



c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

(210) 227-1373 Office  
(210) 302-3692 Fax  
www.RegionLTexas.org

#### EXECUTIVE COMMITTEE

Con Mims  
*Chair / River Authorities*  
Tim Andruss  
*Vice-Chair / Water Districts*  
Gary Middleton  
*Secretary / Municipalities*  
Donna Balin  
*At-Large / Environmental*

DATE: April 24, 2014

TO: Members of the South Central Texas Regional Water Planning Group

#### MEMBERS

VACANT  
*Water Districts*  
Gene Camargo  
*Water Utilities*  
Rey Chavez  
*Industries*  
Alan Cockerell  
*Agriculture*  
Will Conley  
*Counties*  
Don Dietzmann  
*GMA 9*  
Art Dohmann  
*GMA 15*  
Blair Fitzsimons  
*Agriculture*  
Vic Hilderbran  
*GMA 7*  
Kevin Janak  
*Electric Generating/Utilities*  
John Kight  
*Counties*  
Gená Leathers  
*Industries*  
Doug McGookey  
*Small Business*  
Dan Meyer  
*GMA 10*  
Iliana Peña  
*Environmental*  
Robert Puente  
*Municipalities*  
Steve Ramsey  
*Water Utilities*  
David Roberts  
*Small Business*  
Roland Ruiz  
*Water Districts*  
Diane Savage  
*GMA 13*  
Suzanne Scott  
*River Authorities*  
Greg Sengemann  
*Water Districts*  
Milton Stolle  
*Agriculture*  
Thomas Taggart  
*Municipalities*  
Dianne Wassenich  
*Public*  
Bill West  
*River Authorities*

FROM: Steven J. Raabe, P.E.

The schedule and location of the meeting of the South Central Texas Regional Water Planning Group is as follows:

#### TIME AND LOCATION

Thursday, May 1, 2014  
9:30 a.m.  
San Antonio Water System  
Customer Service Building  
Room CR C145  
2800 US Highway 281 North  
San Antonio, Bexar County, Texas 78212

Enclosed is a copy of the posted public meeting notice.

GMM/jv

Enclosure

**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, May 1<sup>st</sup>, 2014 at 9:30 a.m. at San Antonio Water System (SAWS), Customer Service Building, Room CR-C145, 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. Discussion and Appropriate Action Regarding Nominations to fill vacant Water District voting member (term expires 2016)
4. Election of Executive Committee At-Large Member for Calendar Year 2014
5. Status of Edwards Aquifer Habitat Conservation Plan (HCP) – Nathan Pence, Executive Director EAHCP
6. 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)
7. Texas Water Development Board (TWDB) Communications
8. Chair's Report
9. Discussion and Appropriate Action Regarding Adoption of Code of Conduct
10. Report, Discussion and Appropriate Action Regarding Project Prioritization Work Group Recommendations
11. Discussion and Appropriate Action Regarding Authorizing Administrator to Submit Draft Project Prioritization Report to TWDB
12. Discussion and Appropriate Action Regarding Submittal of Technical Memorandum to TWDB by August 1, 2014
13. Discussion and Appropriate Action Regarding Consultants Work and Schedule

14. 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
15. Discussion and Appropriate Action Regarding Authorizing Administrator to Submit Request for Notice-to-Proceed for Evaluation of Water Management Strategies and Authorize Administrator to Execute Contract Amendment with TWDB
16. 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
17. Discussion and Appropriate Action Regarding Evaluation and Recommendation of Water Management Strategies (WMSs) (Task 4D)
18. Possible Agenda Items for the Next South Central Texas Regional Water Planning Group Meeting
19. Public Comment

## **AGENDA ITEM 1**

Public Comment

## **AGENDA ITEM 2**

Approval of Minutes

**Minutes of the  
South Central Texas Regional Water Planning Group  
February 6, 2014**

The meeting was called to order at 9:30 a.m. in the San Antonio Water System's (SAWS) Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas.

Twenty-seven of the 29 voting members, or their alternates, were present.

**Voting Members Present:**

Mark Meek for Tim Andruss	Gary Middleton
Donna Balin	Con Mims
Gene Camargo	Iliana Pena
Patrick Garcia for Rey Chavez	Robert Puente
Alan Cockerell	Steve Ramsey
Don Dietzmann	David Roberts
Art Dohmann	Roland Ruiz
Blair Fitzsimons	Diane Savage
Vic Hilderbran	Suzanne Scott
Kenneth Eller for Kevin Janak	Greg Sengelmann
John Kight	Thomas Taggart
Gená Leathers	Dianne Wassenich
Doug McGooky	James Murphy for Bill West
Dan Meyer	

**Voting Members Absent:**

Will Conley  
Milton Stolte

**Non-Voting Members Present:**

Norman Boyd, Texas Department of Parks and Wildlife  
Ron Fieseler, Region K Liaison  
Don McGhee, Region M Liaison  
David Meesey, Texas Water Development Board (TWDB)  
Ken Weidenfeller, Texas Department of Agriculture

**AGENDA ITEM NO. 1: Public Comment**

John Kight requested his letter be recorded in the minutes and proceeded to read the attached letter to the Planning Group. (Letter dated February 6, 2014 from John C. Kight, PE (Retired) is attached).

## **AGENDA ITEM NO. 2: Approval of Minutes**

Mr. Mims asked if there were any additions or corrections to the November 7, 2013 meeting minutes. There were no corrections or revisions requested. Dianne Wassenich made a motion to approve the minutes as presented. Art Dohmann seconded the motion. The motion carried by consensus.

## **AGENDA ITEM NO. 3: Election of Officers for Calendar Year 2014**

Mr. Mims began the election of officers by confirming that voting members shall elect officers from among the nominees by consensus or by affirmative vote of a majority of the voting membership. Presently, the voting membership is 29 voting members and a majority would be 15. Also, no two voting members representing the same interest shall serve as members of the Executive Committee at the same time. Included in the agenda packets is a current list of voting members and their designated Interest category they represent to assist in the nominations.

Mr. Mims asked for nominations for the election of officers beginning with Chairman. Dianne Wassenich nominated Mr. Mims to serve as Chair, John Kight seconded the nomination. David Roberts nominated Tim Andruss to serve as Chair, Jim Murphy seconded the nomination. Mr. Mims was re-elected to serve as Chair by majority vote.

Suzanne Scott nominated Roland Ruiz to serve as Vice Chair, Gene Camargo seconded the nomination. Art Dohmann nominated Mr. Andruss to serve as Vice Chair, Mr. Murphy seconded the nomination. Mr. Andruss was elected to serve as Vice Chair by majority vote.

Mr. Mims then asked for nominations for Secretary. Mr. Kight made a motion to re-elect Gary Middleton as Secretary. Robert Puente seconded the nomination. The motion carried by consensus and Mr. Middleton was re-elected to serve as Secretary by consensus.

Mr. Mims asked for nominations for the two At-Large positions. Mr. Murphy nominated Donna Balin to serve in the At-Large position. Mr. Dohmann seconded the nomination. The motion carried by consensus. Mrs. Balin was elected to serve as an At-Large Executive Committee officer.

Mr. Murphy nominated Don Dietzmann for the second vacant At-Large position on the Executive Committee, and Mr. Dohmann nominated Kevin Janak. A majority vote could not be reached. Mr. Mims asked the Planning Group if it would hold filling the vacancy of the second At-Large position until the May meeting when both nominees were in attendance to see if a majority vote or a consensus could be reached. The Planning Group members agreed to move filling this vacancy to the May meeting.

## **AGENDA ITEM NO. 4: Status of Edwards Aquifer Habitat Conservation Plan (HCP)**

Nathan Pence, EAHCP Executive Director, provided a brief overview of progress on the HCP. Mr. Pence stated the completion of the first year of implementation and currently working on the annual report due as part of the Incidental Take Permit. The report is due to US Fish and Wildlife Service on March 31<sup>st</sup>, 2014. The report is a great summary of all the accomplishments implemented over the first year. Information from the draft report may be obtained at the

website, [www.eahcp.org](http://www.eahcp.org). The annual report will be presented at the March 20<sup>th</sup>, 2014 Implementing Committee meeting. There will also be a presentation of the take estimation and methodology to determine the amount of take under the permit for the year 2013.

Mr. Pence also stated the Edwards Aquifer Recovery Implementation Program (EARIP) planning process was awarded the Secretary of the Interior's Partners in Conservation Award.

**AGENDA ITEM NO. 5: 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)**

Suzanne Scott, Chair of the Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC), informed the Planning Group TWDB approved the solicitation for funding of studies allocated in the last Legislation for implementation of the Work Plan. TWDB has not posted the Request for Qualifications (RFQ) to date but should be doing so soon. Funds, totaling up to \$750,000, were requested as follows:

- (a) Texas Instream Flow Program Studies (\$200,000)
- (b) Lower Basin/Estuarine Inflow Studies (\$200,000)
- (c) *Rangia* Clam Investigations (\$150,000)
- (d) Key estuarine faunal species studies (\$150,000)
- (e) Strategy Options for Meeting Attainment Frequencies for the Estuaries (\$50,000)

The GSA BBASC will be coordinating efforts with TWDB, the GSA BBEST and other agencies to seek studies, in accordance with its work plan that builds upon existing data, existing or ongoing research, and/or requires limited additional field work to assist in the validation or refinement of the adopted Texas Commission on Environmental Quality (TCEQ) environmental flow standards in sustaining the environmental health of the rivers, bays and estuaries.

The next GSA BBASC meeting is tentatively scheduled March 18<sup>th</sup>, 2014 based on the final submission deadlines of the RFQ.

Mr. Mims, Chair of the Nueces River and Corpus Christi and Baffin Bays Stakeholder Committee (BBASC), informed the Planning Group the Nueces Work Plan and budget has been submitted to TWDB with a request for funding of \$312,500 to accomplish four studies related to coastal freshwater inflow issues. The studies are expected to be completed in the fourth quarter of 2015 and do not affect Region L water planning. TCEQ's rule adoption for the Nueces is scheduled for the February 12<sup>th</sup>, 2014 board agenda. Once the environmental flow regime has been adopted by TCEQ, all the environmental flow requirements established for the San Antonio, Guadalupe and Nueces river basins. For Region L planning purposes, TCEQ adopted flow regimes will be used instead of Consensus Criteria previously used for surface water modeling.

**AGENDA ITEM NO. 6: Chair's Report**

- **Report on Uniform Standards to be Used by Regional Water Planning Groups to Prioritize Projects**



- **Discussion and Appropriate Action Regarding Creation of Work Group to Begin Draft Prioritization Projects from 2011 RWP**
- **Report by SAWS on Bed and Banks Permit Application**

Mr. Mims provided an update to the Planning Group on the status of the Regional Water Planning Group Project Prioritization Committee, of which he is a stakeholder representing Region L. The committee was created as a result of House Bill 4 (HB) last legislative session and provided \$2 Billion to capitalize loans to be used to plan and construct projects in the State Water Plan. Under HB4, each Planning Group throughout the state is required to use their existing approved regional water plan (2011 RWP) and prioritize the Recommended Water Management Strategies using a scoring template that has been created by the Prioritization Committee. Mr. Mims stated a copy of the scoring template, Uniform Standards for Prioritization, is in the agenda packet and has been approved by the Board (TWDB). Mr. Mims added he has provided a more detailed report on Uniform Standards to be used by Regional Water Planning Groups to prioritize projects is in the agenda packet.

Mr. Mims would like to create a work group to develop the first draft of project prioritization from the 2011 RWP and submit the list to the Planning Group at the May Planning Group meeting. The Planning Group members had no objection to creating the work group. The work group members are: Mr. Puente, Gená Leathers, Doug McGookey, Mrs. Scott, Tom Taggart, Bill West, Mrs. Balin, Mr. Dietzmann, Greg Sengelmann, Rey Chavez, Mr. Janak, Blair Fitzsimons and Calvin Finch. Mrs. Scott was named Chair. Mrs. Scott will coordinate the first meeting with HDR Engineering, Inc.

Mr. Mims stated Mr. Dohmann had requested a brief presentation on SAWS' Bed and Banks Permit Application for downstream water and introduced Steve Clouse, Chief Operating Officer and Senior Vice President (SAWS) to give the presentation. Mr. Clouse stated that SAWS is submitting this bed and banks (B&B) application to convey and reuse return flows derived from privately owned groundwater. SAWS intends to reuse 50,000 acre feet of its B&B authorized return flows, less carriage losses, solely for instream use in Bexar, Wilson, Karnes, Goliad, Victoria, Refugio and Calhoun Counties. SAWS intends to use the remainder of its B&B authorized return flows for municipal, agricultural, industrial, mining, and instream use in Bexar, Wilson, Karnes, Goliad, Victoria, Refugio and Calhoun counties. Through this application SAWS is requesting a single diversion point near the mouth of the Guadalupe River.

The wastewater treatment plants in San Antonio produce, in a dry year, about 130,000 ac-ft of water. SAWS allocates 25,000 ac-ft of water to the direct reuse purple pipe recycle system, 50,000 ac-ft to CPS Energy and the remainder (50,000 ac-ft +) is provided to the environment, released into the streams. The water discussed in the permit application is groundwater and is consistent with the wishes of the 1988 City of San Antonio Regional Water Resources Plan. The report developed designated 55,000 ac-ft of water to flow past the Falls City gage on an annualized basis and is consistent with environmental flow standards.

Mr. Clouse stressed those surface water permits issued with reliance on effluent coming from the wastewater treatment plant will be protected and SAWS is not infringing on those permits in any way. The application is focused on groundwater-based effluent SAWS is already discharging potentially being dedicated for environmental purposes under a Bed and Banks authorization. This permit application process may take up to a year or so.

Mrs. Scott asked Mr. Clouse for clarification on the 261,000 ac-ft of water. Currently, SAWS does not need a permit if it chose to use the future flow for direct reuse, which is authorized with the groundwater based component. So this permit application gives SAWS the ability to potentially discharge and keep up to 50,000 ac-ft of water in the streams to provide environmental benefits all the way down to the San Antonio Bay.

After Mr. Clouse's presentation, Mr. Murphy began to give GBRA's opinion on the SAWS bed and banks permit application, at which time Mr. Mims asked the discussion be held for a more appropriate date and time, such as the May meeting. Mr. Mims asked the Planning Group if they would like to see a panel discussion on this topic on the May agenda, which the Planning Group members approved. Mrs. Scott asked that she be able to sit on the panel discussion to speak from the GSA BBASC perspective, as dedication of wastewater return flows is listed as a Strategy in the approved GSA BBASC Work Plan for Adaptive Management and would like for the permit application to be seen from the context of the Senate Bill 3 (SB3) process as well. The Planning Group agreed and Mr. Mims asked the Administrator to add a panel discussion regarding SAWS' Bed and Banks Permit Application on the May agenda.

#### **AGENDA ITEM NO. 7: Discussion and Appropriate Action Regarding Authorizing Administrator to Begin Soliciting Nominations for SCTRWPG Water District Vacancy (Term Expires August 2016)**

Mr. Mims informed the Planning Group of Mike Mahoney's resignation as of the previous Planning Group meeting. With the resignation, Mr. Mahoney leaves a vacancy in the Water District Interest category. There are three options before the Planning Group today; (1) the Planning Group may choose not to replace the voting member, (2) choose to seek nominations to fill the Water District vacancy, or (3) choose to change the vacancy to a different Interest category and seek nominations to fill that Interest category.

There were no objections by Planning Group members to keep the Interest category as a Water District vacancy and to seek nominations to fill the vacancy.

Erin Newberry, SARA, provided an overview of the proposed schedule for accepting nominations. A draft copy of the Public Notice was in the agenda packet for review as well as a tentative schedule of the nomination process and a copy of the current members' terms of office.

#### **AGENDA ITEM NO. 8: Texas Water Development Board (TWDB) Communications**

Mr. Mims introduced David Meesey who will be the new TWDB representative to Region L. Mr. Meesey also introduced Dr. Larry French, Groundwater Division Director for TWDB. Dr. French accompanied Mr. Meesey to the Planning Group meeting to answer any questions the Planning Group may have regarding groundwater issues.

Mr. Meesey provided an update on changes that have taken effect with the passing of Proposition 6. Remaining actions in 2014, TWDB will post instructions for using SWIFT on the TWDB website, by June 1, 2014 Planning Groups must have the first draft of prioritized WMS delivered to TWDB for review and comment and the final list must be submitted by September 1, 2014. By December 1, 2014, TWDB provides a report to the Governor and the Legislature for the regarding the use of SWIFT funds for WMS. The TWDB must adopt rules for allocating

SWIFT funds for specific purposes and for prioritizing projects. Initially Prepared Plans (IPP) are due to TWDB by the Planning Groups by May 1, 2015. In January 2016, the approved 2016 Regional Water Plans (RWP) with a project priority list will be submitted to TWDB and taken to the Legislature and by December 1, 2016, TWDB will submit a report to the Governor and the Legislature regarding the use of SWIFT funds for the 2016 RWPs and progress that has been made.

During project prioritization, Planning Groups must consider decade of need, project feasibility which includes the availability of water rights, project viability, project sustainability, and cost effectiveness.

#### **AGENDA ITEM NO. 9: Report, Discussion and Appropriate Action from Carrizo Aquifer Water Management Strategies Work Group - Greg Sengelmann, Chair**

Mr. Sengelmann provided a status report on work group actions to date on the Carrizo Aquifer WMS work group and restated the work group charge, which was also included in the Summary of Activities and Recommendations in the agenda packet.

Mr. Sengelmann outlined the TWDB memo, "Water for Texas: The Role of Modeled Available Groundwater in Regional Water Planning", also included in the agenda packet, and informed the Planning Group the constraints the work group had to work with to formulate today's recommendations.

In order to accomplish its charge, the workgroup established procedures for compliance with TWDB rules and guidance for the regional water planning, developed explanatory language to protect the interests of all concerned and formulated the recommendations presented today. The group compiled available information on modeled available groundwater (MAGs), exempt and grandfathered water uses, and production permits by aquifer, county, and groundwater conservation district. MAG values were acquired from the TWDB, as approved by the Groundwater Management Areas (GMAs).

After evaluating the compiled information, the consensus of the work group was it should be assumed all allocated groundwater will eventually be used, thus full allocated amounts should be used for planning rather than projected pumpage amounts. If permitted water is not being used by a permit holder, it can be assumed that someone else may purchase the permit or lease the rights to produce groundwater under the permit.

The work group then agreed that for aquifers in counties in which allocated groundwater is less than the MAG, the Planning Group may rely on the full permit amounts for existing uses and potentially feasible WMSs. Additionally, the MAG amount less the allocated groundwater amount can be available for WMSs to the extent they require new permits. However, for counties in which allocated groundwater exceeds the MAG, the work group addressed four key questions:

1. How to address allocated groundwater use in excess of the MAG when determining existing supplies?
2. How to plan for potentially feasible WMSs where allocated groundwater exceeds the MAG?

3. How to plan for potentially feasible WMSs where allocated groundwater is less than the MAG, but allocated groundwater plus WMSs exceeds the MAG?
4. How to present the technical evaluations of potentially feasible WMSs with firm supplies proportionately reduced or shown as zero for MAG compliance?

Mr. Sengelmann asked Brian Perkins, HDR Engineering, to review the Carrizo Aquifer Work Group Recommendation presentation with the Planning Group in which the above questions were answered, examples of the various scenarios were provided and six recommendations were presented.

1. When allocated groundwater exceeds the MAG in any decade, the Workgroup recommends that exempt use be maintained at the full estimated amount, while the permitted and grandfathered use amounts are reduced proportionately for planning purposes so that the total firm supply equals the MAG.
2. Where potentially feasible WMSs are contemplated that require new permits and allocated groundwater exceeds the MAG, show a firm supply of zero in the plan for the WMSs for planning purposes, but explain that groundwater for the WMSs may be obtained under existing permits through the Carrizo/Wilcox Transfers WMS or under new permits issued in accordance with GCD rules.
3. Where potentially feasible WMSs are contemplated that require new permits and allocated groundwater is less than the MAG, but allocated groundwater plus WMSs exceeds the MAG, show firm supplies of no more than the difference between allocated groundwater and the MAG in the plan for planning purposes, but explain that supplemental groundwater for the WMSs may be obtained under existing permits through the Carrizo/Wilcox Transfers WMS or under new permits issued in accordance with GCD rules.
4. For potentially feasible WMSs with firm supplies proportionately reduced or shown as zero for MAG compliance, evaluate facilities and costs for WMSs at both the reduced firm supply value associated with MAG compliance without transfers and at the supply amount that the sponsor seeks to develop.
5. For existing groundwater supplies that are fully permitted, or grandfathered, by a GCD and are proportionately reduced in quantity for planning purposes in this Plan for MAG compliance, include the following explanatory note in the regional water plan document and database at appropriate locations:

*For each aquifer in the region, the GCDs have adopted desired future conditions (DFCs). In some GCDs, full use of all groundwater supplies (permitted, grandfathered and exempt) may result in non-achievement of the DFCs for an aquifer. To ensure consistency with the DFCs, TWDB currently requires that groundwater availability for each aquifer be limited for planning purposes to the modeled available groundwater (MAG) for the aquifer. This has resulted, for planning purposes only, in adjustments to supply amounts in this plan for some areas for certain time periods. This should not be construed as recommending or requiring that GCDs make these adjustments. SCTRWPG recognizes and supports the ability of permit holders to exercise their rights to groundwater use in accordance with their permits and it recognizes and supports the GCDs'*

*discretion to issue permits and grandfather historical users for amounts in excess of the MAG. SCTRWPG may not modify groundwater permits that GCDs have already issued or limit future permits that GCDs may issue. If the MAG is increased during or after this planning cycle, SCTRWPG may amend this Plan to adjust groundwater supply numbers that are affected by the new MAG amount.*

6. For potentially feasible WMSs that have GCD permits for a portion of the needed supply and the remainder is not yet permitted, include the following explanatory note in the regional water plan document and database at appropriate locations:

*For each aquifer in the region, the GCDs have adopted desired future conditions (DFCs). In some GCDs, full use of all groundwater supplies (permitted, grandfathered and exempt) may result in non-achievement of the DFCs for an aquifer. To ensure consistency with the DFCs, TWDB currently requires that groundwater availability for each aquifer be limited for planning purposes to the modeled available groundwater (MAG) for the aquifer. This has resulted, for planning purposes only, in adjustments to permit amounts, and a lack of firm water available for future permits in this plan for some areas for certain time periods. This should not be construed as recommending or requiring that GCDs make these adjustments, or deny future permit applications. SCTRWPG recognizes and supports the ability of permit holders to exercise their rights to groundwater use in accordance with their permits and it recognizes and supports the GCDs discretion to issue permits and grandfather historical users for amounts in excess of the MAG. SCTRWPG may not modify groundwater permits that GCDs have already issued or limit future permits that GCDs may issue. If the MAG is increased during or after this planning cycle, SCTRWPG may amend this Plan to adjust groundwater supply numbers that are affected by the new MAG amount.*

Mrs. Scott asked Mr. Perkins if HDR Engineering will be able to show the Planning Group where additional water management strategies utilizing other sources of water will be required due to the lack of groundwater availability. Mr. Perkins stated HDR Engineering would be able to provide that information by the May meeting if today's recommendations were approved by the Planning Group.

Mrs. Wassenich repeated the language used in Recommendations 5 and 6, "SCTRWPG recognizes and supports the ability of permit holders to exercise their rights to groundwater use in accordance with their permits and it recognizes and supports the GCDs discretion to issue permits and grandfather historical users for amounts in excess of the MAG." and asked Mr. Sengelmann why the Planning Group had to support the GCD's discretion to issue permits and grandfather historical users for amounts in excess of the MAG. Mr. Sengelmann stated it was to protect the permit holders and the groundwater districts, especially when it comes to proportionately reducing allocated groundwater that exceeds the MAG for planning purposes.

Mr. Mims asked the Planning Group if there was any objection to the six recommendations presented today. There were no objections and the recommendations were approved by consensus. Mr. Mims thanked the work group and technical consultants for the extensive work that was needed to work through the issues and develop the recommendations.

**AGENDA ITEM 10: Discussion and Appropriate Action Regarding Consultants Work and Schedule**

Mr. Perkins, HDR Engineering, presented an update on the schedule for work plan development highlighting upcoming Planning Group deadlines, as well as revisions by TWDB to some of the deadlines and activities. Mr. Perkins also provided an update on the potential issues to the planning process that HDR and the Administrator are tracking, as well as an update to the budget.

**AGENDA ITEM NO. 11: 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**

At the November 7<sup>th</sup>, 2013 Planning Group Meeting, HDR Engineering received authorization to begin drafting scopes of work and budgets for seven additional WMS: 1) Carrizo Transfers, 2) Brush Management, 3) Recycled Water Management Strategy - Amendment, 4) Hays County – Four Star Water, 5) Regional Water Supply Project – RFCSP (SAWS), 6) Regional Brackish Wilcox Project – Alternative (SAWS), and 7) Carrizo/Buda/Austin Chalk/Leona & Regional ASR (City of Uvalde).

Mr. Perkins presented the results to the Planning Group, reviewing each WMS and budget for evaluation with the exception of the Regional Water Supply Project – RFCSP (SAWS). Based on recent information, SAWS agreed to waiting until the May meeting to ask the Planning Group to approve the draft scope of work and budget for submittal to TWDB on this potential water management strategy. Mr. Mims reminded SAWS of the risks associated with waiting past the May meeting to submit this potentially feasible water management strategy for scope and budget and possible inclusion into the regional water plan.

**AGENDA ITEM NO. 12: Discussion and Appropriate Action Regarding Authorizing Political Subdivision to Submit Request for Notice-to-Proceed for Evaluation of Seven Water Management Strategies and Authorize Administrator to Execute Contract Amendment with TWDB**

Mr. Middleton made a motion to authorize the San Antonio River Authority, as Administrator, to submit a request for Notice-to-Proceed #4 for the evaluation of six WMSs presented by HDR Engineering, and execute a contract amendment with TWDB. Tom Taggart seconded the motion. The motion carried by consensus.

**AGENDA ITEM NO. 13: 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**

Sam Vaughn, HDR Engineering, requested Planning Group authorization to begin drafting scopes of work and budgets for three additional WMS: 1) Storage Above Canyon Reservoir, 2) HCPUA/TWA Joint WMS Project, 3) a surface water component to the HCPUA/TWA Joint WMS at GBRA's request. In addition to the three additional WMS' listed, Mr. Vaughn will complete the

draft scope of work and budget for the WMS previously authorized by the Planning Group, the Regional Water Supply Project – RFCSP (SAWS).

Mr. Taggart asked Mr. Mims if Graham Moore, HCPUA Agency Manager, may speak on behalf of the HCPUA/TWA Joint WMS Project. Mr. Moore thanked the Planning Group for the consideration of the HCPUA/TWA Joint WMS Project and stated GBRA's request today to have HDR Engineering draft a scope of work and budget for a surface water component to HCPUA's project is the first time HCPUA has heard of this request (WMS #3 listed above). HCPUA's board has not considered surface water as a possibility with this project. Therefore HCPUA's board would not like to see inclusion of GBRA's request for surface water as a possible water management strategy with HCPUA and TWA's joint project. Mr. Murphy, GBRA, stated a conjunctive use project has always been studied and a Recommended WMS and GBRA thought the HCPUA/TWA project would be a great opportunity to use the most current data and update the current conjunctive use strategy with the information from the joint HCPUA/TWA project. GBRA has not received authorization from HCPUA or TWA at this time and both HCPUA and TWA currently have permits.

Mr. Mims asked the Planning Group if there were any objections to authorize HDR Engineering to begin drafting a scope of work and budget for HCPUA/TWA Joint WMS Project. The Planning Group had no objections. The motion carried by consensus.

After Planning Group discussions, Mr. Mims recommended all principals involved (HCPUA, TWA and GBRA) meet between now and the May meeting and come back to the Planning Group with a final decision on a joint project, with or without a surface water component for an updated conjunctive use strategy for GBRA.

Mr. Mims asked the Planning Group if there were any objections to authorize HDR Engineering to begin drafting a scope of work and budget for the Storage Above Canyon Reservoir. There were no objections by the Planning Group. The motion carried by consensus.

#### **AGENDA ITEM NO. 14: Discussion and Appropriate Action Regarding Evaluation of Water Management Strategies**

Before proceeding with the technical evaluations, Mr. Mims reminded the Planning Group that decisions on whether a WMS presented would be Recommended, Alternate or Needs Further Study will need to be made by November 2014. During the technical consultants' presentation of technical evaluations, Planning Group members are encouraged to ask questions or provide comment. At a future meeting(s), HDR Engineering will ask the Planning Group for recommendations on each strategy (Recommended, Alternative or Needs Further Study) as the technical consultants compile the draft IPP for Planning Group review and authorization.

Mr. Vaugh presented the technical evaluations for the Edwards Aquifer Habitat Conservation Plan and the Edwards Transfers WMSs.

Mr. Perkins presented the technical evaluations for Municipal Water Conservation, Advanced Meter Infrastructure, Direct Recycled Water Programs, CRWA Siesta Project, New Braunfels Utilities ASR Project, and GBRA New Appropriation (Lower Basin).

Mr. Vaugh presented the technical evaluation for the GBRA Mid-Basin Water Supply Project. Mr. Vaugh stated there were four different strategies being pursued in parallel of this project:

Surface Water and Reservoir, Surface Water and Aquifer Storage Recovery (ASR), Conjunctive Use, and a Groundwater Strategy which would be the first step in a Conjunctive Use Strategy. The surface water component also relates to a pending surface water application and the strategy was evaluated consistently with and within the constraints of what was in that application. Of the four strategies being pursued, the hopes are one will become the Recommended WMS and the remainder Alternate WMS.

**AGENDA ITEM NO. 15: Possible Agenda Items for the Next South Central Texas Regional Water Planning Group Meeting**

Mr. Mims proposed the following agenda items for the May 1<sup>st</sup>, 2014 Planning Group Meeting:

- EAHCP Update
- Status of SB3, Environmental Flows Process
- Report, Discussion and Appropriate Action from Project Prioritization Work Group
- Bed and Banks Panel Discussion
- WMS Technical Evaluations

**AGENDA ITEM NO. 16: Public Comment**

Recommended for approval.

---

GARY MIDDLETON, SECRETARY

Approved by the South Central Texas Regional Water Planning Group at a meeting held on May 1<sup>st</sup>, 2014.

---

CON MIMS, CHAIR



### **AGENDA ITEM 3**

Discussion and Appropriate Action Regarding Nominations to fill  
vacant Water District voting member (term expires 2016)

**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP**  
**MEMBERS' TERMS OF OFFICE**  
**March 1, 2014**

<b>Member Name</b>	<b>Position</b>	<b>Interest Represented</b>	<b>Term Expires</b>
<b>Executive Committee</b>			
Con Mims	Chair	River Authorities	2016
Tim Andruss	Vice Chair	Water Districts	2018
Gary Middleton	Secretary	Municipalities	2016
Donna Balin	At-Large	Environmental	2016
VACANT	At-Large		
Dianne Wassenich		Public	2018
Iliana Pena		Environmental	2016
Will Conley		Counties	2018
John Kight		Counties	2016
Robert Puente		Municipalities	2016
Tom Taggart		Municipalities	2016
Gená Leathers		Industries	2018
Rey Chavez		Industries	2016
Alan Cockerell		Agricultural	2016
Milton Stolte		Agricultural	2016
Blair Fitzsimons		Agricultural	2018
Doug McGooky		Small Business	2018
David Roberts		Small Business	2018
Kevin Janak		Elec. Generating Utilities	2016
Bill West		River Authorities	2016
Suzanne Scott		River Authorities	2018
Roland Ruiz		Water Districts	2018
Greg Sengelmann		Water Districts	2018
VACANT		Water Districts	2016
Steve Ramsey		Water Utilities	2018
Gene Camargo		Water Utilities	2018
Vic Hilderbran		GMA 7	Indefinite
Don Dietzmann		GMA 9	Indefinite
Daniel Meyer		GMA 10	Indefinite
Diane Savage		GMA 13	Indefinite
Art Dohmann		GMA 15	Indefinite

## SCTRWPG Nominations April 2014

SCTRWPG Nominations April 2014	
Nominee	Interest Category
Herb Williams GM, SS Water Supply Corporation	Water Districts
Mike Cox, Cattle Rancher	Water Districts
Russell Labus GM, Evergreen Underground Water Conserv. Dist.	Water Districts
Kenneth Greenwald Retired Aircraft Maintenance Supv.	Water Districts



## SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP

Nomination for Interest Group (check one):

- ☐ Agriculture, ☐ Counties, ☐ Electric Generating Utilities, ☐ Public, ☐ Small Business  
☐ Environmental, ☐ Industries, ☐ Municipalities, ☐ River Authorities, ☐ Water Districts  
☐ Water Utilities

NOMINATOR

NAME: David Davenport, Canyon Regional Water Authority

ADDRESS: 850 Lakeside Pass, New Braunfels, TX 78130 PHONE (830) 609-0543

FAX (830) 609-0740 EMAIL: [crwa@crwa.com](mailto:crwa@crwa.com)

OCCUPATION General Manager, Canyon Regional Water Authority

NOMINEE

NAME: Herbert V. Williams Jr

ADDRESS: 4295 FM 775 LaVernia, Texas 78121

PHONE: (210) 833-2038 FAX: (830) 779-5122 EMAIL: [hwilliams@sswater.net](mailto:hwilliams@sswater.net)

INTEREST AREA: Water Districts

COUNTY: Wilson, Guadalupe, Comal, Hays, Caldwell,

OCCUPATION: General Manager, S S Water Supply Corporation

### PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION:

Nine years of water utility planning and infrastructure growth in a fast population growth section of South Texas. Herb's planning work has been recognized state-wide by the Texas Rural Water Association as a sound and effective method of identifying current requirements, forecasting future demands, developing and implanting solutions, and funding all requirements. His strong background in utility planning is the product of a 30 year US Air Force career in the Civil Engineering business where he planned for several contingencies around the globe and managed several utility systems at Air Force installation in State-Side and Overseas locations.

Education: Master of Science Degree in both Business and Public Administration.

Bachelor of Science in Management and Human Resources

Associates of Applied Science in Ecological Controls and Hazardous Waste Management

Utility Management Certification

Board Experience: Director for Emergency Services District, Wilson County Texas (2008 –2011)

Director – Randolph Brooks Credit Union (2001-2005) (Continued on following page)

### PLEASE LIST ANY PERTINENT AFFILIATIONS:

Texas Rural Water Association Member and Instructor, Texas Water Utility Association Member, Member-American Water Works Association, Several academic awards: Valedictorian and speaker at Park University graduation, Who's Who among University Students, and 4.0 GPA throughout his graduate program.

**PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED**

Nominations must be received by **5:00 p.m., Friday, March 28, 2014** addressed to Con Mims, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. 839980, San Antonio, Texas 78283-9980: Faxed to (210) 302-3692 or email to [enewberry@sara-tx.org](mailto:enewberry@sara-tx.org)

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION: (Continued)**

Herb has 33-years of experience in leadership and management positions and the majority of this time was spent in top management and high profile positions. In every position, Herb is known as a team builder who inspires others to perform beyond expectations, encourages participation through respect of each team member, and keeps the team focused on the organization's goals.

**Character Strengths:** In every position and throughout his career, he has served with dignity, distinction and integrity. First his goal is to build on a life-long career of service to the public sector as evident in his military service record and his performance in the water industry. He treats each and every person who he meets with dignity and respect. In one of his senior leadership positions, Herb was responsible for the health, welfare and moral of over 32,000 individuals. In every phase of his career, he has served with distinction. His many military awards and recognitions set him on a course for early leadership and management positions. His academic distinctions set him on a course for success. In his current position as SS WSC General Manager he has earned respect from many organizations throughout the State as an expert planner and utility manager. It is not uncommon for him to receive calls from other utilities asking for his advice on a current problem or plans. He always operates with an impeccable set of self-imposed standards of integrity. He will bring these character strengths with him as a Director of Region L. He is a great choice for this position! Herb is a "people person" and an active team member! He has a unique ability to handle very tense and complex situations with ease and professionalism when working with customers, staff, vendors, and other organizations. He will be a definite plus on your Board of Directors.



850 Lakeside Pass Drive  
New Braunfels, Texas 78130

March 27, 2014

Mr. Con Mims  
South Central Texas Regional Planning Group  
Region L  
c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

Dear Con,

The Board of Canyon Regional Water Authority has elected to nominate Mr. Herb Williams with SS Water Supply Corporation to the Region L Planning Group under the position of Water Districts. Herb has been a member of the Board of Managers for Canyon Regional for many years and we feel his expertise would represent Special District's interest well.

As you are aware, our organization is comprised of several Special Districts. Some of these are East Central SUD, Green Valley SUD, County Line SUD, and Crystal Clear SUD. Canyon Regional is even a Special District that is defined under this Water Districts category. Even though that Herb works for a Water Supply Corporation, we feel that his knowledge would make him a good representative. As you also may be aware, these types of Districts are not represented in Region L. We are not included and cannot nominate under Water Utilities. This category has traditionally been filled by Groundwater Districts which is currently represented by two other representatives. Also Groundwater Districts are represented under the GMA 13 category.

I would like to also point out that Canyon Regional projects and demands represent past and present growth areas in the planning process. We feel that Mr. Williams would make a very good candidate for this position and recommend him highly.

As always, thank you and your Board for this consideration.

Yours truly,

David J. Davenport  
General Manger



Water for a Better Life  
Since 1963

P.O. Box 99  
(830) 914-2330  
Website: [www.gvsud.org](http://www.gvsud.org)

Marion, TX 78124-0099  
FAX: (830) 420-4138  
TDD: 1-800-735-2988

March 27, 2014

Mr. Con Mimms  
South Central Texas Regional Planning Group  
Region L  
c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

Dear Con,

Green Valley Special Utility District would like to recommend Mr. Herb Williams with SS Water Supply Corporation to the Region L Planning Group under the position of Water Districts. Green Valley SUD has worked with Herb on the Canyon Regional Board as well as Regional Water Alliance Group. Herb has great knowledge in the difficulties we face regarding our water needs. For this reason I feel Herb would be a great representative for the Special Utility District's.

Thank you,

Pat Allen  
General Manager  
Green Valley Special Utility District



# East Central Special Utility District

P.O. Box 570

Adkins, Texas 78101-0570

Phone 210-649-2383 Fax 210-649-1462

March 28, 2014

Mr. Con Mims  
South Central Texas Regional Planning Group  
Region L  
c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

Dear Mr. Mims:

East Central Special Utility District supports the nomination of Herb Williams as a member of the Planning Group. As being the General Manager of SSWSC he understands the problems facing WSCs. He knows the working of a Ground Water District do to his dealing with the Evergreen Ground Water District. Being a member of Canyon Regional Water Authority he has dealings with Water Districts and Special Utility Districts. Because of his time in the military he knows the meaning of team work.

East Central SUD feels that Mr. Williams would be a valuable asset to the Region L Planning Group. We appreciate your consideration of his appointment to the Board. If there are any questions please contact me at 210 559-4278.

Thank you.

Sincerely,



Albert A Strzelczyk, Jr.  
General Manager ECSUS



2370 FM 1979, San Marcos, Texas 78666 830-372-1031

March 27, 2014

Mr. Con Mims  
South Central Texas Regional Planning Group  
Region L  
c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

Mr. Mims,

As a member of the Board of Managers for Canyon Regional, I wish to add Crystal Clear's support to the nomination of Mr. Herb Williams with SS Water Supply Corporation to the Region L Planning Group. Herb is a hard working member of the Board of Managers for Canyon Regional who we feel is well qualified to represent Special Districts to the Region L Planning Group.

We believe that Special Districts deserve a person with Herb's experience and qualifications to represent them in the vital planning process that you chair. After you review his experience and qualifications, we believe that you will come to realize what a valued addition Herb will be to your group.

Thank you and your Board for this consideration.

Yours truly,

A handwritten signature in blue ink that reads "Mike Taylor". The signature is written in a cursive, flowing style.

Mike Taylor  
General Manager

COUNTY LINE SPECIAL UTILITY DIST.  
131 S. CAMINO REAL  
UHLAND, TX 78640  
512-398-4748

March 28, 2014

Mr. Con Mims  
South Central Texas Regional Planning Group  
Region L  
c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

Mr. Mims,

The Board of Directors of CLSUD wishes to support the nomination of Mr. Herb Williams with SS Water Supply Corporation to the Region L Planning Group under the position of Water Districts. Mr. Williams would represent our interest and the interests of all water purveyors in this region in a professional and thoughtful manner.

Thank you and the group for your consideration.

A handwritten signature in black ink, appearing to read "Daniel R. Heideman". The signature is fluid and cursive, written over a horizontal line.

Daniel R. Heideman  
General Manager



**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP**

**Nomination for Interest Group (check one):**

- ☐ Agriculture, ☐ Counties, ☐ Electric Generating Utilities,  
☐ Environmental, ☐ Industries, ☐ Municipalities, ☐ River Authority, ☒ Water Districts

**NOMINATOR**

NAME: HTG-CD Board of Directors (Contact: Rick Braun)  
ADDRESS: 14101 Hwy 290 W. Bldg 100, Suite 208 Austin TX 78737  
PHONE: (512) 858-9253 FAX: (512) 858-2384 EMAIL: manager2@haysgroundwater.com  
OCCUPATION: General Manager for Hays Trinity Groundwater C.D.

**NOMINEE**

NAME: Mike Cox  
ADDRESS: 2701 Lone Man Mtn. Rd. Driftwood TX 78619  
PHONE: (512) 923-2596 FAX: — EMAIL: coxmikey@usa.net  
INTEREST AREA: Water Districts  
COUNTY: Hays  
OCCUPATION: Cattle Rancher

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION:**

Since his retirement as Division Administrator, International Operations, Saudi Aramco Mr. Cox has dedicated himself to community service. Currently serves as a member of Board of Directors for Hays Trinity Groundwater Conserv. Dist.  
(Continued below)

**PLEASE LIST ANY PERTINENT AFFILIATIONS:**

Elected member of Board for Hays Trinity Groundwater Conservation District

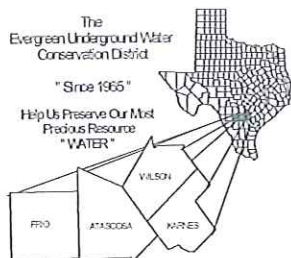
**DATE SUBMITTED:** March 28, 2014

**PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED**

Nominations must be received by 5:00 p.m., Friday, March 28, 2014 addressed to Con Mims, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. 839980, San Antonio, Texas 78283-9980: Faxed to (210) 302-3692 or email to [enewberry@sara-tx.org](mailto:enewberry@sara-tx.org)

Currently serves as member of Board of Directors for Texas School Safety Center. Currently serves as vice chair of Texas State Rifle Assoc. Legislative Committee. Past President of Wimberley area Emergency Services District 7. Past President of Blanco Volunteer Ambulance Service.





## EVERGREEN UNDERGROUND WATER CONSERVATION DISTRICT

110 Wyoming Blvd.  
Pleasanton, Texas 78064

Phone: 830-569-4186

Fax: 830-569-4238

Steve Snider  
President  
Wilson County

Clifton Stacy  
Vice-President  
Frio County

Blaine Schorp  
Secretary/Treasurer  
Frio County

Frank Kruciak  
Director  
Karnes County

Jason Peeler  
Appointed Director  
Wilson County

Diane Savage  
Director  
Wilson County

Craig Nieschwietz  
Director  
Karnes County

Larry Fox  
Director  
Atascosa County

Jay Troell  
Director  
Atascosa County

Russell Labus  
General Manager

Melissa Gonzalez  
District Secretary  
Bookkeeper

John West  
Field Technician

Christopher  
McFarlane  
Field Technician

Matthew Pope  
Field Technician

March 21, 2014

Mr. Con Mims, Chair  
South Central Texas Regional Water Planning Group  
c/o San Antonio River Authority: Erin Newberry  
P.O. Box 839980  
San Antonio, TX 78283-9980

Re: Water District Nomination

Planning Group Members:

Based on formal action taken at a Board Meeting held on March 21, 2014, the Evergreen Underground Water Conservation District (EUWCD) has nominated Russell Labus to fill an upcoming vacancy in the Water District interest group. Mr. Labus is the General Manager of the EUWC. A resolution passed by the EUWCD and nomination form are attached.

If you have any questions we can be reached by email at [russell.labus@evergreenuwcd.org](mailto:russell.labus@evergreenuwcd.org) or by phone at 830-569-4186.

Sincerely,

Steve Snider, President

**RESOLUTION NO. 2014-02**

**A RESOLUTION OF THE EVERGREEN UNDERGROUND WATER CONSERVATION  
DISTRICT  
TO NOMINATE A VOTING MEMBER TO THE SOUTH CENTRAL TEXAS REGIONAL  
WATER PLANNING GROUP (REGION L) FOR WATER DISTRICT POSITION**

**WHEREAS**, the Evergreen Underground Water Conservation District wishes to express its support for the nomination of Russell Labus for the Water District Position on the South Central Texas Regional Water Planning Group (Region L); and

**WHEREAS**, the Evergreen Underground Water Conservation District recommends and approves the nomination of Russell Labus to fill the vacant position and will provide valuable service in the position,

**NOW, THEREFORE IT BE RESOLVED** that the Evergreen Underground Water Conservation District endorses and supports Russell Labus for the Region L Water Planning Group position as South Central Texas Regional Water Planning Group Water District Representative.

**PASSED** and **ADOPTED** on this 21<sup>st</sup> day of March, 2014.

BY:

  
Steve Snider, President

ATTEST:

  
Blaine Schorp, Secretary/Treasurer

---



SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP

Nomination for Interest Group (check one):

- ☐ Agriculture, ☐ Counties, ☐ Electric Generating Utilities,  
☐ Environmental, ☐ Industries, ☐ Municipalities, ☐ River Authority, ☒ Water Districts

NOMINATOR

NAME: EVERGREEN UNDERGROUND WATER CONSERVATION DISTRICT  
ADDRESS: 110 WYOMING BLVD. PLEASANTON, TX 78064  
PHONE: 830-569-4186 FAX: 830-569-4238 EMAIL: Russell.labus@evergreenuwcd.org  
OCCUPATION: \_\_\_\_\_

NOMINEE

NAME: RUSSELL LABUS  
ADDRESS: 110 WYOMING BLVD. PLEASANTON, TX 78064  
PHONE: 830-569-4186 FAX: 830-569-4238 EMAIL: Russell.labus@evergreenuwcd.org  
INTEREST AREA: WATER DISTRICTS / GROUNDWATER RESOURCES  
COUNTY: KARNES, WILSON, ATASCOSA, FRIO  
OCCUPATION: GROUNDWATER DISTRICT GENERAL MANAGER

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION:

General Manager of Evergreen Underground Water Conservation District. Member of Groundwater Management Area 13.  
Voting member of Groundwater Management Area 15 for Karnes County. Active in Texas Alliance of Groundwater Districts.

PLEASE LIST ANY PERTINENT AFFILIATIONS:

Texas Alliance of Groundwater Districts

Texas Water Conservation Association

South Texas Weather Modification Association

DATE SUBMITTED: MARCH 27, 2014

*PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED*

Nominations must be received by **5:00 p.m., Friday, March 28, 2014** addressed to Con Mims, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. 839980, San Antonio, Texas 78283-9980: Faxed to (210) 302-3692 or email to [enewberry@sara-tx.org](mailto:enewberry@sara-tx.org)

**RUSSELL J. LABUS**  
**18644 North FM 81**  
**P.O. Box 205**  
**Hobson, Texas 78117**  
**Russell.labus@evergreenuwcd.org**  
**Work Phone: (830) 569-4186**

---

**EDUCATION:**           **Karnes City High School – 1979**  
  
                                 **Texas A&M University**  
                                 **Bachelor of Science in Agricultural Engineering - 1983**

**ADDITIONAL:**           **ArcGIS training**

**WORK HISTORY:**

**Red Ewald, Inc. Karnes City, TX (3 years)**

- FRP Process Vessel Design Engineer

**Diamond Fiberglass Fabricators, Inc. Victoria, TX (20 years)**

- Engineering Manager
- Owner / One of 5 founding partners
- Corporate Secretary – Board of Directors

**Carbon Silica Partners LP, dba Diamond Fiberglass Fabricators - Victoria, TX (3 years)**

- Engineering Manager

**Precision Composites Inc, Kenedy, TX (3 years)**

- Owner / President

**Evergreen Underground Water Conservation District (present)**

- General Manager

**AFFILIATED ORGANIZATIONS:**

- Texas Alliance of Groundwater Districts
  - Texas Water Conservation Association
  - Groundwater Management Area 13
  - Groundwater Management Area 15
  - South Texas Weather Modification Association
-

March 28, 2014

Con Mims  
Chair, South Central Texas RWPG  
c/o San Antonio River Authority  
Attn: Julia Velez  
P.O. 839980  
San Antonio, Texas 78283-9980

**Re:     Region L Nomination for Water District Planning Group Membership**

Dear Mr. Mims:

The general Manager of the Gonzales County Underground Water Conservation District wishes to express his support for the nomination of Russell Labus for the vacant Water District Position on the South Central Texas Regional Water Planning Group (Region L).

I believe Mr. Labus has the qualifications to fill the vacant position and will provide valuable service in the position. As an employee of the Evergreen Underground Water Conservation District he has had the opportunity to work with Mr. Mike Mahoney, a former Region L Planning Group Member, on relevant water issues within the Region L area.

I have attached the required nomination form. If you have any questions concerning this nomination please contact me by phone at 830.672.1047 or by email at [greg.sengelmann@gcuwcd.org](mailto:greg.sengelmann@gcuwcd.org).

Sincerely,

*Greg Sengelmann*

Greg Sengelmann, P.G.  
General Manager  
Gonzales County UWCD

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP

Nomination for Interest Group (check one):

- ☐ Agriculture, ☐ Counties, ☐ Electric Generating Utilities,  
☐ Environmental, ☐ Industries, ☐ Municipalities, ☐ River Authority, xx Water Districts

NOMINATOR

NAME: Greg Sengelmann

ADDRESS: P.O. Box 1919, Gonzales, TX 78629

PHONE: 830-672-1047

FAX: 830-672-1387

EMAIL: greg.sengelmann@scuwcd.org

OCCUPATION General Manager Gonzales County UWCD

NOMINEE

NAME: Russell Labus

ADDRESS: 110 Wyoming Blvd., Pleasanton, TX 78064

PHONE: 830-5694186

FAX: 830-569-4238

EMAIL: russell.labus@evergreenuwcd.org

INTEREST AREA: Water Districts

COUNTY: Frio, Atascosa, Wilson, Karnes

OCCUPATION: General Manager Evergreen UWCD

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION:**

General Manager of the Evergreen UWCD. Member of Groundwater Management Area 13. Voting member of Groundwater Management Area 15 for Karnes County. Active in Texas Alliance of Groundwater Districts.

**PLEASE LIST ANY PERTINENT AFFILIATIONS:**

Texas Alliance of Groundwater Districts

Texas Water Conservation Association

South Texas Weather Modification Association

DATE SUBMITTED: March 28, 2014

**PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED**

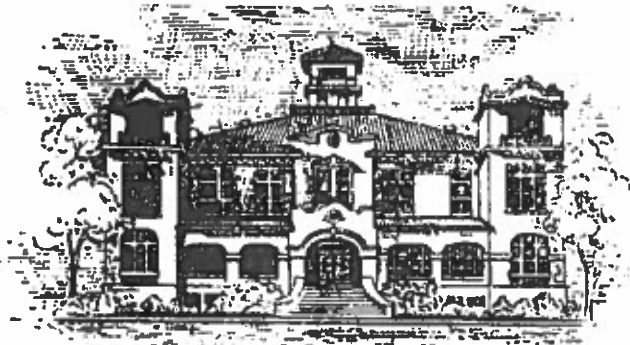
Nominations must be received by **5:00 p.m., Friday, March 28, 2014** addressed to Con Mims, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. 839980, San Antonio, Texas 78283-9980: Faxed to (210) 302-3692 or email to [enewberry@sara-tx.org](mailto:enewberry@sara-tx.org)

# County of ATASCOSA

STATE



TEXAS



JOURDANTON, TEXAS

**DIANA J. BAUTISTA**  
COUNTY JUDGE

1 Courthouse Circle Drive, Suite 101  
Jourdan, Texas 78026  
(830) 769-3093  
FAX (830) 769-2349  
atascosacountyjudge@yahoo.com

April 2, 2014

Mr. Con Mims, Chair  
South Central Texas Regional Water Planning Group (Region L)  
c/o San Antonio River Authority: Erin Newberry  
P.O. Box 839980  
San Antonio, Texas 78283-9980

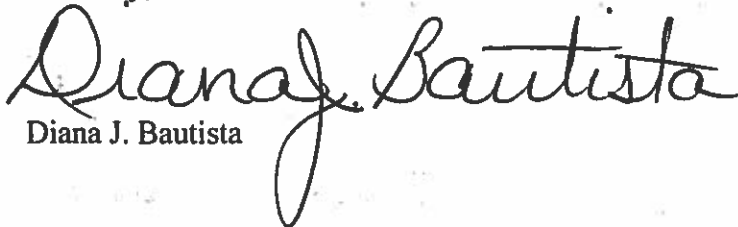
RE: Water District Nomination for Representative

Dear Mr. Mims:

This letter is a follow-up to the request of the Evergreen Underground Water Conservation District (EUWCD) for the General Manager Mr. Russell Labus nomination for an upcoming vacancy. Mr. Labus knowledge from EUWCD should and/or would be a great asset as a voting member to the South Central Texas Regional Water Planning Group (Region L).

Any and all consideration given to this matter would be greatly appreciated.

Sincerely,

  
Diana J. Bautista

## **GOLIAD COUNTY GROUNDWATER CONSERVATION DISTRICT**



118 S. Market St., P.O. Box 562, Goliad, Texas 77963-0562

Telephone: (361) 645-1716 Facsimile: (361) 645-1772

[www.goliadcogcd.org](http://www.goliadcogcd.org)

### **Board of Directors:**

**President – Raulie Irwin**

**Vice-President – Joe Kozielski**

**Secretary/Treasurer – Barbara Smith**

**Directors – Wesley Ball, John Dreier, John B. Duke, Art Dohmann**

April 3, 2014

Mr. Con Mims, Chair, SCTRWPG

c/o San Antonio River Authority

Attn: Erin Newberry

P. O. Box 839980

San Antonio, TX 78283-9980

Dear Chairman Mims,

This letter is sent in support of Russell Labus' nomination for a place on the South Central Texas Regional Water Planning Group. Mr. Labus should be chosen to fill the vacancy on the Board left at the resignation of Mr. Mike Mahoney. Since Mr. Mahoney was a representative for water districts the Board of directors of the Goliad County Groundwater Conservation District would very much like to see Mr. Labus chosen as his replacement.

Sincerely,

Barbara Smith

On behalf of the Board of Directors

Goliad County Groundwater Conservation District

# South Texas Regional Water Alliance

10882 Jarratt Road  
Atascosa, TX 78002

April 7, 2014

Con Mims, Chair  
South Central Texas Regional Water Planning Group  
c/o San Antonio River Authority  
Attn: Erin Newberry  
P.O. 839980  
San Antonio, Texas 78283-9980

Dear Mr. Mims:

I am pleased to support Russell Labus, General Manager of the Evergreen Underground Water Conservation District (EUWCD), in his nomination by the EUWCD Board of Directors to represent the interests of Water Districts on the South Central Texas Regional Water Planning Group (SCTRWPG).

My experience with Mr. Labus is that of a regional partner with respect to area water quality. His membership would enable continued direct representation in Atascosa, Frio, Wilson and Karnes counties in the Eagle Ford Shale area at a critical time for those dependent on sustainable groundwater quality.

Additionally, I believe Mr. Labus' membership would

- Continue to diversify representation for rural South Central Texas, Atascosa County by direct representation of users of the Carrizo and Queen City Aquifers
- Directly contribute to the SCTRWP's evaluation of effects associated with Eagle Ford Shale activities
- Contribute to balancing rural development priorities and municipal service delivery issues
- Support local collaborative working relationships that would benefit from representation in the state's water planning process

I would appreciate consideration of Russell Labus for this appointment.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gene Camargo', with a stylized, looping flourish at the end.

Gene Camargo, President

Atascosa Rural Water Supply, Benton City Water Supply Corporation, City of Castroville, City of Charlotte, City of Hondo, City of LaCoste, City of Natalia, City of Pleasanton, City of Poteet, City of Von Ormy, East Medina Special Utility District, McCoy Water Supply Corporation, and Yancey Water Supply Corporation





**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP**

**Nomination for Interest Group (check one):**

- ☐ Agriculture, ☐ Counties, ☐ Electric Generating Utilities,  
☐ Environmental, ☐ Industries, ☐ Municipalities, ☐ River Authority, ☒ Water Districts

**NOMINATOR**

**NAME:** Clint Ellis

**ADDRESS:** P.O. Box 930 - Schertz, TX 78154

**PHONE:** 210-658-6241 **FAX:** 210-658-5830 **EMAIL:** cellis@ccmatx.org

**OCCUPATION** General Manager of Cibolo Creek Municipal Authority

**NOMINEE**

**NAME:** Kenneth Greenwald

**ADDRESS:** 205 Westchester Dr. - Schertz, TX 78154

**PHONE:** 210-658-8057 **FAX:** 210-658-5830 **EMAIL:** kenneth.greenwald@att.net

**INTEREST AREA:** water districts

**COUNTY:** Guadalupe, Comal, Bexar

**OCCUPATION:** retired aircraft maintenance supervisor, community/area involvements

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION:**

Mr. Greenwald has been a Director (currently President) on the Board of Cibolo Creek Municipal Authority. He is president of SSLGC's Board and a member since 1996.

He is a former member of the Schertz City Council with 21 years experience.

**PLEASE LIST ANY PERTINENT AFFILIATIONS:**

Cibolo Creek Municipal Authority, SSLGC, City of Schertz, Buffalo Valley Youth Assoc.

**DATE SUBMITTED:** 3-17-2014

**PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED**

Nominations must be received by **5:00 p.m., Friday, March 28, 2014** addressed to Con Mims, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Erin Newberry, P.O. 839980, San Antonio, Texas 78283-9980: Faxed to (210) 302-3692 or email to [enewberry@sara-tx.org](mailto:enewberry@sara-tx.org)

## **AGENDA ITEM 4**

Election of Executive Committee At-Large Member for Calendar  
Year 2014

## **AGENDA ITEM 5**

Status of Edwards Aquifer Habitat Conservation Plan (HCP)

## **AGENDA ITEM 6**

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)

## **AGENDA ITEM 7**

Texas Water Development Board (TWDB) Communications

## **AGENDA ITEM 8**

Chair's Report

## **AGENDA ITEM 9**

Discussion and Appropriate Action Regarding Adoption of Code of  
Conduct



c/o San Antonio River Authority  
P.O. Box 839980  
San Antonio, Texas 78283-9980

(210) 227-1373 Office  
(210) 302-3692 Fax  
[www.RegionLTexas.org](http://www.RegionLTexas.org)

#### EXECUTIVE COMMITTEE

Con Mims  
*Chair / River Authorities*  
Tim Andruss  
*Vice-Chair / Water Districts*  
Gary Middleton  
*Secretary / Municipalities*  
Donna Balin  
*At-Large / Environmental*

April 24, 2014

#### MEMBERS

VACANT  
*Water Districts*  
Gene Camargo  
*Water Utilities*  
Rey Chavez  
*Industries*  
Alan Cockerell  
*Agriculture*  
Will Conley  
*Counties*  
Don Dietzmann  
*GMA 9*  
Art Dohmann  
*GMA 15*  
Blair Fitzsimons  
*Agriculture*  
Vic Hilderbran  
*GMA 7*  
Kevin Janak  
*Electric Generating/Utilities*  
John Kight  
*Counties*  
Gená Leathers  
*Industries*  
Doug McGookey  
*Small Business*  
Dan Meyer  
*GMA 10*  
Iliana Peña  
*Environmental*  
Robert Puente  
*Municipalities*  
Steve Ramsey  
*Water Utilities*  
David Roberts  
*Small Business*  
Roland Ruiz  
*Water Districts*  
Diane Savage  
*GMA 13*  
Suzanne Scott  
*River Authorities*  
Greg Sengemann  
*Water Districts*  
Milton Stolte  
*Agriculture*  
Thomas Taggart  
*Municipalities*  
Dianne Wassenich  
*Public*  
Bill West  
*River Authorities*

Ladies and Gentlemen:

Because of the incident encountered at our February meeting, to reset and refocus, I would appreciate your favorable consideration at our May 1 meeting of adopting the following code of conduct:

“Members of the South Central Texas Regional Water Planning Group embrace and will strive to uphold the principles that, in the course of our work, respect shall be given to every person; abusive behavior will not be tolerated; and, every member and Alternate will conduct his/her self in a manner that reflects favorably on the planning group and that is not injurious to our purpose.”

If approved, this will be our touchstone as we continue with our work.

Con Mims, Chair

South Central Texas Regional Water Planning Group (Region L)



## **AGENDA ITEM 10**

Report, Discussion and Appropriate Action Regarding Project  
Prioritization Work Group Recommendations

***South Central Texas Regional Water Planning Group***  
***Water Management Strategy Prioritization Workgroup***

**Summary Report and 2011 Regional Water Plan Prioritization**

In accordance House Bill 4 (HB 4) of the 83<sup>rd</sup> Texas Legislature and the request of the Texas Water Development Board (TWDB), the South Central Texas (Region L) Regional Water Planning Group (SCTRWPG) has completed a draft prioritization of the recommended water management strategies (or projects) in the approved 2011 South Central Texas Regional Water Plan. This draft prioritization was approved by consensus of the SCTRWPG during its meeting on May 1, 2014 and is hereby submitted to the TWDB in the required electronic format. A summary of the draft prioritization is included as Attachment A.

Development of the draft prioritization was accomplished through the efforts of the SCTRWPG Water Management Strategy Prioritization Workgroup (Workgroup) led by Suzanne Scott with the technical and administrative support of HDR Engineering, Inc. and the San Antonio River Authority, respectively. The Workgroup developed summary rankings of major water management strategies, many of which serve multiple water user groups, based on the average and maximum scores calculated. These summary rankings are included as Attachment B. Average and maximum scores for Municipal Water Conservation and Drought Management are included for general reference only as relative scores for these strategies should be evaluated on a single water user group basis.

The Workgroup developed the draft prioritization using the Uniform Standards for Prioritization (USP, Attachment C) developed by the HB 4 Stakeholder Committee and supplemental Interpretive Assumptions (Attachment D) or clarifications adopted by consensus of the Workgroup in the course of two meetings (February 20, 2014 and March 21, 2014).

In the preparation of this draft prioritization of recommended projects, interests represented on the SCTRWPG had certain observations and comments regarding the USP, the supplemental Interpretive Assumptions, and/or other factors relevant to the regional water plan prioritization process or the upcoming TWDB prioritization of projects included in the state water plan. These observations and comments are included as Attachment E. It is noted that the SCTRWPG has not endorsed these observations and comments and is simply passing them forward for TWDB consideration.

## **ATTACHMENT A**

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L53	CIBOLO	CRWA Wells Ranch project Phase I	938.33
L99	CRYSTAL CLEAR WSC	CRWA Wells Ranch project Phase I	938.33
L173	LA VERNIA	CRWA Wells Ranch project Phase I	938.33
L16	BEXAR MET WATER DISTRICT	CRWA Wells Ranch project Phase I	938.33
L36	CANYON REGIONAL WATER AUTHORITY	CRWA Wells Ranch project Phase I	938.33
L158	IRRIGATION, ATASCOSA	Irrigation water conservation	904.41
L37	CANYON REGIONAL WATER AUTHORITY	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L134	GREEN VALLEY SUD	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L267	SANTA CLARA	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L203	MARION	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L208	MARTINDALE WSC	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L17	BEXAR MET WATER DISTRICT	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L54	CIBOLO	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33
L279	SELMA	Regional Carrizo for SSLGC project expansion (including Gonzales County)	864.00
L273	SCHERTZ	Regional Carrizo for SSLGC project expansion (including Gonzales County)	864.00
L2	ALAMO HEIGHTS	Edwards transfers	854.33
L124	GARDEN RIDGE	Purchase from wholesale water provider (SSLGC)/redistribution of supplies	854.33
L156	HONDO	Edwards transfers	854.33
L169	KIRBY	Edwards transfers	854.33
L178	LACOSTE	Edwards transfers	854.33
L191	LYTLE	Edwards transfers	854.33
L224	NATALIA	Edwards transfers	854.33
L243	POINT COMFORT	Purchase from wholesale water provider (LNRA)/redistribution of supplies	854.33
L252	SABINAL	Edwards transfers	854.33
L303	UNIVERSAL CITY	Edwards transfers	854.33
L306	UVALDE	Edwards transfers	854.33
L318	WINDCREST	Edwards transfers	854.33
L326	YANCEY WSC	Edwards transfers	854.33
L199	MANUFACTURING, COMAL	Recycled water programs	832.67
L294	STEAM ELECTRIC POWER, ATASCOSA	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	832.33
L159	IRRIGATION, MEDINA	Irrigation water conservation	831.00
L5	AQUA WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	824.33
L210	MAXWELL WSC	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	824.00
L171	KYLE	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	824.00
L217	MOUNTAIN CITY	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	824.00
L265	SAN MARCOS	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	824.00
L104	CRYSTAL CLEAR WSC	Regional Carrizo for SSLGC project expansion (including Gonzales County)	822.33
L275	SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION	Regional Carrizo for SSLGC project expansion (including Gonzales County)	822.33
L43	CASTLE HILLS	Municipal water conservation	822.28
L131	GONZALES COUNTY WSC	TWA Regional Carrizo (including Gonzales County)	816.00
L301	TEXAS WATER ALLIANCE	TWA Regional Carrizo (including Gonzales County)	816.00
L317	WIMBERLEY WSC	Wimberley and Woodcreek water supply project	816.00

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L322	WOODCREEK	Wimberley and Woodcreek water supply project	816.00
L324	WOODCREEK UTILITIES INC	Wimberley and Woodcreek water supply project	816.00
L42	CASTLE HILLS	Local groundwater (Trinity Aquifer)	814.33
L87	COUNTY-OTHER, MEDINA	Edwards transfers	814.33
L113	EAST MEDINA SUD	Edwards transfers	814.33
L150	HILL COUNTRY VILLAGE	Edwards transfers	814.33
L153	HOLLYWOOD PARK	Edwards transfers	814.33
L215	MINING, COMAL	Industrial, steam-electric power generation, and mining water conservation	814.33
L216	MINING, HAYS	Industrial, steam-electric power generation, and mining water conservation	814.33
L9	ATASCOSA RURAL WSC	Edwards transfers	812.67
L45	CASTROVILLE	Edwards transfers	812.67
L239	PLUM CREEK WATER COMPANY	GBRA mid basin (surface water)	812.00
L319	WINDCREST	Municipal water conservation	804.44
L3	ALAMO HEIGHTS	Municipal water conservation	793.97
L194	MANUFACTURING, BEXAR	Recycled water programs	792.67
L67	COUNTY-OTHER, BEXAR	Municipal water conservation	791.92
L253	SABINAL	Municipal water conservation	791.64
L20	BEXAR MET WATER DISTRICT	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	790.67
L282	SHAVANO PARK	Municipal water conservation	788.34
L163	JOURDANTON	Municipal water conservation	785.38
L205	MARION	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L270	SANTA CLARA	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L290	SS WSC	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L62	COUNTY LINE WSC	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L174	LA VERNIA	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L101	CRYSTAL CLEAR WSC	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L109	EAST CENTRAL WSC	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L136	GREEN VALLEY SUD	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L39	CANYON REGIONAL WATER AUTHORITY	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L126	GOFORTH WSC	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	782.33
L196	MANUFACTURING, CALHOUN	Construction of Lavaca River off-channel reservoir diversion project (Region L component)	780.67
L141	GUADALUPE BLANCO RIVER AUTHORITY	GBRA mid basin (surface water)	778.33
L221	MUSTANG RIDGE	Municipal water conservation	775.24
L56	CIBOLO	Medina Lake firm-up (aquifer storage and recovery)	774.33
L21	BEXAR MET WATER DISTRICT	Medina Lake firm-up (aquifer storage and recovery)	774.33
L30	BULVERDE CITY	TWA Regional Carrizo (including Gonzales County)	774.33
L74	COUNTY-OTHER, COMAL	TWA Regional Carrizo (including Gonzales County)	774.33
L146	GUADALUPE BLANCO RIVER AUTHORITY	Wimberley and Woodcreek water supply project	774.33
L281	SHAVANO PARK	Edwards transfers	774.33
L287	SPRINGS HILL WSC	TWA Regional Carrizo (including Gonzales County)	774.33
L314	WATER SERVICES INC	TWA Regional Carrizo (including Gonzales County)	774.33
L33	CANYON LAKE WSC	TWA Regional Carrizo (including Gonzales County)	774.33

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L227	NEW BRAUNFELS	GBRA Simsboro project (overdraft)	774.00
L162	JOURDANTON	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	772.33
L212	MCCOY WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	772.33
L160	IRRIGATION, ZAVALA	Irrigation water conservation	772.23
L100	CRYSTAL CLEAR WSC	GBRA mid basin (surface water)	770.33
L135	GREEN VALLEY SUD	GBRA mid basin (surface water)	770.33
L269	SANTA CLARA	GBRA mid basin (surface water)	770.33
L55	CIBOLO	GBRA mid basin (surface water)	770.33
L204	MARION	GBRA mid basin (surface water)	770.33
L38	CANYON REGIONAL WATER AUTHORITY	GBRA mid basin (surface water)	770.33
L94	CREEDMOOR-MAHA WSC	GBRA mid basin (surface water)	770.33
L183	LOCKHART	GBRA mid basin (surface water)	770.33
L187	LULING	GBRA mid basin (surface water)	770.33
L220	MUSTANG RIDGE	GBRA mid basin (surface water)	770.33
L230	NIEDERWALD	GBRA mid basin (surface water)	770.33
L125	GOFORTH WSC	GBRA mid basin (surface water)	770.33
L24	BOERNE	Municipal water conservation	769.33
L121	FLORESVILLE	Municipal water conservation	769.33
L167	KENEDY	Municipal water conservation	769.33
L278	SELMA	Municipal water conservation	769.33
L307	UVALDE	Municipal water conservation	767.42
L157	HONDO	Municipal water conservation	761.25
L164	KARNES CITY	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	752.33
L296	STEAM ELECTRIC POWER, VICTORIA	Purchase from wholesale water provider (GBRA)	749.33
L311	WATER SERVICES INC	Edwards transfers	745.78
L18	BEXAR MET WATER DISTRICT	Edwards transfers	744.91
L47	CASTROVILLE	Municipal water conservation	744.79
L260	SAN ANTONIO WATER SYSTEM	Edwards transfers	743.85
L144	GUADALUPE BLANCO RIVER AUTHORITY	Storage above Canyon Reservoir (aquifer storage and recovery)	742.33
L140	GUADALUPE BLANCO RIVER AUTHORITY	GBRA lower basin storage	741.54
L200	MANUFACTURING, VICTORIA	GBRA lower basin storage	741.54
L295	STEAM ELECTRIC POWER, VICTORIA	GBRA lower basin storage	741.54
L195	MANUFACTURING, BEXAR	Recycled water programs	741.01
L154	HOLLYWOOD PARK	Municipal water conservation	737.32
L151	HILL COUNTRY VILLAGE	Municipal water conservation	737.15
L327	YANCEY WSC	Municipal water conservation	736.49
L123	GARDEN RIDGE	Municipal water conservation	736.06
L242	POINT COMFORT	Municipal water conservation	735.31
L228	NEW BRAUNFELS	Municipal water conservation	734.80
L58	CONVERSE	Local groundwater (Trinity Aquifer)	734.33
L63	COUNTY LINE WSC	Local groundwater (Trinity Aquifer)	732.67
L143	GUADALUPE BLANCO RIVER AUTHORITY	GBRA Simsboro project (overdraft)	732.33

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L27	BULVERDE CITY	GBRA Simsboro project (overdraft)	732.33
L70	COUNTY-OTHER, COMAL	GBRA Simsboro project (overdraft)	732.33
L197	MANUFACTURING, COMAL	GBRA Simsboro project (overdraft)	732.33
L31	CANYON LAKE WSC	GBRA Simsboro project (overdraft)	732.33
L181	LIVESTOCK, GOLIAD	Livestock water conservation	731.00
L291	SS WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	730.67
L299	SUNKO WSC	Municipal water conservation	729.33
L7	ASHERTON	Municipal water conservation	727.67
L13	BALCONES HEIGHTS	Municipal water conservation	727.67
L40	CARRIZO SPRINGS	Municipal water conservation	727.67
L51	CHINA GROVE	Municipal water conservation	727.67
L60	COTULLA	Municipal water conservation	727.67
L79	COUNTY-OTHER, GUADALUPE	Municipal water conservation	727.67
L97	CRYSTAL CITY	Municipal water conservation	727.67
L105	CUERO	Municipal water conservation	727.67
L106	DEVINE	Municipal water conservation	727.67
L107	DILLEY	Municipal water conservation	727.67
L115	EL OSO WSC	Municipal water conservation	727.67
L118	FAIROAKS RANCH	Municipal water conservation	727.67
L119	FALLS CITY	Municipal water conservation	727.67
L129	GONZALES	Municipal water conservation	727.67
L176	LACKLAND AFB	Municipal water conservation	727.67
L236	OLMOS PARK	Municipal water conservation	727.67
L237	PEARSALL	Municipal water conservation	727.67
L238	PLEASANTON	Municipal water conservation	727.67
L247	POTEET	Municipal water conservation	727.67
L249	REFUGIO	Municipal water conservation	727.67
L276	SEADRIFT	Municipal water conservation	727.67
L277	SEGUIN	Municipal water conservation	727.67
L283	SOMERSET	Municipal water conservation	727.67
L297	STOCKDALE	Municipal water conservation	727.67
L300	TERRELL HILLS	Municipal water conservation	727.67
L308	VICTORIA	Municipal water conservation	727.67
L272	SCHERTZ	Municipal water conservation	723.22
L323	WOODCREEK UTILITIES INC	Municipal water conservation	721.16
L189	LULING	Municipal water conservation	717.62
L19	BEXAR MET WATER DISTRICT	Local groundwater (Trinity Aquifer)	712.47
L225	NATALIA	Municipal water conservation	712.19
L90	COUNTY-OTHER, VICTORIA	GBRA new appropriation (lower basin)	712.00
L201	MANUFACTURING, VICTORIA	Purchase from wholesale water provider (GBRA)	709.33
L81	COUNTY-OTHER, KARNES	Municipal water conservation	707.67

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L93	COUNTY-OTHER, ZAVALA	Municipal water conservation	707.67
L328	YOAKUM	Municipal water conservation	707.67
L128	GOLIAD	Municipal water conservation	707.67
L266	SAN MARCOS	Municipal water conservation	705.44
L184	LOCKHART	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	702.67
L188	LULING	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	702.67
L64	COUNTY LINE WSC	Municipal water conservation	702.52
L255	SAN ANTONIO	Municipal water conservation	702.34
L84	COUNTY-OTHER, KENDALL	Storage above Canyon Reservoir (aquifer storage and recovery)	700.67
L202	MARION	CRWA Siesta project	694.33
L52	CIBOLO	CRWA Siesta project	694.33
L133	GREEN VALLEY SUD	CRWA Siesta project	694.33
L35	CANYON REGIONAL WATER AUTHORITY	CRWA Siesta project	694.33
L214	MINING, BEXAR	Industrial, steam-electric power generation, and mining water conservation	694.33
L14	BENTON CITY WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	692.33
L262	SAN ANTONIO WATER SYSTEM	Recycled water programs	691.32
L29	BULVERDE CITY	Purchase from wholesale water provider (GBRA)	689.33
L83	COUNTY-OTHER, KENDALL	Purchase from wholesale water provider (GBRA)	689.33
L198	MANUFACTURING, COMAL	Purchase from wholesale water provider (GBRA)	689.33
L222	MUSTANG RIDGE	Purchase from wholesale water provider (GBRA)	689.33
L232	NIEDERWALD	Purchase from wholesale water provider (GBRA)	689.33
L313	WATER SERVICES INC	Purchase from wholesale water provider (SSLGC)/redistribution of supplies	689.02
L23	BIG WELLS	Municipal water conservation	687.67
L65	COUNTY-OTHER, ATASCOSA	Municipal water conservation	687.67
L78	COUNTY-OTHER, GONZALES	Municipal water conservation	687.67
L86	COUNTY-OTHER, LA SALLE	Municipal water conservation	687.67
L117	ENCINAL	Municipal water conservation	687.67
L248	POTH	Municipal water conservation	687.67
L250	RUNGE	Municipal water conservation	687.67
L325	WOODSBORO	Municipal water conservation	687.67
L57	CIBOLO	Municipal water conservation	686.00
L130	GONZALES COUNTY WSC	Municipal water conservation	686.00
L148	HELOTES	Municipal water conservation	686.00
L175	LA VERNIA	Municipal water conservation	686.00
L233	NIXON	Municipal water conservation	686.00
L286	SPRINGS HILL WSC	Municipal water conservation	686.00
L138	GREEN VALLEY SUD	Purchase from New Braunfels Utilities/redistribution of supplies	677.88
L192	LYTLE	Municipal water conservation	676.33
L284	SPRINGS HILL WSC	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33
L98	CRYSTAL CLEAR WSC	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33
L132	GREEN VALLEY SUD	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33



# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L34	CANYON REGIONAL WATER AUTHORITY	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33
L274	SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33
L172	KYLE	Municipal water conservation	672.89
L139	GUADALUPE BLANCO RIVER AUTHORITY	GBRA Exelon project	671.67
L258	SAN ANTONIO WATER SYSTEM	Drought management	670.26
L263	SAN ANTONIO WATER SYSTEM	Regional Carrizo for SAWS (including Gonzalas County)	666.20
L50	CHARLOTTE	Municipal water conservation	666.00
L218	MOUNTAIN CITY	Municipal water conservation	661.09
L257	SAN ANTONIO WATER SYSTEM	Brackish groundwater desalination (Wilcox Aquifer) (SAWS)	656.80
L25	BOERNE	Western Canyon water treatment plant expansion	656.00
L108	EAST CENTRAL WSC	Edwards transfers	649.33
L88	COUNTY-OTHER, MEDINA	Municipal water conservation	648.75
L72	COUNTY-OTHER, COMAL	Purchase from New Braunfels Utilities/redistribution of supplies	647.67
L73	COUNTY-OTHER, COMAL	Purchase from wholesale water provider (GBRA)	647.67
L329	YORKTOWN	Municipal water conservation	647.67
L256	SAN ANTONIO WATER SYSTEM	Aquifer storage and recovery project and phased expansion	646.87
L69	COUNTY-OTHER, CALDWELL	Municipal water conservation	646.00
L302	UNIVERSAL CITY	Drought management	629.33
L259	SAN ANTONIO WATER SYSTEM	Edwards Aquifer recharge - Type 2 projects	627.90
L49	CHARLOTTE	Facilities expansion	627.67
L68	COUNTY-OTHER, CALDWELL	Facilities expansion	627.67
L147	HELOTES	Facilities expansion	627.67
L241	POINT COMFORT	Drought management	625.93
L110	EAST CENTRAL WSC	Local groundwater (Trinity Aquifer)	623.69
L280	SHAVANO PARK	Drought management	616.68
L231	NIEDERWALD	Municipal water conservation	615.99
L145	GUADALUPE BLANCO RIVER AUTHORITY	Western Canyon water treatment plant expansion	614.33
L85	COUNTY-OTHER, KENDALL	Western Canyon water treatment plant expansion	614.33
L305	UVALDE	Drought management	613.99
L32	CANYON LAKE WSC	Municipal water conservation	613.41
L193	MANUFACTURING, BEXAR	Edwards transfers	611.36
L92	COUNTY-OTHER, WILSON	Municipal water conservation	611.00
L152	HOLLYWOOD PARK	Drought management	610.91
L149	HILL COUNTRY VILLAGE	Drought management	610.79
L261	SAN ANTONIO WATER SYSTEM	Firm-up- run-of-river with off-channel reservoir - LCRA/SAWS project (Region L component)	609.01
L61	COUNTY LINE WSC	Drought management	606.00
L96	CREEDMOOR-MAHA WSC	Purchase from wholesale water provider (GBRA)	606.00
L226	NEW BRAUNFELS	Drought management	606.00
L190	LYTLE	Drought management	600.18
L168	KIRBY	Drought management	598.44
L122	GARDEN RIDGE	Drought management	595.08
L177	LACOSTE	Drought management	595.06

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L102	CRYSTAL CLEAR WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	590.67
L11	ATASCOSA RURAL WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	590.53
L310	WATER SERVICES INC	Drought management	590.39
L320	WOODCREEK	Drought management	589.48
L142	GUADALUPE BLANCO RIVER AUTHORITY	GBRA new appropriation (lower basin)	587.00
L10	ATASCOSA RURAL WSC	Facilities expansion	586.00
L46	CASTROVILLE	Facilities expansion	586.00
L186	LULING	Drought management	586.00
L207	MARTINDALE	Drought management	586.00
L285	SPRINGS HILL WSC	Facilities expansion	586.00
L185	LOCKHART	Municipal water conservation	579.77
L28	BULVERDE CITY	Municipal water conservation	575.29
L289	SS WSC	Drought management	575.15
L166	KENEDY	Local groundwater (Gulf Coast Aquifer)	574.33
L80	COUNTY-OTHER, HAYS	Municipal water conservation	567.67
L209	MARTINDALE WSC	Drought management	563.86
L251	SABINAL	Drought management	559.12
L321	WOODCREEK	Municipal water conservation	555.00
L66	COUNTY-OTHER, BEXAR	Edwards transfers	552.67
L120	FLORESVILLE	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	544.33
L41	CASTLE HILLS	Drought management	541.59
L271	SANTA CLARA	Municipal water conservation	536.52
L161	JOURDANTON	Drought management	535.76
L219	MUSTANG RIDGE	Drought management	532.32
L155	HONDO	Drought management	529.25
L4	AQUA WSC	Drought management	528.11
L112	EAST MEDINA SUD	Drought management	526.00
L170	KYLE	Drought management	526.00
L235	OAK HILLS WSC	Municipal water conservation	524.03
L315	WIMBERLEY WSC	Drought management	520.84
L1	ALAMO HEIGHTS	Drought management	520.64
L268	SANTA CLARA	Drought management	518.06
L229	NIEDERWALD	Drought management	516.06
L44	CASTROVILLE	Drought management	515.64
L223	NATALIA	Drought management	513.30
L8	ATASCOSA RURAL WSC	Drought management	513.17
L26	BULVERDE CITY	Drought management	512.76
L89	COUNTY-OTHER, UVALDE	Municipal water conservation	507.67
L254	SAN ANTONIO	Drought management	507.32
L48	CHARLOTTE	Drought management	506.00
L182	LOCKHART	Drought management	506.00
L244	POLONIA WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	504.33

# ATTACHMENT A

Alphabetized unique identifier	Sponsor	Recommended Water Management Strategy Name	Score
L312	WATER SERVICES INC	Municipal water conservation	491.27
L309	WAELDER	Municipal water conservation	487.67
L288	SS WSC	Brackish groundwater desalination (Wilcox Aquifer) (SS WSC)	475.12
L116	ELMENDORF	Municipal water conservation	447.67
L245	PORT LAVACA	Municipal water conservation	447.67
L246	PORT O'CONNOR MUD	Municipal water conservation	447.67
L304	UNIVERSAL CITY	Municipal water conservation	433.09
L15	BENTON CITY WSC	Municipal water conservation	424.79
L234	OAK HILLS WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	424.33
L298	SUNKO WSC	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	424.33
L213	MCCOY WSC	Municipal water conservation	421.72
L59	CONVERSE	Municipal water conservation	417.90
L82	COUNTY-OTHER, KENDALL	Municipal water conservation	414.49
L103	CRYSTAL CLEAR WSC	Municipal water conservation	413.42
L292	SS WSC	Municipal water conservation	413.37
L316	WIMBERLEY WSC	Municipal water conservation	411.48
L114	EAST MEDINA SUD	Municipal water conservation	399.15
L111	EAST CENTRAL WSC	Municipal water conservation	398.92
L6	AQUA WSC	Municipal water conservation	392.04
L206	MARION	Municipal water conservation	381.83
L240	PLUM CREEK WATER COMPANY	Municipal water conservation	375.05
L211	MAXWELL WSC	Municipal water conservation	374.58
L179	LACOSTE	Municipal water conservation	373.65
L127	GOFORTH WSC	Municipal water conservation	372.06
L76	COUNTY-OTHER, FRIO	Municipal water conservation	367.67
L180	LEON VALLEY	Municipal water conservation	367.67
L293	ST. HEDWIG	Municipal water conservation	367.67
L264	SAN ANTONIO WATER SYSTEM	Seawater desalination	360.12
L91	COUNTY-OTHER, VICTORIA	Municipal water conservation	343.20
L22	BEXAR MET WATER DISTRICT	Municipal water conservation	332.94
L71	COUNTY-OTHER, COMAL	Municipal water conservation	330.79
L75	COUNTY-OTHER, DEWITT	Municipal water conservation	327.67
L77	COUNTY-OTHER, GOLIAD	Municipal water conservation	327.67
L165	KARNES CITY	Municipal water conservation	313.00
L12	ATASCOSA RURAL WSC	Municipal water conservation	309.01
L137	GREEN VALLEY SUD	Municipal water conservation	291.21
L95	CREEDMOOR-MAHA WSC	Municipal water conservation	286.00

## **ATTACHMENT B**

## ATTACHMENT B

### Major Projects Ranked By Average Score

Rank	Sponsor	WMS	Average Score	Max Score
1	CRWA	CRWA Wells Ranch project Phase I	938.33	938.33
2	CRWA	CRWA Wells Ranch project Phase II (including Gonzales County)	902.33	902.33
3	SSLGC	Regional Carrizo for SSLGC project expansion (including Gonzales County)	843.17	864.00
4	GBRA	Wimberley and Woodcreek water supply project	805.58	816.00
5	HC PUA	Hays/Caldwell Public Utility Authority Project (including Gonzales County)	794.24	824.00
6	BMWD (SAWS)	Local groundwater Carrizo-Wilcox Aquifer (includes overdrafts)	790.67	790.67
7	TWA	TWA Regional Carrizo (including Gonzales County)	786.24	816.00
8	LNRA/Formosa	Construction of Lavaca River off-channel reservoir diversion project (Region L component)	780.67	780.67
9	BMWD	Medina Lake firm-up (aquifer storage and recovery)	774.33	774.33
10	GBRA	GBRA mid basin (surface water)	773.88	812.00
11	GBRA	GBRA lower basin storage	741.54	741.54
12	GBRA	GBRA Simsboro project (overdraft)	739.28	774.00
13	GBRA	Storage above Canyon Reservoir (aquifer storage and recovery)	721.50	742.33
14	CRWA	CRWA Siesta project	694.33	694.33
15	RWA	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33	674.33
16	GBRA	GBRA Exelon project	671.67	671.67
17	SAWS	Regional Carrizo for SAWS (including Gonzalas County)	666.20	666.20
18	SAWS	Brackish groundwater desalination (Wilcox Aquifer) (SAWS)	656.80	656.80
19	GBRA	GBRA new appropriation (lower basin)	649.50	712.00
20	SAWS	Aquifer storage and recovery project and phased expansion	646.87	646.87
21	SAWS	Edwards Aquifer recharge - Type 2 projects	627.90	627.90
22	SAWS	Firm-up- run-of-river with off-channel reservoir - LCRA/SAWS project (Region L component)	609.01	609.01
23	SS WSC	Brackish groundwater desalination (Wilcox Aquifer) (SS WSC)	475.12	475.12
24	SAWS	Seawater desalination	360.12	360.12
**	Various	Municipal water conservation	619.60	822.28
**	Various	Drought Management	563.09	670.26

## ATTACHMENT B

### Major Projects Ranked by Maximum Score

Rank	Sponsor	WMS	Average Score	Max Score
1	CRWA	CRWA Wells Ranch project Phase I	938.33	938.33
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15	CRWA	CRWA Siesta project	694.33	694.33
16	RWA	Brackish groundwater desalination (Wilcox Aquifer) (RWA)	674.33	674.33
17	GBRA	GBRA Exelon project	671.67	671.67
18	SAWS	Regional Carrizo for SAWS (including Gonzalas County)	666.20	666.20
19	SAWS	Brackish groundwater desalination (Wilcox Aquifer) (SAWS)	656.80	656.80
20	SAWS	Aquifer storage and recovery project and phased expansion	646.87	646.87
21	SAWS	Edwards Aquifer recharge - Type 2 projects	627.90	627.90
22	SAWS	Firm-up- run-of-river with off-channel reservoir - LCRA/SAWS project (Region L component)	609.01	609.01
23	SS WSC	Brackish groundwater desalination (Wilcox Aquifer) (SS WSC)	475.12	475.12
24	SAWS	Seawater desalination	360.12	360.12
**	Various	Municipal water conservation	619.60	822.28
**	Various	Drought Management	563.09	670.26

## **ATTACHMENT C**

HB 4 Stakeholder Committee  
Final Uniform Standards for Prioritization  
*Adopted by Consensus at 3pm, November 14, 2013*

PROJECT NAME:

PROJECT SPONSOR:

**Overall Criteria Weightings:**

Decade of Need	40%
Project Feasibility	10%
Project Viability	25%
Project Sustainability	15%
Project Cost Effectiveness	10%
	<b>100%</b>

potential SWIFT funding category	flag all that may apply
mainstream	<input type="checkbox"/>
rural/agricultural conservation	<input type="checkbox"/>
conservation/reuse	<input type="checkbox"/>

**\*\* indicates that additional data may have to be collected by RWPG in order to score projects**

		Max Score	Actual Score														
<hr/>																	
A	What is the decade the RWP shows the project comes online?	10	0														
	<table><tr><td><u>Points</u></td><td><u>Year</u></td></tr><tr><td>0</td><td>2060</td></tr><tr><td>2</td><td>2050</td></tr><tr><td>4</td><td>2040</td></tr><tr><td>6</td><td>2030</td></tr><tr><td>8</td><td>2020</td></tr><tr><td>10</td><td>2010</td></tr></table>	<u>Points</u>	<u>Year</u>	0	2060	2	2050	4	2040	6	2030	8	2020	10	2010		
<u>Points</u>	<u>Year</u>																
0	2060																
2	2050																
4	2040																
6	2030																
8	2020																
10	2010																
** B	In what decade is initial funding needed?	10	0														
	<table><tr><td><u>Points</u></td><td><u>Year</u></td></tr><tr><td>0</td><td>2060</td></tr><tr><td>2</td><td>2050</td></tr><tr><td>4</td><td>2040</td></tr><tr><td>6</td><td>2030</td></tr><tr><td>8</td><td>2020</td></tr><tr><td>10</td><td>2010</td></tr></table>	<u>Points</u>	<u>Year</u>	0	2060	2	2050	4	2040	6	2030	8	2020	10	2010		
<u>Points</u>	<u>Year</u>																
0	2060																
2	2050																
4	2040																
6	2030																
8	2020																
10	2010																
Criteria Total		20	0														



<b>2. Project Feasibility</b>		<b>Max Score</b>	<b>Actual Score</b>
<b>A</b> What supporting data is available to show that the quantity of water needed is available?		5	0
<b>Points</b>	<b>Measure</b>		
0	Models suggest insufficient quantities of water or no modeling has been performed		
3	Models suggest sufficient quantity of water		
5	Field tests and measurements confirm sufficient quantities of water		
<b>** B</b> If necessary, does the sponsor hold necessary legal rights, water rights and/or contracts to use the water that this project would require?		5	0
<b>Points</b>	<b>Measure</b>		
0	legal rights, water rights and/or contract application not submitted		
2	application submitted		
3	application is administratively complete		
5	legal rights, water rights and/or contracts obtained or not needed		
<b>** C</b> What level of engineering and/or planning has been accomplished for this project? (Points based on progress on scientific data collection, stage of studies and design)		10	0
<b>Points</b>	<b>Measure</b>	<b>Points</b>	<b>Measure</b>
1	Project idea is outlined in Regional Plan.	6	Preliminary engineering report initiated.
2	Feasibility studies initiated.	7	Preliminary engineering report completed.
3	Feasibility studies completed.	8	Preliminary design initiated.
4	Conceptual design initiated.	9	Preliminary design completed.
5	Conceptual design completed.	10	Final design complete.
<b>D</b> Has the project sponsor requested (in writing for the 2016 Plan) that the project be included in the Regional Water Plan?		5	0
<b>Points</b>	<b>Measure</b>		
0	no		
5	yes		
<b>Criteria Total</b>		<b>25</b>	<b>0</b>

HB 4 Stakeholder Committee  
Final Uniform Standards for Prioritization  
*Adopted by Consensus at 3pm, November 14, 2013*

		Max Score	Actual Score
<b>3. Project Viability</b>			
For A and B, the calculation is to be based on the total needs of all WUGs receiving water from the project.			
A In the decade the project supply comes online, what is the % of the WUG's (or WUGs') needs satisfied by this project?		10	0.00
0.00 %			
B In the final decade of the planning period, what is the % of the WUG's (or WUGs') needs satisfied by this project?		10	0.00
0.00 %			
C Is this project the only economically feasible source of new supply for the WUG, other than conservation?		5	0
<u>Points</u>	<u>Measure</u>		
0	no		
5	yes		
D Does the project serve multiple WUGs?		5	0
<u>Points</u>	<u>Measure</u>		
0	no		
5	yes		
Criteria Total		30	0

#### 4. Project Sustainability

** A Over what period of time is this project expected to provide water (regardless of the planning period)?		10	0
<u>Points</u>	<u>Measure</u>		
5	less than or equal to 20 years		
10	greater than 20 years		
B Does the volume of water supplied by the project change over the regional water planning period?		5	0
<u>Points</u>	<u>Measure</u>		
0	decreases		
3	no change		
5	increases		
Criteria Total		15	0

HB 4 Stakeholder Committee  
Final Uniform Standards for Prioritization  
***Adopted by Consensus at 3pm, November 14, 2013***

5. Project Cost Effectiveness		Max Score	Actual Score
A What is the expected unit cost of water supplied by this project compared to the median unit cost of all other recommended strategies in the region's current RWP? (Project's Unit Cost divided by the median project's unit cost)		5	0
<u>Points</u>	<u>Relative to Median unit cost</u>		
0	200% or greater than median		
1	150% to 199% of median		
2	101% to 149% of median		
3	100% of median		
4	51% to 99% of median		
5	0% to 50% of median		
Criteria Total		5	0

**SCORING RESULTS ON SCALE OF 1,000 POINTS MAXIMUM:**

<i>sub-score for: Decade of Need</i>	-
<i>sub-score for: Project Feasibility</i>	-
<i>sub-score for: Project Viability</i>	-
<i>sub-score for: Project Sustainability</i>	-
<i>sub-score for: Project Cost Effectiveness</i>	-
<b>FINAL SCORE FOR PROJECT</b>	-

0  
0

## **ATTACHMENT D**

# ***South Central Texas Regional Water Planning Group***

## **Water Management Strategy Prioritization Workgroup**

### **Consensus Results of Meetings #1 and #2**

### **Interpretive Assumptions for Application of Uniform Standards for Prioritization**

#### **Potential SWIFT Funding Category<sup>1</sup>**

##### **Mainstream**

- All projects.

##### **Rural / Agricultural Conservation**

- Projects for County-Other or Water User Groups (WUGs) serving less than 8,000 people in 2010 and Irrigation Conservation<sup>2</sup>.

##### **Conservation / Reuse**

- All conservation and reuse projects.

#### **1. Decade of Need for Project**

##### **A. What is the decade the Regional Water Plan (RWP) shows the project comes online?**

- For a project with multiple participants having different decades for initial needs, use the first decade of need of any of the participants for the entire project.

##### **B. In what decade is initial funding needed?**

- Use the Infrastructure Financing Report (IFR) response, if available.
- If no IFR response is available, use one (1) decade prior to the decade at which the project comes online.

#### **2. Project Feasibility**

##### **A. What supporting data is available to show that the quantity of water needed is available?**

- Treat groundwater overdraft Water Management Strategies (WMSs) individually.
- Use source water availability from 2011 RWP, not current Modeled Available Groundwater (MAG).

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<sup>1</sup> On March 21, 2014, the Texas Water Development Board advised that the South Central Texas Regional Water Planning Group need not respond to this portion of the USP as it will be addressed in a future rulemaking process and does not affect project scoring.

<sup>2</sup> Section 15.992 of the Texas Water Code states:

(4) "Rural political subdivision" means:

(A) a nonprofit water supply or sewer service corporation, district, or municipality with a service area of 10,000 or less in population or that otherwise qualifies for financing from a federal agency; or

(B) a county in which no urban area exceeds 50,000 in population.

B. If necessary, does the sponsor hold necessary legal rights, water rights and/or contracts to use the water that this project would require?

- Account for listed permitting milestones since 2011 RWP issued, if applicable.
- A permit for part of the planned project firm yield may receive 5 points.

C. What level of engineering and/or planning has been accomplished for this project?

- Account for listed engineering/planning milestones since 2011 RWP issued, if applicable.

### **3. Project Viability**

C. Is this project the only economically feasible source of new supply for the WUG, other than conservation?

- If there is only one WMS or only one WMS in addition to Conservation recommended for the WUG, then answer “Yes” for 5 points. Otherwise, answer “No” for 0 points.

### **4. Project Sustainability**

A. Over what period of time is this project expected to provide water (regardless of the planning period)?

- 5-year groundwater production permits or other short-term source water contracts and leases are assumed to be renewed for more than 20 years.

B. Does the volume of water supplied by the project change over the regional water planning period?

- Focus on sustainability of supplies developed, not phased project implementation.
- Score on a project basis as follows:
  - i. Decreases – Drought Management & Groundwater Overdraft WMSs.
  - ii. No change – All other WMSs.
  - iii. Increases – Municipal Conservation, Irrigation Conservation (Atascosa, Medina), and Industrial, Steam-Electric Power Generation, and Mining Conservation

### **5. Project Cost Effectiveness**

A. What is the expected unit cost of water supplied by this project compared to the median unit cost of all other recommended strategies in the region’s current RWP?

- All unit costs used for prioritizing the 2011 RWP will be from the 2011 RWP.
- For a project serving multiple WUGs, the same unit cost will be used for scoring project cost effectiveness for each participating WUG or Wholesale Water Provider (WWP). This unit cost is calculated as the annual cost during the debt service period divided by the full planned firm yield of the project.

## **ATTACHMENT E**

DRAFT – Compilation of Observations and Comments  
from Prioritization Workgroup

- Rankings of projects submitted by individual water user groups (WUGs) that are served by regional water projects should be conducted with consideration of the fact a single project serves many entities, but the unit cost is the same for all units regardless of the entity receiving the water. Rankings should therefore show the same unit cost score for the same source project. This does not appear to be the case at the time of our initial review.
- The problem of projects which are proposed to serve (by description and representation in the plan submitted), given populations and demands, which may be within the CCN of utilities that are WUGs that have submitted separate water management strategies (WMS) for consideration must be resolved. This is seen in several examples where wholesale providers are representing they will serve groups that are shown to be served by their retail provider through another plan. The retail provider has the CCN, and it should be the retail provider's decision as to which plan it endorses for future supply. The rankings and scorings shown do not clearly comply with this logic and some projects in essence "double serve" the need or may achieve the maximum score of 5 in factor 3D for serving multiple WUGs without their agreement.
- Conservation rankings do not seem to reflect common wisdom that it is the cheapest and most reliable source since we already have that water in inventory.
- In Region L water conservation projects generally rate lower than other more traditional water resource projects when subjected to the Regional rating factors. This appears to be because municipal and regional water planning was done in an environment of low expectation for any state funding for such projects. Water Conservation projects are listed, but more as gap fillings between small demand and supply differences than as a primary water supply effort. The projects are smaller, there is less detail provided, and almost no capital costs are listed. The characteristics of water conservation projects that you would have expected to result in high ratings compared to regular water reserve projects – low cost/unit water provided, environmental appropriateness, and fast production of water, are not developed in the plan.

Water conservation projects involving technology are also in short supply despite the promise of condensate, graywater, automatic meter reading, automatic irrigation controllers, leak detection, high efficiency plumbing, industrial/commercial technology, land leveling, agriculture irrigation technology, irrigation channel improvements, storm water utilization, and other options.

The 20% reserve for conservation and reuse may help insure that some conservation programs make the cut, but the real challenge is to make sure water conservation projects are fully designed to include large volumes of water production and capital costs in future Regional and State Plans to the same degree as other water resource projects that are eligible for SWIFT consideration

- The issue of water projects that reflect advanced technology vs. those of the simplest nature is worthy of discussion and consideration. In the Region L Plan it appears that water rights transfer and small scale surface water treatment score higher because they are less expensive and faster to produce water. Both characteristics are worthy attributes and it can be argued that those types of projects should receive priority for SWIFT consideration as long as they are still available as options.



There is a question, however, as to whether we shouldn't be providing more encouragement for more innovative projects? The basic question is, "how will the costs and ease of use be improved for more innovative technology if we don't start exploring them before they are absolutely needed?"

The high technology water resource options are the projects that are hardest for local governments and ratepayers to afford, and that is where the SWIFT funding really is needed. Ratepayers can better afford to pay for water right transfers and proven technologies through their rates, then they can afford to pay for the cost of new innovative technologies that are essential for the future of the entire state water supply.

Perhaps there should be more emphasis and scoring weight given to technologies that are likely essential for meeting future demands and technologies where costs are likely to be reduced through the learning that occurs when the technology is tested and improved?

- We shouldn't make it harder for any WMS in our Region. All Regions should play by the same rules regardless how many WMS each have. The weight of the rankings are only 1/11 of the formula the Texas Water Development Board will use so it's almost not worth talking about but the 2016 plan might be different.
- Conservation's Importance Under-Valued: After reviewing the scoring of all 329 recommended WMS, it is apparent that the criterion for conservation strategies does not adequately reflect the value of these strategies. For instance, Criteria 3D gives points to a strategy if it serves multiple WUGs, but each WUG must show conservation individually; therefore the WMS is automatically not getting these points in the scoring. We suggest either that the conservation WMSs be scored separately from the non-conservation strategies, or that the criterion be revised to give the conservation strategies more weight.
- Projects May Double Serve Unmet Needs: In some cases multiple recommended WMS in the plan are targeting the same unmet demands for a specific WUG. The criteria do not adequately discern between a recommended WMS that has a contract obligating the water to specific WUG and a WMS that is purely speculative and does not have a supply contract with specific WUGs in place. This discrepancy should be accounted for in the criteria and resultant scoring of the strategies.
- Ensure prioritization by regional water planning groups are useful and timely: Section 15.436 of the Water Code requires each regional water planning group to prioritize projects in its respective regional water plan. Section 15.437 goes on to require the TWDB, in its prioritization of projects for funding under SWIFT, to consider the priority given the project by the applicable regional planning group. Uniform standards for prioritizing have been developed by the regional planning groups and approved by the TWDB. Each group is in the midst of preparing their draft prioritization of the 2011 regional plans, with a draft of that prioritization due June 1<sup>st</sup> of this year, and the final prioritization due September 1st.

The effort, however, is occurring as the 2016 regional water plans are being prepared. Many of the projects in the 2011 plans are already online, have changed substantially, or are outdated for various other reasons, including being shelved by project proponents. This makes the exercise of prioritizing these projects problematic because the rankings are impacted by including projects that are not expected to seek funding for the above reasons, or because they do not have capital costs,

but are still required to be ranked. We would urge the TWDB to consider these issues surrounding using the 2011 regional plan rankings when determining how to measure or score that ranking in their deliberations.

- **Confirm Accurate Water Audits:** Section 15.437 (d)(6) of the Water Code requires the TWDB, in its prioritization of projects for funding under SWIFT, to consider an applicant's water audit and whether it demonstrates that the applicant is accountable with regard to reducing water loss and increasing efficiency in the distribution of water. It is important when considering the audit results of an applicant, that there is some measure of reliability of those results – perhaps, an independent review to make sure the information is accurate. For example, an entity could show little or no water loss, but there are significant problems with the methodology of their audit, as opposed to an entity with a thorough and detailed audit that truly reflects losses and where they occur.
- **Simplify Application for Funds:** A simplified application process may make it easier for entities to request funding. TWDB uses one application for all their programs. For example, deleting the sections/questions that are required for only the DWSRF and CWSRF (federal drinking and clean water revolving funds) would simplify the application process for the SWIFT. Also, under the Legal Section, if an entity could submit master documents once and then reference those with each subsequent application, it could significantly reduce the amount of paper submitted in the application. Also, in terms of assessing an applicant's financial capacity to repay under the prioritization criteria, using credit rating could be a measure
- In the WMS prioritization process, each proposed project was assessed individually as to whether it would cause the source of the modeled available groundwater (MAG) to be overdrafted. This method was universally followed for statewide consistency between regional water planning groups. However, the ranking process did not incorporate a means to view which combinations of proposed strategies would result in an overdraft of their respective source MAGs. This is an important consideration, given that regional water planning requirements prohibit recommending WMS supply volumes that exceed the modeled available groundwater volumes

## **AGENDA ITEM 11**

Discussion and Appropriate Action Regarding Authorizing  
Administrator to Submit Draft Project Prioritization Report to TWDB

## **AGENDA ITEM 12**

Discussion and Appropriate Action Regarding Submittal of Technical  
Memorandum to TWDB by August, 1 2014

## **AGENDA ITEM 13**

Discussion and Appropriate Action Regarding Consultants Work and  
Schedule

2016 South Central Texas Regional Water Plan  
Proposed Workplan for Development

Tasks	Description	Complete										2014								2015																		
		2013																																				
		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec								
Task 1	Planning Area Description																																					
Task 2a	Non-Pop. Based Demand Projections			★																																		
Task 2b	Population & Demand Projections			★																																		
Task 3	Water Supply Analyses																																					
EAHCP	Implementation																																					
TAP	Whooping Crane Lawsuit																																					
Task 4	Water Management Strategies																																					
Task 4a	Needs Assessment	★																																				
Task 4b	ID Potentially Feasible WMSs																																					
Task 4b.1	WMS Verification	★																																				
Task 4c	Technical Memorandum																																					
Task 4d	WMS Technical Evaluations	★				★				★																												
Task 5	Conservation Recommendations																																					
Task 6	Long-term Resource Protection																																					
Task 6.1	Cumulative Effects of RWP																																					
Task 7	Drought Response Information																																					
Task 8	Policies & Recmdtns / Unique Sites																																					
Task 9	Infrastructure Funding																																					
Task 10	Plan Adoption																				★													★				
Task 11	Implement. & Compare to Prv RWPs																																					
Task 12a	Prioritization of 2011 WMSs											★																										
Task 12b	Prioritization of 2016 WMSs																					★																

Legend:

★

SCTRWPG Action

★

TWDB Action

↑

Scheduled SCTRWPG Meeting

↑

Probable SCTRWPG Meeting

Technical  
Memorandum:  
August 1, 2014

IPP Deadline:  
May 1, 2015

RWP Deadline:  
November 2, 2015

# Potential Issues For The 2016 SCTRWP

May 1, 2014

- 1) Carrizo Aquifer Workgroup (Status: Recommendation Approved)
  - 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: Technical Consultants have initiated discussions regarding Hays County-Forestar Project)
- 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: No documentation from TCEQ; Proceed based on comments with 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; Existing Supplies & Needs Determined and WMSs Evaluated)
- 8) Meeting Steam-Electric Needs in Victoria County (Status: GBRA to meet the Need)
- 9) Inter-Regional Coordination (e.g. SAWS Competitive Sealed Proposals) (Status: To Be Evaluated for Regional Water Plan)
- 10) Legislation (Status: Legislative Session Ended; Responding to legislation adopted in 2013; New Session begins January 2015)

## **AGENDA ITEM 14**

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**  
**WATER MANAGEMENT STRATEGIES**  
**Scope and Budget #5**

**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.

Vista Ridge Project (SAWS) \$10,200

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 source water availability. Estimate cost of project and document in the technical evaluation. Budget for technical evaluation does not include groundwater simulations.

Storage Above Canyon Reservoir (ASR) \$9,200

Update technical evaluations for the Storage above Canyon (ASR) water management strategy to be consistent with current projections of water supply needs and facilities planning pursuant to TWDB rules and guidance. Work effort involves coordination with GBRA regarding any changed conditions in terms of projected needs, review of Kerr County/Kendall County Study (if available), strategy modifications, planned facilities, costs of water supply, endangered or threatened species, etc. Update cost estimate of project and document in the technical evaluation.

Hays/Caldwell PUA – TWA Joint Project \$8,700

Coordinate with the Hays/Caldwell PUA and TWA in order to be consistent with their request to evaluate shared facilities for their respective WMSs with technical focus on available information regarding pipeline routes, transmission capacities, and source water availability. Estimate cost of combined projects and document in the technical evaluation. Budget for technical evaluation does not include groundwater simulations.

**Total = \$28,100**  
**Previously Authorized (May, Aug, & Nov 2013 and Feb 2014) = \$420,550**  
**Grand Total = \$448,650**

**Total Task 4D Budget = \$509,904**  
**Budget Left To Be Allocated = \$61,254**

<b>Previously Authorized</b>	<b><u>Amount</u></b>
Edwards Aquifer Habitat Conservation Plan (EA HCP)	\$5,800
Water Conservation	\$8,950
Drought Management	\$8,950
Recycled Water Program Expansion & Amendment	\$6,700
Local Groundwater	\$19,900
Surface Water Rights	\$4,100
Facilities Expansions	\$4,700
Balancing Storage (ASR and/or Surface)	\$4,100
Wells Ranch – Phase 2 (CRWA and Others)	\$12,200
Brackish Wilcox for CRWA (Formerly Brackish Wilcox for the RWA)	\$12,200
Hays/Caldwell PUA – Phases 1 & 2 (San Marcos, Buda, Kyle, CRWA)	\$21,600
CRWA Siesta Project (CRWA)	\$14,500
Brackish Wilcox for SAWS	\$17,400
Expanded Local Carrizo – Bexar County (SAWS)	\$14,000
Brackish-Wilcox, Gonzales County (SSLGC)	\$13,250
Texas Water Alliance Carrizo Well Field, Gonzales County (TWA)	\$18,100
Carrizo-Wilcox Aquifer, Wilson County (Cibolo Valley Local Government Corporation)	\$18,600
GBRA Mid-Basin Project and Alternatives (GBRA)	\$10,900
GBRA Lower Basin Off-Channel Reservoir (GBRA)	\$18,900
GBRA Lower Basin New Appropriation (GBRA)	\$19,100
Water Resources Integration Pipeline (SAWS)	\$5,400
Advanced Meter Infrastructure (SAWS)	\$3,000
Integrated Water-Power Project (GBRA)	\$11,400
Luling ASR (GBRA)	\$13,500
New Braunfels ASR Project (NBU)	\$12,200
New Braunfels Trinity Well Field (NBU)	\$10,000
TWA Trinity Well Field/Western Comal Project/Upper Cibolo Valley Project	\$10,000
Edwards Transfers	\$14,400
Purchase from WWP	\$15,000
Expansion Carrizo-Wilcox Aquifer, Guadalupe Co (SSLGC)	\$10,900
Lavaca River Off-Channel Reservoir	\$7,900
Brackish Wilcox Groundwater for SS WSC	\$10,000
Carrizo Transfers	\$3,500
Brush Management	\$10,600
Hays County-Forestar Water	\$11,500
Regional Brackish Wilcox Project – Alternative WMS (SAWS)	\$7,800
Carrizo/Buda/Austin Chalk/Leona & Regional ASR (City of Uvalde)	<u>\$9,500</u>
<b>Total for Previously Authorized</b>	<b>\$420,550</b>

## **AGENDA ITEM 15**

Discussion and Appropriate Action Regarding Authorizing  
Administrator to Submit Request for Notice-to-Proceed for Evaluation  
of Water Management Strategies and Authorize Administrator to  
Execute Contract Amendment with TWDB

## **AGENDA ITEM 16**

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

## **AGENDA ITEM 17**

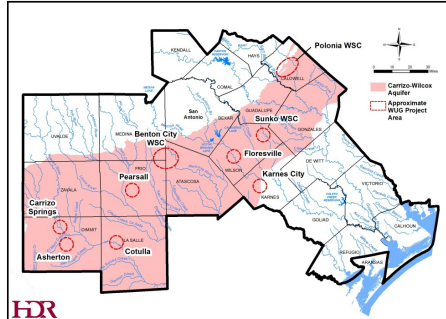
Discussion and Appropriate Action Regarding Evaluation and  
Recommendation of Water Management Strategies (WMSs) (Task  
4D)

# ***Facilities Expansions***

- **Expansions of major components of existing infrastructure (facilities) so WUGs can continue to provide a safe and reliable water supply to their customers during the planning period.**
- **WUGs:**
  - **Atascosa Rural WSC:** Interconnect with Benton City WSC and East Medina
  - **City of Helotes:** Integrating System with SAWS
  - **Gonzales County WSC:** Interconnects with Texas Water Alliance and SSLGC. Building additional well to utilize yield from Carrizo Aquifer (March 2015)
  - **Springs Hill WSC:** Agreement to utilize Seguin's 90% completed elevated storage tank. Emergency Interconnect with Schertz- Seguin pipeline
  - **Yancey WSC:** WTP Expansion for Groundwater. Looking to purchase new well site.
  - **SAWS:** Water Resource Integration Pipeline. Medina Lake Optimization (Membrane Improvements at WTP).
  - **Port O' Connor:** WTP Improvements. Distribution System Improvements. Groundwater Treatment. 3 GST's and associated Booster/ Feed Pumps.
  - **CCMA:** WWTP Expansion

# Local Groundwater Supplies

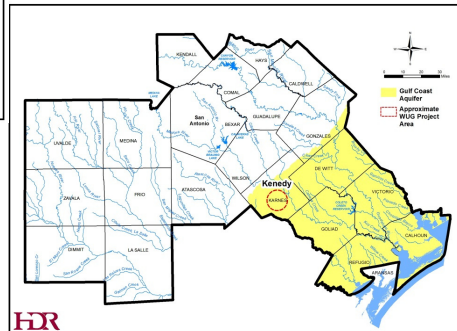
## Water User Groups



HR

*Carrizo-Wilcox Aquifer*

## Gulf Coast Aquifer



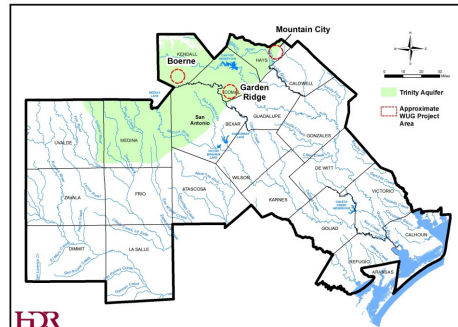
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# Local Groundwater Supplies

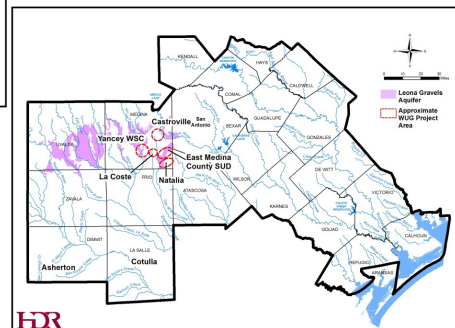
## Water User Groups



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*Trinity Aquifer*

## Leona Gravels Aquifer



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2

## Local Groundwater Supplies

- Water User Group
  - Source and Supply: Carrizo-Wilcox, Gulf Coast, Trinity and Leona Gravels Aquifers
    - NOTE: Carrizo-Wilcox Groundwater Availability is Fully Committed

Carrizo-Wilcox	Gulf Coast	Trinity	Leona Gravels
Asherton	Kenedy	Boerne	Castroville
Benton City WSC		Garden City	East Medina County SUD
Carrizo Springs		Mountain City	La Coste
Cotulla			Natalia
Floresville			Yancey WSC
Karnes City			
Pearsall			
Polonia WSC			
Sunko WSC			

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3

## Local Groundwater Supplies

- County Other
  - Source and Supply: Carrizo-Wilcox and Various in Bexar County
    - NOTE: Carrizo-Wilcox Groundwater Availability is Fully Committed

Carrizo-Wilcox	Various
Dimmit	Bexar
La Salle	

- Mining
  - Source and Supply: Carrizo-Wilcox and Various in Bexar County
    - NOTE: Carrizo-Wilcox Groundwater Availability is Fully Committed

Carrizo-Wilcox	Gulf Coast
Dimmit	Karnes
LaSalle	

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## Local Groundwater Supplies

### Water User Groups (1 of 2)

County	User	Aquifer	Total Wells	Total Capital Cost	Total Project Cost	Total Annual Cost	Available Project Yield	Annual Unit Cost (\$/ac-ft)
Atascosa	Benton City WSC	Carrizo-Wilcox	1	\$430,000	\$659,000	\$76,000	0	N/A
Caldwell	Polonica WSC	Carrizo-Wilcox	2	\$1,177,668	\$1,683,086	\$208,752	0	N/A
Comal	Garden Ridge	Trinity	4	\$4,198,363	\$6,092,790	\$673,354	1,000	\$673
Dimmit	Asherton	Carrizo-Wilcox	1	\$430,000	\$659,000	\$76,000	0	N/A
Dimmit	Carrizo Springs	Carrizo-Wilcox	1	\$1,185,000	\$1,713,000	\$231,000	600	N/A
Frio	Pearsall	Carrizo-Wilcox	1	\$708,000	\$1,047,000	\$100,000	0	N/A
Hays	Mountain City	Trinity	1	\$482,000	\$731,000	\$78,000	60	\$1,300
Karnes	Karnes City	Carrizo-Wilcox	1	\$2,301,000	\$3,235,000	\$331,000	0	N/A
Karnes	Kenedy	Gulf Coast	1	\$2,229,000	\$3,172,000	\$591,000	190	\$3,111

*Note: Garden Ridge's shortage is only partly met with Local Groundwater*

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## Local Groundwater Supplies

### Water User Groups (2 of 2)

County	User	Aquifer	Total Wells	Total Capital Cost	Total Project Cost	Total Annual Cost	Available Project Yield	Annual Unit Cost (\$/ac-ft)
Kendall	Boerne	Trinity	8	\$4,948,432	\$7,366,384	\$1,634,859	1,000	\$1,635
La Salle	Cotulla	Carrizo-Wilcox	1	\$1,569,000	\$2,250,000	\$245,000	0	N/A
Medina	Castroville	Leona Gravels	2	\$2,444,000	\$3,528,000	\$644,000	225	\$2,862
Medina	East Medina County SUD	Leona Gravels	1	\$1,230,000	\$1,737,000	\$336,000	75	\$4,480
Medina	La Coste	Leona Gravels	1	\$1,183,000	\$1,710,000	\$319,000	60	\$5,317
Medina	Natalia	Leona Gravels	2	\$2,365,000	\$3,418,000	\$634,000	225	\$2,818
Medina	Yancey WSC	Leona Gravels	3	\$3,025,000	\$4,278,000	\$795,000	310	\$2,565
Wilson	Floresville	Carrizo-Wilcox	2	\$2,973,458	\$4,542,498	\$532,536	0	N/A
Wilson	Sunko WSC	Carrizo-Wilcox	1	\$603,000	\$862,000	\$96,000	0	N/A

*Note: Boerne's shortage is only partly met with Local Groundwater*

**DRAFT (4-21-2014)**

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## Local Groundwater Supplies

### Water User Groups

Alternative: Assumes Groundwater Availability from Carrizo-Wilcox Aquifer

County	User	Aquifer	Total Wells	Total Capital Cost	Total Project Cost	Total Annual Cost	Available Project Yield	Annual Unit Cost (\$/ac-ft)
Atascosa	Benton City WSC	Carrizo-Wilcox	1	\$430,000	\$659,000	\$76,000	80	\$950
Caldwell	Polonica WSC	Carrizo-Wilcox	2	\$1,177,668	\$1,683,086	\$208,752	450	\$464
Dimmit	Asherton	Carrizo-Wilcox	1	\$430,000	\$659,000	\$76,000	80	\$950
Dimmit	Carrizo Springs	Carrizo-Wilcox	1	\$1,185,000	\$1,713,000	\$231,000	600	\$385
Frio	Pearsall	Carrizo-Wilcox	1	\$708,000	\$1,047,000	\$100,000	20	\$5,000
Karnes	Karnes City	Carrizo-Wilcox	1	\$2,301,000	\$3,235,000	\$331,000	340	\$974
La Salle	Cotulla	Carrizo-Wilcox	1	\$1,569,000	\$2,250,000	\$245,000	325	\$754
Wilson	Floresville	Carrizo-Wilcox	2	\$2,973,458	\$4,542,498	\$532,536	1,450	\$366
Wilson	Sunko WSC	Carrizo-Wilcox	1	\$603,000	\$862,000	\$96,000	120	\$800

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## Local Groundwater Supplies

### County-Other

County	User	Aquifer	Total Wells	Total Capital Cost	Total Project Cost	Total Annual Cost	Available Project Yield	Annual Unit Cost (\$/ac-ft)
Bexar	Various	Various	488	\$34,231,000	\$47,830,000	\$7,214,000	6,084	\$1,186
Dimmit	Various	Carrizo-Wilcox	30	\$2,767,000	\$3,866,000	\$514,000	0	N/A
La Salle	Various	Carrizo-Wilcox	11	\$2,537,000	\$3,545,000	\$381,000	0	N/A
Alternative: Assumes Groundwater Availability from Carrizo-Wilcox Aquifer								
Dimmit	Various	Carrizo-Wilcox	30	\$2,767,000	\$3,866,000	\$514,000	362	\$1,420
La Salle	Various	Carrizo-Wilcox	11	\$2,537,000	\$3,545,000	\$381,000	133	\$2,865

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8

## Local Groundwater Supplies

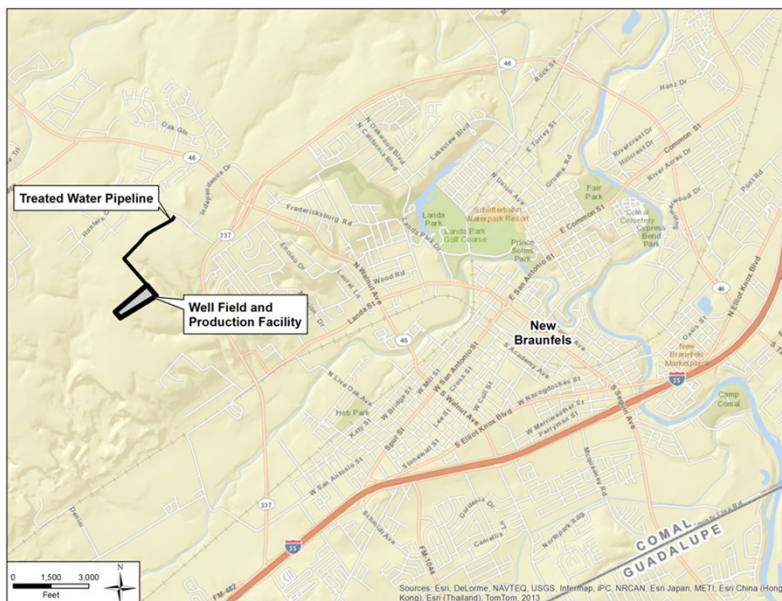
### Mining

County	User	Aquifer	Total Wells	Total Capital Cost	Total Project Cost	Total Annual Cost	Available Project Yield	Annual Unit Cost (\$/ac-ft)
Dimmit	Various	Carrizo-Wilcox	50	\$22,680,000	\$31,690,000	\$3,339,000	0	N/A
Karnes	Various	Gulf Coast	19	\$1,465,000	\$2,071,000	\$242,000	1,864	\$130
La Salle	Various	Carrizo-Wilcox	43	\$19,505,000	\$27,254,000	\$2,735,000	0	N/A
Alternative: Assumes Groundwater Availability from Carrizo-Wilcox Aquifer								
Dimmit	Various	Carrizo-Wilcox	50	\$22,680,000	\$31,690,000	\$3,339,000	4,908	\$680
La Salle	Various	Carrizo-Wilcox	11	\$19,505,000	\$27,254,000	\$2,735,000	4,243	\$645

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9

## NBU Trinity Wells



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1

## NBU Trinity Wells

- Source and Supply:
  - Trinity Aquifer in Comal County
    - Phase I = 545 acft/yr
    - Phase II = 545 acft/yr (pending favorable results of Phase I)
  - Well Field is planned to be located on City property and near Loop 377 and Oak Run Parkway
  - Delivery point existing distribution system at Oak Run Parkway
- Facilities:
  - Phase I
    - 2-400 to 500 gpm wells
    - Well collection pipelines
    - Water treatment plant
    - Transmission pump station
    - 3,500 ft transmission pipeline
  - Phase II
    - 2-400 to 500 gpm wells
    - Expansion of well collection pipelines, water treatment plant and transmission pump station

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2

## NBU Trinity Wells

- Groundwater Availability:
  - Modeled Available Groundwater (MAG) for Guadalupe River basin in Comal County: 34,082 acft/yr
  - Estimated Demands (2070): 12,982 acft/yr
  - Balance of about 21,000 acft/yr
  - There is no local Groundwater Conservation District
  - Test well (small diameter):
    - 620 ft deep
    - Test pumped at 300 gpm
    - Water Quality: fresh
- Potential Issues:
  - Requires EAA review and permit to drill a well through the Edwards and into an underlying formation
  - Impact of faults in Balcones Fault Zone is not known

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3

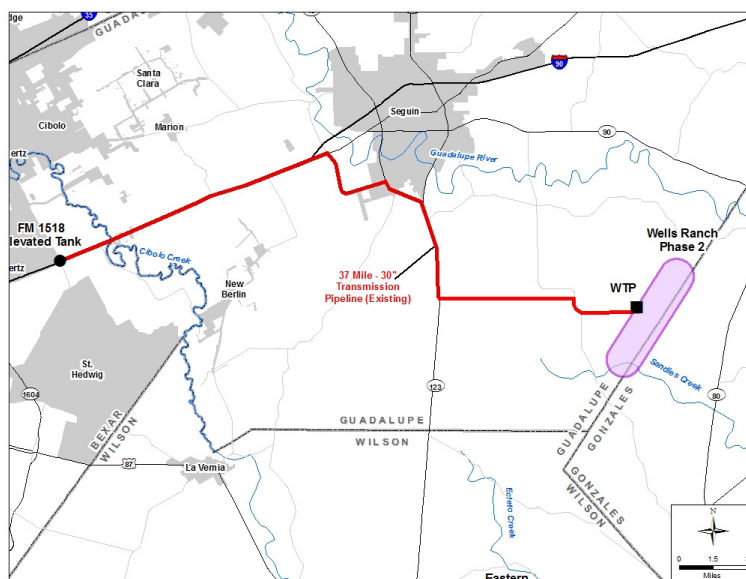
## NBU Trinity Wells

	Phases I and II
<b>Capital Costs</b>	\$4,244,000
<b>Project Costs</b>	\$5,947,000
<b>Annual Costs</b>	\$691,000
<b>Project Yield (acft/yr)</b>	1,090
<b>Unit Costs (\$/acft/yr)</b>	\$634

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4

## CRWA Wells Ranch Phase II



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1

## CRWA Wells Ranch Phase II

- Source and Supply:
  - Carrizo Aquifer groundwater from Guadalupe County
    - Phase I = 5,200 acft/yr (already constructed)
    - Phase II = 7,829 acft/yr (permitted)
  - Delivery point is the FM 1518 Elevated Tank
- Facilities:
  - Phase II
    - 12-500 gpm wells in Guadalupe County
    - Well collection pipelines
    - Water treatment plant expansion

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2

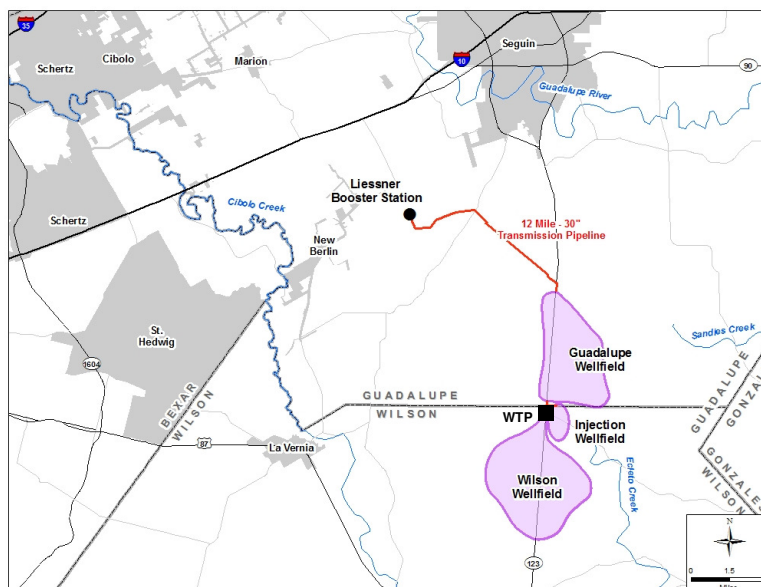
## CRWA Wells Ranch-Phase II

	Phase 2
Capital Costs	\$23,081,000
Project Costs	\$32,315,000
Annual Costs	\$6,264,000
Project Yield (acft/yr)	7,829
Unit Costs (\$/acft/yr)	\$800

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3

## Brackish Wilcox for CRWA



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1

## Brackish Wilcox for CRWA

- Source and Supply:
  - Brackish Wilcox groundwater from Guadalupe and Wilson counties
  - Total Envisioned Project Firm Yield = 14,700 acft/yr
    - Guadalupe County- 7,350 acft/yr
    - Wilson County- 7,350 acft/yr
  - MAG-Limited Project Firm Yield = 3,839 acft/yr
    - Total pumped from aquifer = 4,138 acft/yr
  - Delivery point is new Liessner Booster Station

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2



## Brackish Wilcox for CRWA

- Facilities:
  - Wells with average flow of 800 gpm
    - Envisioned
      - Wilson 10 wells
      - Guadalupe 10 wells
    - MAG-Limited
      - Guadalupe 5 wells
  - Well collection pipelines and pumps
  - New WTP
  - 400 gpm concentrate injection wells near WTP
  - Concentrate Storage Tank
  - Injection line pump station

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3

## Brackish Wilcox for CRWA

- **Groundwater Availability:**
  - For each aquifer in the region, the GCDs have adopted desired future conditions (DFCs). In some GCDs, full use of all groundwater supplies (permitted, grandfathered and exempt) may result in non-achievement of the DFCs for an aquifer. To ensure consistency with the DFCs, TWDB currently requires that groundwater availability for each aquifer be limited for planning purposes to the modeled available groundwater (MAG) for the aquifer. This has resulted, for planning purposes only, in adjustments to permit amounts, and a lack of firm water available for future permits in this plan for some areas for certain time periods. This should not be construed as recommending or requiring that GCDs make these adjustments, or deny future permit applications. SCTRWPG recognizes and supports the ability of permit holders to exercise their rights to groundwater use in accordance with their permits and it recognizes and supports the GCDs discretion to issue permits and grandfather historical users for amounts in excess of the MAG. SCTRWPG may not modify groundwater permits that GCDs have already issued or limit future permits that GCDs may issue. If the MAG is increased during or after this planning cycle, SCTRWPG may amend this Plan to adjust groundwater supply numbers that are affected by the new MAG amount.

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4

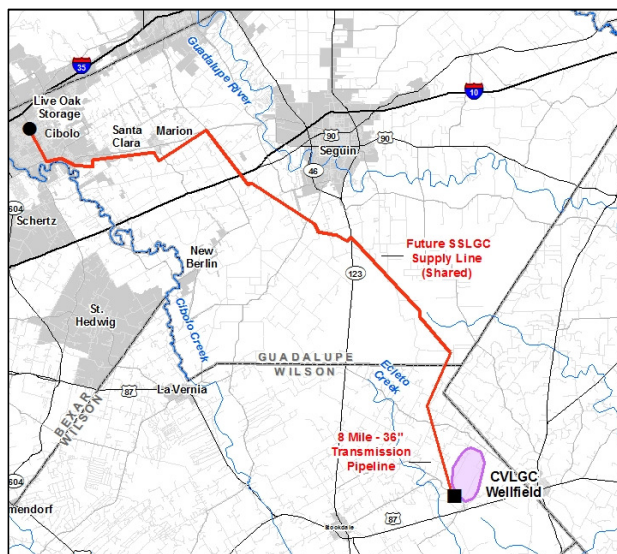
## Brackish Wilcox for CRWA

	Envisioned Project	MAG-Limited Project
Capital Costs	\$129,797,000	\$43,686,000
Project Costs	\$186,713,000	\$62,787,000
Annual Costs	\$32,301,000	\$10,055,000
Project Yield (acft/yr)	14,700	3,839
Unit Costs (\$/acft/yr)	\$2,197	\$2,619

DRAFT (4-21-2014)

5

## Carrizo for Cibolo Valley LGC



### Customers:

- Cibolo
- Converse
- Schertz

DRAFT (4-23-2014)

1

## Carrizo for Cibolo Valley LGC

- Source and Supply:
  - Carrizo groundwater from Wilson County
  - Total Envisioned Project Size= 10,000 acft/yr
  - MAG-Limited Project Firm Yield = 0 acft/yr
  - Delivery point: Tie-in point with SSLGC Expansion Pipeline. Shared facilities to Live Oak Storage Tank
- Facilities:
  - Peaking Factor = 1.3
  - 7 Wells with average flow of 1100 gpm
  - Well collection pipelines and pumps
  - New WTP at well site in Wilson County 12 MGD
  - 36" - 8 mile transmission pipeline

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2

## Carrizo for Cibolo Valley LGC

- **Groundwater Availability:**

- For each aquifer in the region, the GCDs have adopted desired future conditions (DFCs). In some GCDs, full use of all groundwater supplies (permitted, grandfathered and exempt) may result in non-achievement of the DFCs for an aquifer. To ensure consistency with the DFCs, TWDB currently requires that groundwater availability for each aquifer be limited for planning purposes to the modeled available groundwater (MAG) for the aquifer. This has resulted, for planning purposes only, in adjustments to permit amounts, and a lack of firm water available for future permits in this plan for some areas for certain time periods. This should not be construed as recommending or requiring that GCDs make these adjustments, or deny future permit applications. SCTRWPG recognizes and supports the ability of permit holders to exercise their rights to groundwater use in accordance with their permits and it recognizes and supports the GCDs discretion to issue permits and grandfather historical users for amounts in excess of the MAG. SCTRWPG may not modify groundwater permits that GCDs have already issued or limit future permits that GCDs may issue. If the MAG is increased during or after this planning cycle, SCTRWPG may amend this Plan to adjust groundwater supply numbers that are affected by the new MAG amount.

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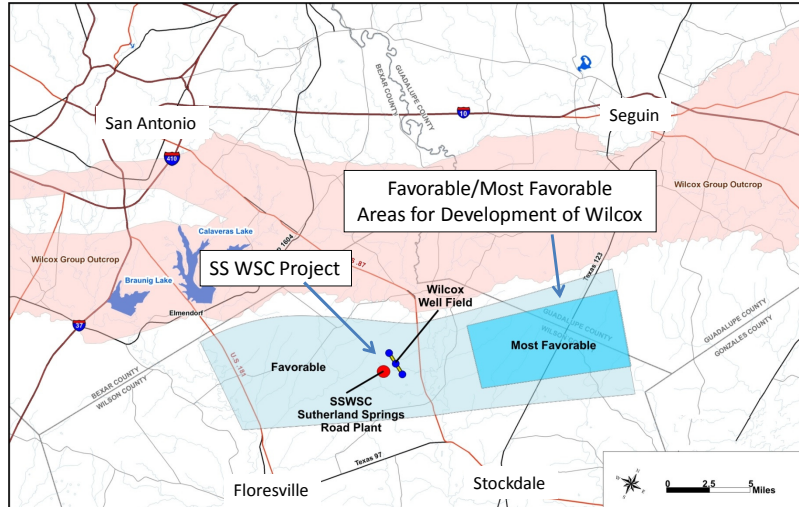
## Carrizo for Cibolo Valley LGC

	Envisioned Project	MAG Limited Project
<b>Capital Costs</b>	\$52,627,000	\$52,627,000
<b>Project Costs</b>	\$73,700,000	\$73,700,000
<b>Annual Costs</b>	\$18,341,000	\$18,341,000
<b>Project Yield (acft/yr)</b>	10,000	0
<b>Unit Costs (\$/acft/yr)</b>	\$1,834	N/A

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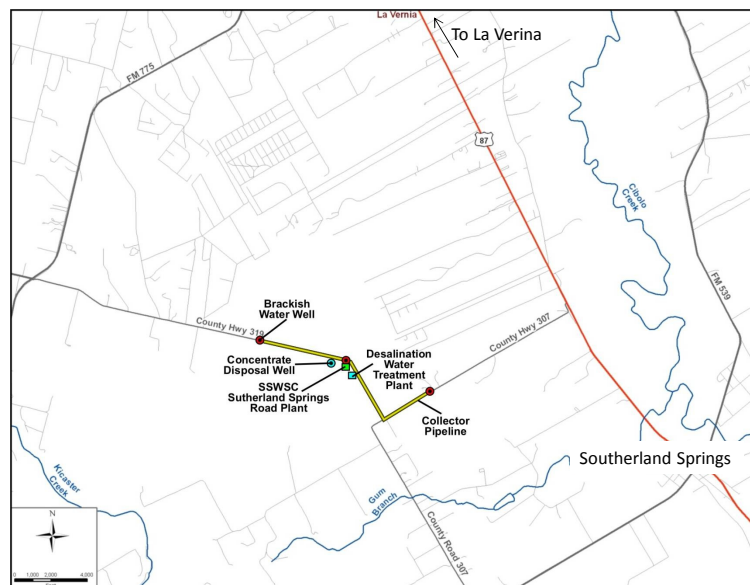
## Brackish Wilcox Groundwater for SS WSC



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## Brackish Wilcox Groundwater for SS WSC



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## ***Brackish Wilcox Groundwater for SS WSC***

- **Supply and Facilities:**
  - Envisioned Project Yield = 1,120 acft/yr (1.0 MGD); Peaking Factor = 2.0
  - MAG-Limited Project Yield = 0 acft/yr
  - 3 Production Wells; Depth: ~1,100 ft; Yield: ~800 gpm;
  - Well Field Collection: ~2 miles of 12-inch diameter
  - Brackish WTP
- **Concentrate**
  - TDS: ~8,000 mg/L;
  - Desalination Efficiency: ~90 percent
  - 1 Injection Well; Depth: ~4,500 ft; Ann. Injection: ~125 acft/yr
- **Groundwater Availability:**
  - Permits: Subject to Rules and Water Management Plans of Evergreen Underground Water Conservation District
  - Well Yield: 750-1,000 gpm
  - Water Quality: TDS Estimated to Range between 1,000-1,500 mg/L

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## ***Brackish Wilcox Groundwater for SS WSC***

- **Groundwater Availability:**
  - For each aquifer in the region, the GCDs have adopted desired future conditions (DFCs). In some GCDs, full use of all groundwater supplies (permitted, grandfathered and exempt) may result in non-achievement of the DFCs for an aquifer. To ensure consistency with the DFCs, TWDB currently requires that groundwater availability for each aquifer be limited for planning purposes to the modeled available groundwater (MAG) for the aquifer. This has resulted, for planning purposes only, in adjustments to permit amounts, and a lack of firm water available for future permits in this plan for some areas for certain time periods. This should not be construed as recommending or requiring that GCDs make these adjustments, or deny future permit applications. SCTRWPG recognizes and supports the ability of permit holders to exercise their rights to groundwater use in accordance with their permits and it recognizes and supports the GCDs discretion to issue permits and grandfather historical users for amounts in excess of the MAG. SCTRWPG may not modify groundwater permits that GCDs have already issued or limit future permits that GCDs may issue. If the MAG is increased during or after this planning cycle, SCTRWPG may amend this Plan to adjust groundwater supply numbers that are affected by the new MAG amount.

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### ***Brackish Wilcox Groundwater for SS WSC***

	Envisioned Project	MAG Limited Project
<b>Capital Costs</b>	\$11,919,000	\$11,919,000
<b>Project Costs</b>	\$16,864,000	\$16,864,000
<b>Annual Costs</b>	\$2,861,000	\$2,861,000
<b>Project Yield (acft/yr)</b>	1,120	0
<b>Unit Costs (\$/acft/yr)</b>	\$2,554	N/A

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