-year planning cycle with the next round of DFCs due in May of 2016. Since DFCs for the next planning cycle were not yet due in FY 2015, no public hearings for GMA 10 were held or attended by District representatives.

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 members and staff continue 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 General Manager; and Robin Gary, Senior Staff, serve as the Region K voting member and the designated alternate, respectively, for Region K. The District representatives to Region K attended 4 of 5 meetings (80%) in FY 2015. Noteworthy activity of Region K in FY 2015 included:

- Participated in a policy subcommittee involving development of new policy concepts and the re-write of existing policies in response to new information to be included in the 2016 Regional Water Plan.
- Participated in the strategy prioritization committee to develop methodology for scoring and ranking of the supply strategies in the 2011 Regional Water Plan.
- Participated in the Water Supply Strategy committee involving review of proposed strategies to be included in the draft 2016 Regional Water Plan.

- Had meetings and provided support material to the Region K consultant to ensure that District-supported projects and strategies including Trinity/Edwards and Saline Edwards Aquifer Storage and Recovery (ASR) and Saline Edwards Aquifer desalination were included water supply strategies the Initially Prepared Plan (IPP).
- The IPP was completed and hearings were held in various locations in the basin.

Region L

Brian Smith, District Principal Hydrogeologist, tracked the activity of Region L and attended 2 of 3 meetings in FY 2015. Noteworthy activity of Region L in FY 2015 included:

- Voted to fill two voting-member vacancies for the Regional L planning committee. There is a total of 29 voting members.
- Reviewed various water management strategies to be included in the 2016 Regional Water Plan, and reviewed contractor's evaluations of these water management strategies.
- Updates were presented on legislative issues of interest that might affect regional water planning entities.
- The draft Initially Prepared Region Water Plan was completed and several workshops were held for public comments.

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 2015, staff reviewed 35 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 are 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 36 outreach events including field trips, conferences, workshops, meetings, and festivals. These presentations, events, and field trips reached more than 3,121 adults and 35 students.
- The District hosted or co-hosted Groundwater to the Gulf, the Kent Butler Symposium, 5th Annual Central Texas Water Conservation Symposium "Dive Deep Into Water Conservation", Strategic Walk and Talk Homeowner Education Campaign, Water Well Checkup, Annexation Town Hall and three Neighborhood Information Sessions.
- The District website received 21,808 visits from 13,635 unique visitors who clicked through 47,826 pages throughout the fiscal year. Facebook 'likes' increased from 220 to 403. There are 323 followers on Twitter.

- There were 332 new contacts added to the Friends of the Aquifers 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.

- In early FY 2015, a substantially complete draft HCP was approved by the Board for final editing and preparation of the ITP application at the regular Board meeting on September 11, 2014. The District was successful in completing and submitting the Draft HCP and ITP permit application in November of 2015. This was the culmination of a final push and a substantial increase in the level of effort in FY 2014 and the beginning of FY 2015 to complete the draft after significant review and input from the Management Advisory Committee and other stakeholders.
- After the draft was submitted, the District has been working closely with USFWS staff to discuss comments and suggest edits responsive to those comments.
- The General Manager has coordinated the work of the District's HCP consultant and staff and will continue to work with USFWS to complete a Board-approved draft for review by the regional office and subsequent notice and public comments in FY 2016.

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 continued its ongoing initiatives associated with development of alternative water supplies for the District and its region throughout FY 2015. In FY 2015, the District applied for and was awarded funds by TWDB for a Regional Facility Planning (RFP) grant to do an engineering evaluation of desalination and ASR and to install a multiport well to help characterize the saline Edwards Aquifer.
- In lieu of an annual report as required by the MP, District staff concentrated efforts on preparing the RFP grant application, negotiation the RFP grant contract, and soliciting partners for the grant opportunity for ASR feasibility studies under Rider 25 approved with the appropriations bill (HB 1) in by the Legislature in the 84th session.

On the basis of the substantial level of effort related to preparing and implementing the grant projects that facilitate the feasibility assessment of regional alternative supplies, staff considers metric to be “met” unless determined otherwise by the Board.

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 2015 so that the amount of clean creek water entering the cave was maximized. A regular reporting item has been added to the General Manager report special topics list to provide a monthly oral update on these and other Aquifer Science activities and satisfy this reporting requirement.
- In FY 2015, District staff worked with the City of Austin on developing procedures for cleaning out caves on City property that are capable of recharging the Edwards Aquifer with water flowing in Onion Creek. Owing to significant flooding in May 2015, some of the recharge features on City Property on Onion Creek were partially filled with sediment. District staff met with City staff in the field to discuss how to prevent this from happening again.

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.

- Plans for installation of a multiport monitor well in the saline Edwards were advanced in FY 2015. A budget was set by the Board in FY 2015 so that there would be sufficient funds in FY 2016 for installation of the well. Discussions were held with prospective partners, Texas Disposal Systems (TDS) and Edwards Aquifer Authority (EAA), about logistics and funding of the project. Because an access agreement with a landowner in the study area had not yet been finalized, drilling and installation of the monitor well was delayed until FY 2016.
- This standard includes metrics requiring an annual oral presentation that is to be provided in even-numbered years. A regular reporting item has been added to the General Manager report special topics list to provide a monthly oral update on these and other Aquifer Science activities and satisfy this reporting requirement. The Management Plan requires that a biennial Alternative Water Supplies Report be prepared in odd-numbered years. However, considerable work was conducted in FY 2015 to prepare grant applications for projects to study alternative water supplies. These grant applications are considered to cover material that would have been included in a biennial report, so this metric is considered to have been met.

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 newsletter articles and activities such as the Water Conservation Toss, Build A Rain Barrel, and the Rainwater Harvesting Challenge, staff stresses 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.
- The District continues to research the feasibility of desalination and aquifer storage and recovery (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 30 samples from sample sites including wells and springs from the Edwards and Trinity aquifers for major ions 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 50 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 2015 under this performance standard include the following:
- Performed studies with the EAA, TPWD, HTGCD, and the University of Texas to characterize the groundwater flow in the Blanco Watershed. Results of preliminary work were published in a book published by Springer for an international karst conference in Malaga, Spain.
- 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 (ions and isotopes) from about 15 sample locations in FY 2015 (TWDB partnership).
- 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 2015, staff sampled 10 springs and well sites for hydrocarbon contaminants as a background prior to operation 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 2016.
- Established about 7 Trinity monitor wells and collected data regarding wells and geology in the newly annexed area of Hays County.

- Worked on developing revised aquifer test guidelines and evaluating well testing conducted in the newly annexed area of Hays County.
- Participated with Hays-Trinity GCD, Edwards Aquifer Authority, and Blanco-Pedernales GCD staff to continue to collect hydrogeologic data regarding the Trinity Aquifer (a continuation of the Hydrogeologic Atlas project).
- Performed studies with the Edwards Aquifer Authority to characterize the groundwater flow in the Blanco Watershed.
- Performed studies with the Hays Trinity GCD and the City of Austin to characterize the surface and groundwater interaction in the Onion Creek watershed.
- Continued development and data collection of a geologic database of the Edwards and Trinity Aquifers in central Texas.
- A regular reporting item has been added to the General Manager report special topics list to provide a monthly oral update on these and other Aquifer Science activities and satisfy this reporting requirement.

FY 2015 started with a Stage II Alarm Drought in place following a relatively dry 2014 summer. Water levels began to rise in September of 2014 after above-average rainfall. Drought conditions were ended due to consistent fall rains. This steady recharge increased aquifer water level as well as Barton Springs flow. The Board removed Stage II Alarm Drought, and declared No-Drought conditions on January 29, 2015. The water level in Lovelady monitor well has been on an upward trend continuing from mid-November 2014 to late August 2015. Extremely heavy rainfall on May 25 gave the Edwards a boost, as 5.20 inches fell on Camp Mabry, providing Austin its wettest May on record. The May rain tally was 17.59 inches, topping the previous 1895 record of 14.10. Lovelady finally peaked at its maximum elevation of 522.7 ft.-msl, 5 ft. higher than the previous record peak level seen in July of 2010. The water level in Lovelady eventually turned downward in elevation on August 20, 2015, and continued a steady decline due to a lack of rain in July and August.

- Staff from the Aquifer Science Team attended and presented numerous technical papers or abstracts at the International Symposium on Karst (Malaga, Spain, October 14-17, 2014), KG@B International Conference on Groundwater in Karst (Birmingham, UK, June 2015), and other meetings of aquifer scientists and managers.

FY 2015 Published Reports:

Smith, Brian A., Hunt, Brian B., Andrews, Alan, Watson, Jeff A., Gary, Marcus O., Wierman, Douglas A., and Broun, Alex S., 2014, Hydrologic Influences of the Blanco River on the Trinity and Edwards Aquifers, Central Texas, USA: in Hydrogeological and Environmental Investigation in Karst Systems, Springer, Environmental Earth Sciences vol.1, eds. Andreo, B., Carrasco, F., Duran, J.J., Jimenez, P., and Lamoreaux, J.W., pp. 153-161.

Smith, Brian A., Hunt, Brian B., Andrews, Alan, Watson, Jeff A., Gary, Marcus O., Wierman, Douglas A., and Broun, Alex S., 2015, Surface Water-Groundwater Interactions Along the Blanco River of Central Texas, USA: in Hydrogeological and Environmental Investigation in Karst Systems, Springer, Environmental Earth Sciences vol.1, eds.. DOI 10.1007/s12665-015-4630-1.

Hunt, Brian B., Smith, Brian A., Andrews, Alan, Wierman, Douglas A., and Broun, Alex S., Gary, Marcus O., 2015, Influence of Faulting and Relay Ramp Structures on Groundwater Flow in the Karstic Edwards and Trinity Aquifers, Central Texas: KG@B 2015, International Conference on Groundwater in Karst, Birmingham, UK, June 20-2, 2015.

Item 5

Board Discussions and Possible Actions

- b. Discussion and possible action related to amending the FY16 Budget.**

Barton Springs/Edwards Aquifer Conservation District
Fiscal Year 2016 DRAFT Budget REVISION 1

	Budgeted Permitted Pumpage (Gallons)	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
I. INCOME				
A. Water Use and Production Fees:				
Actual Authorized Pumpage Revenue (@ 17¢ per 1,000 gallons)	2,470,036,038	\$419,906		\$419,906
Actual Authorized Pumpage Revenue (@ 46¢ per 1,000 gallons)	323,427,748	\$148,777		\$148,777
Total Actual Authorized Pumpage	2,793,463,786	\$568,683		\$568,683
Growth @ 1% based on Total Actual Authorized Pumpage (@ 17¢ per 1,000 gallons)	24,700,360	4,199		4,199
Growth @ 1% based on Total Actual Authorized Pumpage (@ 46¢ per 1,000 gallons)	3,234,277	1,488		1,488
Known Potential / Pending Permit Increases (@ 8¢ per 1,000 gallons)	700,000	216	(160)	56
Known Potential / Pending Permit Increases (@ 17¢ per 1,000 gallons)	82,260,000	14,025	(41)	13,984
Known Potential / Pending Permit Increases (@ 46¢ per 1,000 gallons)	270,000,000	\$124,200		\$124,200
Temporary Permits (@ 17¢ per 1,000 gallons)	84,650,000	\$204,264	(189,874)	\$14,391
Total Projected Permitting Revenue	3,259,008,423	\$917,075	(190,074)	\$727,000
COA Contribution (Water Use Fee Assessment)		\$1,000,000	(168,953)	\$831,047
				\$1,558,048
Water Transport Fees (\$0.31/1,000 gallons)	400,000,000	124,000		124,000
Total Water Use Fees and Production Fees		\$2,041,075	(359,027)	\$1,682,048
B. Other Fees:				
Annual Permit Fees		\$4,350	900	\$5,250
Administrative Fees			\$10,000	\$10,000
Total Other Fees		\$14,350		\$15,250
C. Other Income:				

	Budgeted Permitted Pumpage (Gallons)	3,259,008,423	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
Interest Income		\$400			\$400
Total Other Income		\$400			\$400
D. Grant Income:					
Regional Facilities Planning Grant / TWDB		\$185,000	55,000		\$240,000
Total Grant Income		\$185,000			\$240,000
E. Transfers Into and Out of Restricted Funds					
Transfer INTO Contingency			-\$122,000		\$0
Surplus General Account Funds to Balance the Budget			\$0	163,000	\$163,000
TOTAL PROJECTED INCOME		\$2,118,825			\$2,100,698
II. EXPENDITURES					
A. Operational Expenses					
Electricity & Water		\$7,000			\$7,000
Telecommunications Services		\$20,200	(700)		\$19,500
Printing / Copying / Photo Processing		\$2,000			\$2,000
Postage / Freight / Shipping		\$3,000			\$3,000
Office Supplies / Canteen		\$10,500			\$10,500
Office Furniture		\$2,000			\$2,000
Computer Hardware / Supplies / AV Equipment		\$10,000	(3,000)		\$7,000
Computer Software Maintenance/Upgrades/Acquisitions		\$2,400			\$2,400
Information Technology Monthly Maintenance		\$12,000			\$12,000
Board Meetings and Staff Meetings		\$5,600			\$5,600
External Meetings and Sponsorships		\$7,500			\$7,500
Subscriptions / Publications		\$4,200			\$4,200
Advertising and Notices		\$4,000	2,000		\$6,000
Accounting System Operation and Maintenance		QB/Jourmyx	\$3,500		\$3,500

	Budgeted Permitted Pumpage (Gallons)	3,259,008,423	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
Upgrades, and Repair and Maintenance					
Fleet Maintenance / Repair	Vehicles	\$9,000	(2,000)	\$7,000	
Office Complex Maintenance / Offices / Lawn		\$10,600		\$10,600	
Facilities Repair & Maintenance	General R & M	\$5,000		\$5,000	
Facilities Upgrades	Phase I	\$75,000	(75,000)	\$0	
Leases:					
Postage Meter Lease	Quarterly Lease	\$1,104		\$1,104	
Copier Lease and Maintenance	GE Capital / Dahlill / CIT	\$10,500		\$10,500	
Directors Conferences / Travel		\$5,000		\$5,000	
Organizational / Staff Professional Dues		\$6,500		\$6,500	
Insurance (Auto, Liability, Property, E&O, Public Bonds)		\$6,250		\$6,250	
Professional Development	1500 x 12	\$18,000	(1,500)	\$16,500	
Senior Staff Discretionary Funds		\$10,500		\$10,500	
Conservation Credits	Revenue Deduction	\$29,068	9,216	\$38,284	
					\$209,438
Total Operational Expenses					
B. Salaries and Wages					
Salary & Wages		\$747,866	(45,000)	\$702,866	
Salary and Wages Cost of Living Increases	COLA	\$9,868			
Salary and Wage Increases		\$5,500		\$5,500	
Salary Merit Adjustments		\$5,500		\$5,500	
Goal-based Incentive Compensation		\$41,323		\$41,323	
Interns	Summer	\$11,000		\$11,000	
Directors' Fees of Office		\$45,000		\$45,000	
					\$871,057
					(45,675)
C. Employment Taxes, Insurance and Benefits					
					\$825,382

	Budgeted Permitted Pumpage (Gallons)	3,259,008,423	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
Payroll Taxes	7.65%	\$68,253	(3,494)	\$64,759	\$64,759
Texas Workforce Commission Taxes		\$108		\$108	\$108
Group Health Insurance (Employee only)		\$93,000	(6,500)	\$86,500	\$86,500
Group Health Insurance (Dependent Coverage)	25% of United premium District-paid	\$10,000		\$10,000	\$10,000
Dental Insurance (Employee & Dependent Coverage)	MetLife	\$15,000	(675)	\$14,325	\$14,325
Life Insurance (Employee Coverage)	Unum	\$12,500	(1,250)	\$11,250	\$11,250
Vision Insurance (Employee Coverage)	200 x 10	\$2,400	(400)	\$2,000	\$2,000
Workers Compensation Insurance	TML	\$4,100		\$4,100	\$4,100
Employee Pension Plan Contribution	7.50%	\$55,000		\$55,000	\$55,000
Total Employment Taxes, Insurance and Benefits		\$260,361		\$248,042	
D. Professional Services					
Auditor (Annual)	Figer and Company	\$12,000		\$12,000	\$12,000
Retirement Plan (Third Party Administration)	The Standard	\$19,000		\$19,000	\$19,000
Website and Database		\$5,000		\$5,000	\$5,000
Legal - General Services	Bickerstaff	\$75,000	5,000	\$80,000	\$80,000
Legal- Redistricting for Annexation		\$35,000		\$35,000	\$35,000
Election - including Legal		\$20,000		\$20,000	\$20,000
Total Professional Services		\$166,000		\$171,000	
E. Team Expenditures					
Aquifer Science Team					
Hydrogeologic Characterization		\$10,000	(5,000)	\$5,000	\$5,000
Water Chemistry Studies		\$8,000		\$8,000	\$8,000
Monitor Well, Equipment and Supplies		\$15,000		\$15,000	\$15,000
Contracted Support		\$20,000		\$20,000	\$20,000
Conferences and Seminars		\$5,000		\$5,000	\$5,000
Total Aquifer Science Team		\$58,000		\$53,000	

	Budgeted Permitted Pumpage (Gallons)	3,259,008,423	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
Education and Outreach Team					
Publications		\$1,500			\$1,500
Outreach		\$10,750			\$10,750
General Support		\$3,000			\$3,000
Equipment and Supplies		\$4,250			\$4,250
Contracted Support		\$7,000	(2,000)		\$5,000
Conferences and Seminars		\$1,250			\$1,250
Total Education and Outreach Team		\$27,750			\$25,750
Regulatory Compliance Team					
Special Projects and Investigations		\$10,000	(5,000)		\$5,000
Well Sampling and Services		\$10,000			\$10,000
Equipment and Supplies		\$4,000			\$4,000
Contracted Support		\$25,000	(10,000)		\$15,000
Conferences and Seminars		\$2,500			\$2,500
Total Regulatory Compliance Team		\$51,500			\$36,500
General Management Team & Administrative Team					
Contracted Support		\$30,000			\$30,000
GMA Joint Planning		\$20,550	15,000		\$35,550
HCP-Completion Project		\$30,000			\$30,000
Conferences and Seminars		\$3,000			\$3,000
Total General Management & Administrative Team		\$83,550			\$98,550
Total Team Expenditures		\$220,800			\$213,800
F. Grant Expenses and Special Project Expenses					
Grants:					

	Budgeted Permitted Pumpage (Gallons)	3,259,008,423	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
Regional Facilities Planning Grant / TWDB			\$25,000	(5,000)	\$20,000
Multi-port Well Project for RegFacPlanGrant			\$160,000	(10,000)	\$150,000
Consultant			\$0	240,000	\$240,000
Rider 25 Grant / TWDB			\$0	18,000	\$18,000
Total Grant Expenses			\$185,000		\$428,000
Special Projects:					
Annexation - Central Hays County Westbay Well			\$60,000	(60,000)	\$0
Annexation - Contracted Support Trinity Modeling (GAM Project)			\$50,000	(45,000)	\$5,000
Total Special Projects Expenses			\$110,000		\$5,000
Total Grant Expenses and Special Projects Expenses			\$295,000		\$433,000
G. Capital Expenses					
New Vehicle			\$25,000	(25,000)	\$0
Total Capital Expenses			\$25,000		\$0
TOTAL EXPENSES			\$2,118,640		\$2,100,662
III. BANK ACCOUNTS					
Available Funds					
BB&T (Checking / Payroll)			\$100,400		\$62,000
TexPool General					\$459,989
Total Available Funds (Excludes Limited Use Funds)			\$560,389		\$568,092
Limited Use Funds					
TexPool - Contingency Account					\$731,006
				Restricted	\$731,175

	Budgeted Permitted Pumpage (Gallons)	3,259,008,423	Board-approved 7.30.2015	change	DRAFT Revision 1 11.13.2015
TexPool - Reserve Account	Restricted		\$45,204		\$45,214
Total Limited Use Funds			\$776,210		\$776,389
IV. NON-CASH DISBURSEMENTS					
Depreciation Expense	Per Audit Results		\$50,000		\$50,000
Accrued Benefits Payable (Earned Vacation)			\$20,000		\$20,000
Total Non-Cash Disbursements			\$70,000		\$70,000
V. PROJECTED POSITION					
a. Total District Expenditures	excludes non-cash disbursements	\$2,118,640	(17,978)		\$2,100,662
b. Total District Revenue	current projected income	\$2,118,825	(18,127)		\$2,100,698
c. Current Net Gain / (Loss)	revenue - expenses	\$184			\$35
d. Total Revenue & Cash Funds (excluding Limited Use Funds)	projected income + available cash funds	\$2,679,214			\$2,668,790
e. Contingency Fund		\$731,006			\$731,006
f. Total Revenue & Cash Funds (w/ Contingency & excluding Limited Use Funds)	(d + e)	\$3,410,220			\$3,399,796
g. Projected Cash Position w/o Contingency Fund	(d - a)	\$560,573			\$568,127
h. Projected Cash Position w/ Contingency Fund	(f - a) OR (g + e)	\$1,291,579			\$1,299,133

2nd Column: Denotes any change (generally reductions) from previous initial budget version.

1st Column: 3 separate colors refer to supplemental backup page categories.

Grant and Annexation Line Item Expenses Affecting our Budget / Transfer

ANNEXATION GENERAL

Legal- Redistricting	35000	
Legal - General: Additional Funding	25000	average year is 50,000-55,000
One new FTE (w/estimated associated expenses)	40000	60000 total for initial year
Fringe	20000	addnlnl yrs + 12.5% p/r tax & ret, insurance
Remodel/Facilities Upgrade	0	putting off until 2017
New Vehicle	0	25000 putting off until 2017
ANNEXATION PROJECTS		
Annexation - GMA 10 Trinity Aquifer Analyses	15000	
Annexation - Contracted Support Trinity Modeling (GAM Project)	5000	
Annexation - Central Hays County Westbay Well	0	60000 putting off until 2017
GRANTS		
Regional Facilities Planning Grant / TWDB Cash	20000	with 240,000 match - net 185,000 was 25,000 but 5,000 may be in 2017
Multi-port Well Project for RegFacPlanGrant Consultant TWDB Match	150000 240000 -240000	was 160,000 but 10,000 may be in 2017
Rider 25 Grant / TWDB	18000	was 33,000 but half' may be in 2017
Total	\$328,000	
Total including the 3 Deletions	\$488,000	

11:44 AM

11/13/15

Accrual Basis

**Barton Springs Edwards Aquifer
Balance Sheet
As of November 13, 2015**

Nov 13, 15

ASSETS**Current Assets****Checking/Savings**

1000.0 · Cash in Bank-Checking BB&T	54,903.73
1010.0 · Cash in Bank - Payroll BB&T	6,730.85
1030.0 · TexPool Funds - General	
1040.1 · Special Drought Reserve	52,050.00
1030.0 · TexPool Funds - General - Other	454,041.87
Total 1030.0 · TexPool Funds - General	506,091.87
1040.0 · TexPool Funds - Contingency	731,175.54
1045.0 · TexPool Funds - Reserve	45,214.42
Total Checking/Savings	1,344,116.41

Accounts Receivable**1200.0 · Accounts Receivable**

1200.1 · A/R DMF	-8,431.49
1200.0 · Accounts Receivable - Other	98,512.06
Total 1200.0 · Accounts Receivable	90,080.57

Total Accounts Receivable

90,080.57

Other Current Assets

1100.0 · Petty Cash	300.00
1300.0 · Pre-paid Expenses	7,720.94
1499.0 · Undeposited Funds-A/R payments	10,976.21

Total Other Current Assets

18,997.15

Total Current Assets

1,453,194.13

Fixed Assets

1400.0 · Field Equipment	376,487.89
1410.0 · Office Equipment & Furniture	19,722.90
1410.1 · Computer Hardware & Software	13,529.69
1420.0 · Vehicles	78,339.03
1430.0 · Accumulated Depreciation	-531,708.24
1440.0 · Land (Antioch Cave)	165,415.00
1445.0 · Office Building	257,488.04

Total Fixed Assets

379,274.31

Other Assets

1500.0 · Organizational Costs	300,783.26
1510.0 · Accumulated Amortization	-300,783.26
1600.0 · Deposits Paid (Utilities)	71.00

Total Other Assets

71.00

TOTAL ASSETS**1,832,539.44****LIABILITIES & EQUITY****Liabilities****Current Liabilities****Other Current Liabilities**

2010.0 · Rebates Payable - Cons Credits	29,069.95
2250.0 · TWC Payable	1.16
2270.0 · Payroll Liabilities	1,161.35
2300.0 · Accrued Vacation Payable	45,541.63
Total Other Current Liabilities	75,774.09

Total Current Liabilities

75,774.09

Total Liabilities

75,774.09

11:44 AM

11/13/15

Accrual Basis

**Barton Springs Edwards Aquifer
Balance Sheet
As of November 13, 2015**

	<u>Nov 13, 15</u>
Equity	
3000.0 · Fund Balance	1,109,047.60
3000.3 · Invested in Capital Assets	365,127.26
3110.0 · Reserve for Petty Cash	300.00
Net Income	282,290.60
Total Equity	<u>1,756,765.46</u>
TOTAL LIABILITIES & EQUITY	<u>1,832,539.55</u>

Item 5

Board Discussions and Possible Actions

- c. Discussion and possible action related to activities associated with the District review of State Highway 45 Southwest design plans.



**Barton Springs
Edwards Aquifer
CONSERVATION DISTRICT**

MEMORANDUM

Date: November 19, 2015
To: Board of Directors
Thru: John T. Dupnik, P.G., General Manager
From: Tom Hegemier, P.E.
Re: SH 45 SW Project Update

Activities Since Previous Update

Meeting Notes

The Technical Water Quality Work Group met on October 26 and November 9 to discuss and review the construction plans which are now 90 percent complete. The City of Austin and Travis County have fully engaged in the process and are providing input on all project aspects.

The October 26 meeting covered at a high level: cave protection during construction, cave protection after construction, the erosion control plan during the construction period and void mitigation. The CTRMA design team proposes a four-phase project approach over the estimated 24- to 30-month construction period. The initial action outside of the bird season will be to remove trees found within the proposed improvements area over the entire 4.5 mile project length and stabilize any disturbed areas. Then, the project will proceed to Phase 1.

The November 9 meeting shared the Common Agreement Statement (attached) that was developed at the August 20th meeting. The City of Austin made the request to delete the word "Agreement" from the title and possibly use the word "Understanding" instead. At this meeting, the CTRMA design team was seeking "agreement" on permanent protections, cave protection, temporary erosion control measures, permanent water quality measures and guidance for the project construction Environmental Compliance Manager. However, it became apparent as we reviewed the 90 percent plans on the Bear Creek temporary road crossing that there are many details to work out prior to achieving "agreement." We did agree that the project Environmental Compliance Manager will play a key role in ensuring environmentally sound construction practices and this individual/firm should have the ability to stop construction to resolve project issues.

The City of Austin indicated that they have a list of comments pertaining to the entire project and intend to share it with the CTRMA team, BSEACD, and Travis County on November 13. Also at this meeting, the City indicated that they would like the stormwater water quality plan to meet SOS standards and are recommending the use of retention-irrigation systems. This system requires pumps, piping, and a landscape irrigation network to potentially irrigate over 20 acres of highway right-of-way. We were told that the CTRMA had been informed of this request the week before via an email from the City.

Water Quality Review Process

The water quality review process up to now has mostly focused on permanent water quality management practices and those measures are generally in compliance with the BSEACD Board Guiding Principles that were developed at the July 16, 2015 Board meeting. However, with the City proposing SOS compliance through the use of retention-irrigation, a high maintenance system, it will be important to monitor this process to ensure that the installed final product has an effective and defined maintenance plan and operator to meet the BSEACD Board Guiding Principles. The 90 percent construction plans now provide the Technical Water Quality Work Group the opportunity to review the proposed construction erosion control plan. From the initial review and comments at the November 9th meeting, I anticipate much more discussion on these measures at the upcoming technical work group meetings as there are many details to consider in devising an effective erosion control plan.

Next Steps:

- The next Water Quality Technical Work Group meeting will occur on November 23 with an emphasis on void mitigation.
- The CTRMA design team plans to complete the Water Quality Protection Plan (WPAP) in early December as part of the TCEQ Edwards Aquifer Protection program permit. The application to TCEQ is scheduled to be submitted later this year.
- I anticipate several more meetings of the Technical Water Quality Work Group as there are many details to be reviewed, especially in the construction erosion control plan and it is probable that the review process will extend into 2016.
- The CTRMA has not determined a bid date at this time nor did they confirm a specific construction start date.

Common Agreement Statements (from representative of the City of Austin, Travis County, BSEACD, TxDOT and the Mobility Authority)

- We agree that achieving superior water quality, beyond just following the measures outlined in the consent decree, should be a goal of the SH 45SW project.
- We agree that the approach of the water quality non-degradation evaluation, which has been developed by the design team (based on the City of Austin Environmental Criteria Manual #1.5.9), is a reasonable approach.
- We agree that we are unable to quantify the full benefits of the vegetative filtration systems.
- We agree the native soils along the project corridor consist of Del Rio and Terra Rosa. These soils are classified by the Soil Conservation Services as Group D soils. Group D soils have a very slow infiltration rate when thoroughly wetter. (Refer to the SH 45SW Geologic Assessment for additional information)
- We agree that the project should maintain and minimize the disturbance of the native soils in the corridor by minimizing excavation, and salvaging and banking top soil for final cover.
- We agree that, given the presence of natural clay in the soils, there is no need to install a clay liner on the vegetative filter strips and in swales.
- We agree that the ponds will have an impermeable liner to meet TCEQ requirements.
- We agree with the project approach and that there is a need for energy dissipation so that erosion is controlled at concentrated flow locations downstream of the batch detention ponds. The overall approach also includes energy dissipaters designed with applicable criteria.
- We agree that the batch detention ponds will have a real-time monitoring system with a manual override valve.
- We agree that hazardous material traps, included as part of the batch detention ponds, is the most appropriate approach given the linear nature of the project.
- We agree that the design team's approach to the management of hazardous material is practical given the environmental constraints in the corridor. The overall approach will include a spill response plan, which includes remediation requirements.

Nov 9, 2015

Item 6

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 7

Adjournment