

Senate Bill 1
South Central Texas RWPG
Staff Workgroup Meeting
October 23, 2013 at 1:00 pm

- 1) Region L Carrizo WMS Work Group Update
- 2) Update of Regional Water Planning Project Prioritization
- 3) Status of Technical Consultants Work and Schedule
 - a. Review schedule, budget and list of potential issues
 - b. Update on TWDB staff recommendations regarding population and water demand projections.
 - c. Updated draft needs analyses
 - d. Review Phase 2 results
 - e. Review of draft scopes and budgets for 16 WMS:
 - Edwards Transfers
 - Purchase from WWP
 - Water Resources Integration Pipeline (SAWS)
 - Advanced Meter Infrastructure (SAWS)
 - Regional Water Supply Project – RFCSP (SAWS)
 - Regional Brackish Wilcox Project – Alternative (SAWS)
 - Integrated Water-Power Project (GBRA)
 - Luling ASR (GBRA)
 - New Braunfels ASR Project (NBU)
 - New Braunfels Trinity Well Field (NBU)
 - New Braunfels Reuse Project (NBU)
 - Expansion Carrizo-Wilcox Aquifer, Guadalupe Co (SSLGC)
 - Lavaca River Off-Channel Reservoir
 - Brackish Wilcox Groundwater for SS WSC
 - Carrizo/Buda/Austin Chalk/Leona & Regional ASR (City of Uvalde)
 - Texas Water Alliance
 - f. Review list of potentially feasible water management strategies for authorization to begin draft scopes of work and budget at February meeting (if any)
- 4) Review Administrator's Budget for CY2014

- 5) Review Agenda for November 7, 2013 Planning Group Meeting
- 6) Other

AGENDA ITEM 1

Region L Carrizo WMS Work Group Update

AGENDA ITEM 2

Update of Regional Water Planning Project Prioritization

AGENDA ITEM 3

Status of Technical Consultants Work and Schedule

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Potential Issues For The 2016 SCTRWP

November 7, 2013

- 1) Carrizo Aquifer in Northern Gonzales County (Status: Workgroup On-Going)
 - a) Multiple Potentially Feasible Projects Exceed MAG
 - b) TWDB will not allow for over-allocation in the 2016 RWP
- 2) Importing Groundwater from Other Regions (Status: No Action Thus Far)
- 3) Meeting Needs of Formosa (Status: Con Mims has discussed with LNRA)
 - a) Coordination with Regions P and N
- 4) Implementation of TCEQ Estuary Environmental Flow Standards (Status: Awaiting TCEQ)
- 5) Population and/or Water Demand Projections Revisions (Status: Finished)
- 6) Eagle-Ford Shale Demands – Direct, Indirect, and Induced (Status: Finished)
- 7) Whooping Crane Litigation (Status: District Court Decision Stayed Pending Appeal; Oral Arguments heard in August / Awaiting Ruling from Appellate Court)
- 8) Meeting Steam-Electric Needs in Victoria County (Status: No Action Thus Far)
- 9) Inter-Regional Coordination (e.g. SAWS Competitive Sealed Proposals) (Status: No Action Thus Far)
- 10) Pending Legislation

Results of Revision Requests
**Final Municipal Population
and Water Demand
Projections**

***2016 South Central Texas Regional
Water Plan***

November 7, 2013

Timeline

- **August 1, 2013 – Region L Planning Group Mtg;
Requests approved for submittal**
- **August & September 2013 – HDR and TWDB work
together on revision requests**
- **September 23, 2013 – Staff finalizes their
recommendations to the Board**
- **October 17, 2013 – TWDB approves Staff
recommendations**

Eagle Ford Shale Requests

- **County-wide water demand projection revisions:**
 - DeWitt
 - Dimmit
 - Goliad
 - Gonzales
 - Karnes
 - La Salle
 - Refugio
- **HDR worked with TWDB to allocate county-wide revisions to individual WUGs**
- **TWDB accepted all EFS revision requests**

Approved Revision Requests

- **Converse (Population & Water Demand)**
- **Schertz (Population & Water Demand)**
- **Fair Oaks Ranch (Population & Water Demand)**
- **San Marcos (Population & Water Demand)**
- **Plum Creek Water Co (Population & Water Demand)**

Approved Revision Requests – Cont.

- **County-Other adjustments made include:**
 - **Bexar (Population Only)**
 - **Caldwell (Population Only)**
 - **Comal (Population Only)**
 - **Hays (Population Only)**
 - **Kendall (Population Only)**

Partially-Approved Revision Requests

- **Cibolo**

	2020	2030	2040	2050	2060	2070
Draft Population	18,702	22,485	26,356	30,141	33,994	37,777
Requested Population	37,000	54,800	71,200	89,000	106,800	122,800
Final Population	37,000	54,800	64,234	73,459	82,849	92,069

	2020	2030	2040	2050	2060	2070
Draft Water Demand (acft/yr)	2,729	3,239	3,776	4,303	4,844	5,379
Requested Water Demand (acft/yr)	5,343	7,823	10,136	12,650	15,167	17,431
Final Water Demand (acft/yr)	5,343	7,823	9,148	10,447	11,773	13,075

Revision Requests Not Approved

- **Comal County (Population)**
- **Cotulla (Population & Water Demand***)**
- **La Vernia (Population & Water Demand)**
- **SS WSC (Population & Water Demand)**

Regional Summary

- **17 Revision Requests by Region L**
 - 10 Entities + 7 EFS Counties
 - Resulted in 61 WUG Pieces to be considered for revision
- **Total Population**
 - 2040 - Increased from 3.841 million to 3.920 million (+2.1%)
 - 2070 - Increased from 5.119 million to 5.192 million (+1.5%)
- **Total Water Demands**
 - 2040 - Increased from 566k acft/yr to 582k acft/yr (+2.9%)
 - 2070 - Increased from 741k acft/yr to 754k acft/yr (+1.8%)

Phase 2 Survey Results

***2016 South Central Texas Regional
Water Plan***

November 7, 2013

Overall Survey Results

- **Survey Sent to 137 Total WUGs**
 - Sent on September 30th with a deadline of October 18th
 - Additionally, HDR has been working with all WWPs
- **Survey Seen By 39 WUGs (28.5%)**
 - Along with WWPs, represent 76.4% of Population
- **Seven (7) WUGs have changes**
 - COUNTY LINE WSC
 - EAST MEDINA COUNTY SUD
 - GREEN VALLEY SUD
 - MCCOY WSC
 - SS WSC
 - SAN MARCOS
 - THE OAKS WSC

WUG Respondents

- ASHERTON
- BENTON CITY WSC
- CASTROVILLE
- CIBOLO
- COMAL COUNTY-OTHER
- COTULLA
- COUNTY LINE WSC
- CREEDMOOR-MAHA WSC
- EAST CENTRAL SUD
- EAST MEDINA COUNTY SUD
- FAIR OAKS RANCH
- GARDEN RIDGE
- GREEN VALLEY SUD
- KARNES CITY
- KENDALL COUNTY WCID #1
- KENEDY
- MARION
- MARTINDALE
- MAXWELL WSC
- MCCOY WSC
- NATALIA
- NEW BERLIN
- NEW BRAUNFELS
- NIXON
- PLEASANTON
- PLUM CREEK WATER COMPANY
- S S WSC
- SAN MARCOS
- SANTA CLARA
- SCHERTZ
- SEGUIN
- SOMERSET
- ST. HEDWIG
- TERRELL HILLS
- THE OAKS WSC
- UNIVERSAL CITY
- VICTORIA
- WIMBERLEY WSC
- YANCEY WSC

Revision Requests

- **COUNTY LINE SUD**
 - Asked that their name be corrected.
 - Provided that they are part of HCPUA
- **EAST MEDINA COUNTY SUD**
 - Provided additional information regarding Edwards permits
- **GREEN VALLEY SUD**
 - Provided information regarding existing supplies & WMSs
- **MCCOY WSC**
 - Provided alternative demand projections & information about existing supplies

Revision Requests

- **S S WSC**
 - Need to contact Mr. Williams
- **SAN MARCOS**
 - Provided additional information to delineate San Marcos from Texas State University
- **THE OAKS WSC**
 - Provided information regarding their Wholesale connection with SAWS (existing supply)

TASK 4D
WATER MANAGEMENT STRATEGIES
Scope and Budget #3

Perform Technical Evaluations including Cost Estimates

Perform technical evaluations, including cost estimates and documentation, of the following water management strategies (WMS) to be consistent with current projections of water supply needs and facilities planning pursuant to TWDB rules and guidance. Work effort involves coordination with sponsoring water user group(s), wholesale water provider(s), and/or other resource agencies regarding projected needs, planned facilities, costs of water supply, endangered or threatened species, etc. Work effort includes cost estimates and supporting documentation to reflect the September 2013 cost basis for the 2016 regional water plans pursuant to TWDB guidance.

Water Resources Integration Pipeline (SAWS) \$5,400

Coordinate with the San Antonio Water System (SAWS) in order to be consistent with their Water Supply Plan regarding this WMS with technical focus on available information regarding pipeline route, transmission capacity, and drought operations relevant to the Edwards Aquifer Habitat Conservation Plan (EAHCP). Estimate cost of project and document in the technical evaluation. Note: WMS is necessary to bring multiple water supply sources to the city from the Twin Oaks Water Treatment Plant (WTP) and Aquifer Storage & Recovery (ASR) facility, and does not introduce new supply. Budget for technical evaluation does not include Edwards Aquifer simulations.

Advanced Meter Infrastructure (SAWS) \$3,000

Coordinate with SAWS in order to be consistent with their Water Supply Plan regarding this WMS with technical focus on available information regarding number of meters and potential water savings. Estimate cost of project and document in the technical evaluation. Note: WMS is necessary to implement SAWS advanced water conservation strategies.

Integrated Water-Power Project (GBRA) \$11,400

Coordinate with GBRA in order to be consistent with latest plans regarding this WMS. Perform technical evaluation using available information regarding location of desalination WTP, ultimate treatment and transmission capacity, delivery locations, and timeframe for implementation. Estimate cost of project and prepare documentation of technical evaluation.

Luling ASR (GBRA) \$13,500

Coordinate with GBRA in order to be consistent with latest plans regarding this WMS. Perform technical evaluation using available information regarding location of ASR well field, water treatment plant capacity expansion, delivery locations, and timeframe for implementation. Estimate cost of project and prepare documentation of technical evaluation. Budget does not include Carrizo-Wilcox Aquifer simulations.

New Braunfels ASR Project (NBU) \$12,200

Coordinate with New Braunfels Utilities (NBU) in order to be consistent with latest plans regarding this WMS. Perform technical evaluation using available information regarding location of ASR well field, water treatment plant capacity expansion, delivery locations, and timeframe for implementation.

Estimate cost of project and prepare documentation of technical evaluation. Budget does not include Trinity or Edwards Aquifer simulations.

New Braunfels Trinity Well Field (NBU) \$10,000

Coordinate with NBU in order to be consistent with latest plans regarding this WMS. Perform technical evaluation using available information regarding location of Trinity Aquifer well field, availability of Trinity Aquifer water relative to approved estimates of Modeled Available Groundwater (MAG), water treatment plant capacity, delivery locations, and timeframe for implementation. Estimate cost of project and prepare documentation of technical evaluation. Budget does not include Trinity Aquifer simulations.

New Braunfels Reuse Project (NBU) \$6,900

Coordinate with NBU in order to be consistent with latest plans regarding this WMS. Perform technical evaluation using available information regarding capacity of reuse project, wastewater treatment plant capacity, potential customers and delivery locations, and timeframe for implementation. Estimate cost of project and prepare documentation of technical evaluation.

TWA Trinity Well Field \$10,000

Coordinate with the Texas Water Alliance (TWA) in order to be consistent with latest plans regarding this WMS. Perform technical evaluation using available information regarding location of Trinity Aquifer well field, availability of Trinity Aquifer water relative to approved estimates of MAG, water treatment plant capacity, potential customers and delivery locations, and timeframe for implementation. Estimate cost of project and prepare documentation of technical evaluation. Budget does not include Trinity Aquifer simulations.

Update Technical Evaluation including Cost Estimates

Update technical evaluations, including cost estimates and documentation, of the following water management strategies to be consistent with current projections of water supply needs and facilities planning pursuant to TWDB rules and guidance. Work effort involves coordination with sponsoring water user group(s), wholesale water provider(s), and/or other resource agencies regarding any changed conditions in terms of projected needs, strategy modifications, planned facilities, costs of water supply, endangered or threatened species, etc. Work effort includes research and revision of cost estimation procedures, cost estimates, and supporting documentation to reflect the September 2013 cost basis for the 2016 regional water plans pursuant to TWDB guidance.

Edwards Transfers \$14,400

Acquire latest information regarding transfers of Edwards Aquifer permits through sales and leases. Update technical evaluation integrating effects of EAHCP implementation (i.e. VISPO and SAWS ASR elements). Update estimated cost of project and technical evaluation documentation. Budget does not include assessment of regional economic effects of Edwards Transfers.

Purchase from WWP \$15,000

Coordinate with Wholesale Water Providers (WWPs) and Water User Groups (WUGs) to allocate future amounts of wholesale water supplies available to meet WUG needs. Update technical evaluation and associated summaries using available information regarding amounts, delivery locations, and timeframe for implementation. Update estimated cost of project and technical evaluation documentation.

Expansion Carrizo-Wilcox Aquifer, Guadalupe Co (SSLGC) \$10,900

Coordinate with the Schertz-Seguin Local Government Corporation (SSLGC) in order to be consistent with latest plans regarding this WMS. Update technical evaluation using available information regarding groundwater permit status with due consideration of Modeled Available Groundwater (MAG), delivery locations, and timeframe for implementation. Update estimated cost of project and technical evaluation documentation. Budget does not include Carrizo-Wilcox Aquifer simulations.

Lavaca River Off-Channel Reservoir \$7,900

Coordinate with the Lavaca-Navidad River Authority (LNRA) in order to be consistent with latest plans regarding this WMS. Update technical evaluation using available information regarding surface water availability, off-channel reservoir size and location, delivery locations, and timeframe for implementation. Update estimated cost of project and technical evaluation documentation.

Brackish Wilcox Groundwater for SS WSC \$10,000

Coordinate with SS Water Supply Corporation (WSC) in order to be consistent with latest plans regarding this WMS. Update technical evaluation using available information regarding groundwater permit status with due consideration of Modeled Available Groundwater (MAG), well field and water treatment plant locations, delivery locations, and timeframe for implementation. Update estimated cost of project and technical evaluation documentation. Budget does not include Carrizo-Wilcox Aquifer simulations.

Total = \$130,600
Previously Authorized (May & Aug 2013) = \$251,450
Grand Total = \$382,050

List of Potential Water Management Strategies to Be Scoped for February 2013 SCTRWPG Meeting

Regional Water Supply Project – RFCSP (SAWS)

Regional Brackish Wilcox Project – Alternative (SAWS)

Carrizo/Buda/Austin Chalk/Leona & Regional ASR (City of Uvalde)

Carrizo Transfers

AGENDA ITEM 4

Review Administrator's Budget for CY2014

**South Central Texas Regional Water Planning Group
Statement of Administrative Costs for 2014**

ADMINISTRATIVE	2012 BUDGET	2013 BUDGET	2012 Expenses as of 10/1/2013	PROPOSED 2013
Supplies	\$1,950.00	\$1,950.00	0	\$1,950.00
Professional Services	\$1,250.00	\$1,250.00	\$420.00	\$1,250.00
Communications	\$2,000.00	\$2,000.00	0	\$2,000.00
Travel	\$500.00	\$500.00	0	\$500.00
Advertising	\$4,000.00	\$4,000.00	\$2,831.48	\$4,000.00
Labor Costs	\$48,300.00	\$48,300.00	\$26,895.34	\$48,300.00
TOTAL	\$58,000.00	\$58,000.00	\$30,146.82	\$58,000.00

Supplies – items that are consumed or deteriorated through use; computer paper, checks, office supplies, and miscellaneous supplies (lunches).

Professional Services – legal fees, etc.

Communications – telephone and postage.

Travel – reimbursement of SCTRWPG member travel and other expenses.

Advertising – publishing notices in newspapers of general circulation within the planning area.

Labor Costs – SARA staff time associated with administration.

AGENDA ITEM 5

Review Agenda for November 7, 2013 Planning Group Meeting

DRAFT
NOTICE OF OPEN MEETING OF THE
SOUTH CENTRAL TEXAS REGIONAL
WATER PLANNING GROUP

TAKE NOTICE that a meeting of the South Central Texas Regional Water Planning Group as established by the Texas Water Development Board will be held on Thursday, November 7th, 2013 at 10:00 a.m. at San Antonio Water System (SAWS), Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas. The following subjects will be considered for discussion and/or action at said meeting.

1. Public Comment
2. Approval of Minutes
3. Status of Edwards Aquifer Habitat Conservation Plan (HCP)
4. Status of Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC) and Expert Science Team (BBEST) and Nueces River and Corpus Christi and Baffin Bays Stakeholder Committee (BBASC) and Expert Science Team (BBEST)
5. Texas Water Development Board (TWDB) Communications
 - New Planning Group Member Presentation
6. Presentation by Texas State Soil and Water Conservation Board on Brush Management – Aaron Wendt
7. Discussion and Appropriate Action Regarding Consultants Work and Schedule
 - Technical Memorandum Update
8. Report, Discussion and Appropriate Action from Work Group
 - Carrizo Aquifer Work Group, Greg Sengelmann
9. Report on Results of the Draft Water Needs, Initial List of Water Management Strategies, and Drought Response Survey to Water User Groups (WUG) (Tasks 4A, 4B & 7)
10. Discussion and Appropriate Action Regarding Evaluation of Potentially Feasible Water Management Strategies (Task 4B), Draft Scopes of Work and Budgets for Submittal to TWDB and Inclusion into Planning Contract, TWDB Contract No. 1148301323 (Task 4D)

11. Discussion and Appropriate Action Regarding Authorizing Political Subdivision to Submit Request for Notice-to-Proceed for Evaluation of Sixteen Water Management Strategies and Authorize Administrator to Execute Contract Amendment with TWDB
12. Discussion and Appropriate Action Regarding Identification of Potentially Feasible Water Management Strategies (Task 4B), Draft Scopes of Work and Budgets for Consideration at the Next South Central Texas Regional Water Planning Group Meeting
13. Review/Approve Administrator's Budget for CY2014
14. Set Dates and Times of Regional Water Planning Group Meetings for 2014
15. Possible Agenda Items for the Next South Central Texas Regional Water Planning Group Meeting
16. Public Comment

The South Central Texas Regional Water Planning Area consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, Dewitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, La Salle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala and part of Hays Counties.

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