REGIONAL WATER ALLIANCE

Water Planning Meeting
AGENDA

August 25, 2016 at 10:00 a.m.
San Antonio Water System Customer Service Building – Conference Room 145
2800 U.S. Hwy 281 North
San Antonio, Texas 78212

1. Introductions and Certification of a Quorum by the Secretary

2. Approval of the Minutes from the November 17, 2015, March 1, 2016, and May 26, 2016 Meetings

3. Regional Water Alliance Budget Update

4. Region L Administrative Update and Recap of August 4, 2016 Meeting

5. Discussion and Possible Action Regarding Region L 2021 Plan Enhancement Process

6. Other Business/ New Business

7. Adjourn

Council of Representatives
MEETING MINUTES

10:00 a.m. –November 17, 2015
San Antonio River Authority,
Salado Room
100 E. Guenther Street
San Antonio, TX 78204

Council of Representatives Present:

Mike Taylor	Crystal Clear SUD
Brandon Payne	San Antonio Water System
Brandon Bradley	Cibolo Creek Municipal Authority
Humberto Ramos	Canyon Regional Water Alliance
Albert Strzelczyk	East Central SUD
Avery Lunsford	Universal City
Sam Willoughby	Schertz
Steve Raabe	San Antonio River Authority
LeAnn Piatt	City of Converse
Randy Schwenn	City of Marion
Patrick Sullivan	City of Alamo Heights

Members, Guests & Administrative:

Cole Ruiz	San Antonio River Authority

AGENDA ITEM NO. 1: Introductions and Certification of a Quorum by the Secretary

A quorum was established for this meeting.

AGENDA ITEM NO. 2: Approval of the Minutes from the October 1, 2015, Meeting

Mike Taylor made a motion to approve the minutes from the October 1, 2015, meeting. Randy Schwenn seconded the motion. The motion was approved by consensus.

AGENDA ITEM NO. 3: Regional Water Alliance Budget Update

Cole Ruiz, San Antonio River Authority (SARA), briefed the Regional Water Alliance on the current status of the Regional Water Alliance Budget. Mr. Ruiz noted that the current budget for Fiscal Year 2016, was $11,000.00. Mr. Ruiz reviewed the previous spending trends of the RWA.
Humberto Ramos asked if all 21 members of the RWA, including those who do not traditionally attend meetings, contribute to the budget. Mr. Ruiz confirmed that they did. Discussion ensued about getting those members engaged.

AGENDA ITEM NO. 4: Region L Administrative Update and Recap of the November 5, 2015 Meeting

Mr. Ruiz, reported to the Regional Water Alliance (RWA) that the most recent Region L meeting was held on Thursday, November 5, 2015, and reviewed what transpired at the meeting.

Mr. Ruiz briefed the RWA, summarizing the Region L meeting agenda item by item. Mr. Ruiz noted that, concerning agenda item no. 6 of the November Region L meeting that SWIFT funding deadlines were approaching. Ensuing discussion resulted in a request to the Texas Water Development Board attend a future RWA meeting to answer questions regarding processes and deadlines as they relate to planning and SWIFT funding.

Mr. Ruiz continued, noting that HDR Engineering spoke at the Region L meeting about the planning schedule. HDR was to deliver the final Region L 2016 Regional Water Plan by December 1, 2015.

Mr. Ruiz, reviewed additional items from the Region L November meeting, including an amended Region L budget, and the prioritization of water management strategies in the 2016 Regional Water Plan.

Additionally, Mr. Ruiz briefed the RWA on process and votes surrounding the Cibolo Valley Local Government Corporation's Carrizo Project. Cibolo Valley LGC had three versions of the same project in the 2016 Regional Water Plan. Ultimately, after a vote (at the November Region L meeting) to not reconsider the removal of any of the three versions of Cibolo Valley LGC projects from the plan, all three versions ended up included in the approved 2016 Regional Water Plan. The Region L Planning Group subsequently adopted 2016 Regional Water Plan.

Among other items, Mr. Ruiz addressed how the Region L planning group will move forward. An RFP was to be issued shortly to retain professional services (technical consultants) for the fifth cycle of planning (2021 Regional Water Plan development).

AGENDA ITEM NO.5: Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC) Update

Mr. Ruiz briefed the RWA on funding from the Texas Water Development to conduct studies as part of the environmental flows validation process. Mr. Ruiz noted that three studies were being considered, but that none had been decided upon. The BBASC was still in the decision making process, after which they would enter a negotiation stage with the science teams tasked with conducting the proposed studies.

AGENDA ITEM NO.6: Other Business/ New Business

RWA members generally agreed that the meetings should continue to be held after Region L meetings, as has been the traditional practice.

There was a request to provide a list of members to the RWA members, and make a greater effort to engage inactive RWA members.

MINUTES RECOMMENDED FOR APPROVAL BY THE SECRETARY.

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Avery Lunsford, Secretary

Council of Representatives
MEETING MINUTES

10:00 a.m. – March 1, 2016
San Antonio River Authority,
Salado Room
100 E. Guenther Street
San Antonio, TX 78204

Council of Representatives Present:

Mike Taylor	Crystal Clear SUD
Darren Thompson	San Antonio Water System
Brandon Bradley	Cibolo Creek Municipal Authority
Humberto Ramos	Canyon Regional Water Alliance
Alan Cockerell	Schertz-Seguin LGC
Pat Allen	Green Valley SUD
Avery Lunsford	Universal City
Sam Willoughby	Schertz
Patrick Sullivan	City of Alamo Heights
Atilano Aguero	Springs Hill WSC

Members, Guests & Administrative:

Cole Ruiz	San Antonio River Authority
Ron Ellis	Texas Water Development Board
Amber Briggs	Schertz-Seguin LGC
Jim Hooks	Schertz

AGENDA ITEM NO. 1: Introductions and Certification of a Quorum by the Secretary

A quorum was not established for this meeting.

AGENDA ITEM NO. 2: Approval of the Minutes from the October 1, 2015, Meeting

This item was postponed to the May 26, 2016, meeting due to lack of quorum.

AGENDA ITEM NO. 3: Regional Water Alliance Budget Update

Cole Ruiz, San Antonio River Authority (SARA), briefed the Regional Water Alliance on the current status of the Regional Water Alliance Budget. Mr. Ruiz noted that the current budget for Fiscal Year 2016, was $11,000.00. Mr. Ruiz reviewed the previous spending trends of the RWA.

AGENDA ITEM NO. 4: Update from the Texas Water Development Board (TWDB)

Cole Ruiz, San Antonio River Authority (SARA), Ron Ellis to the Regional Water Alliance. Mr. Ellis is the new Region L liaison from the Texas Water Development Board (TWDB).

Ron Ellis provided information as to his background and then gave a general update on TWDB matters. Mr. Ellis informed the RWA that Peter Lake was appointed as a Director on the TWDB Board on December 15, 2015, and provided some background information.

Additionally, Mr. Ellis provided information specific to the application timeline for SWIFT funding and the Fifth Cycle of water planning.

Mr. Ellis informed the RWA that a letter detailing changes to TWDB rules was issued to planning groups throughout the state. The rule changes were being made to effectuate recent legislation, clarify current rules, and update standards. TWDB will be seeking comments on those rule proposals in the coming months. The process by which the TWDB proposes rule changes requires an approval of any rule changes by the Board, and entails publishing those changes for public comment. Upon Board approval of any changes, a public comment period will be triggered where TWDB will solicit comments from stakeholders, including full Regional Water Planning Groups (RWPG) and individual entities. Mr. Ruiz indicated that he would forward the TWDB letter on potential rule changes to the RWA members via email.

Mr. Ellis briefed the RWA on 5th Cycle projections. TWDB is changing the population and municipal water demand projections to be based on water provider service areas instead of political boundaries (called utility-based planning). These projections will be effective for the 2021 Regional Water Plan (RWP) and the 2022 State Water Plan (SWP). Additionally, methodologies currently being used to develop power generation, irrigation, and manufacturing projections are currently being peer reviewed. Any changes to those methodologies will be disclosed when those changes are implemented. With regard to mining and livestock projections, TWDB is looking at two options: either 1) a direct roll over from the 2016 RWP, or 2) using trends based on recent historical use. Regarding population projects, TWDB plans to start with final population number from Database 17 (DB17).

AGENDA ITEM NO. 5: Region L Administrative Update and Recap of the November 5, 2015 Meeting

Mr. Ruiz, reported to the Regional Water Alliance (RWA) that the most recent Region L meeting was held on Thursday, February 11, 2016, and reviewed what transpired at the meeting.

Mr. Ruiz briefed the RWA, summarizing the Region L meeting agenda item by item. Mr. Ruiz noted that, concerning agenda item three, *Election of Officers and Executive Committee for Calendar Year 2016*, the planning group elected Suzanne Scott as Chair, Tim Andruss as Vice Chair, Gary Middleton as Secretary, and Adam Yablonski to fill one of two At-Large positions on the Region L Executive Committee. Mr. Ruiz added that the planning group will fill one remaining At-Large position at its next meeting on May 5, 2016.

Mr. Ruiz informed the RWA that the Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays basin and Bay Stakeholder Committee (BBASC) was in negotiations with several science teams to conduct studies in pursuit of environmental flows standards validation.

Mr. Ruiz told the RWA that, with respect to agenda item eight, recordings of meetings would be

posted on the Region L website in the future.

Mr. Ruiz reviewed agenda item nine, which spoke to conflicts of interest with respect to planning group consultants. Additionally, Mr. Ruiz informed the RWA that the planning group selected Black and Veatch to lead the consulting efforts for the Fifth Cycle of water planning. Brian Perkins, who previously worked for HDR as the consultant for Region L during the Fourth Cycle of the water planning, now works for Black and Veatch. Mr. Perkins will be the point of contact for Region L/RWA interrelated matters that concern the consultant.

Mr. Ruiz encouraged members to attend the next Region L meeting, as a pre-planning public meeting would be held to assess input on improving the process and end product. That meeting would be held on May 5, 2016.

Humberto Ramos suggested that the RWA consider contributing to the Region L Administrative budget. Mr. Ruiz added that RWA has an opportunity to contribute to the next Interlocal Agreement for the Fifth Cycle Administers Budget. Such decision would require action by the RWA.

AGENDA ITEM NO.6: Other Business/ New Business

Humberto Ramos suggested that the RWA develop a position on some of the issues being taken up by the Region L Planning Group.

MINUTES RECOMMENDED FOR APPROVAL BY THE SECRETARY.

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Avery Lunsford, Secretary

Council of Representatives
MEETING MINUTES

10:00 a.m. – May 26, 2016
San Antonio River Authority,
Salado Room
100 E. Guenther Street
San Antonio, TX 78204

Council of Representatives Present:

Mike Taylor	Crystal Clear SUD
Brandon Payne	San Antonio Water System
Brandon Bradley	Cibolo Creek Municipal Authority
Humberto Ramos	Canyon Regional Water Alliance
Steve Raabe	San Antonio River Authority
Avery Lunsford	Universal City
James Hooks	City of Schertz
Patrick Sullivan	City of Alamo Heights

Guests & Administrative:

Cole Ruiz	San Antonio River Authority

AGENDA ITEM NO. 1: Introductions and Certification of a Quorum by the Secretary

A quorum was not established for this meeting.

AGENDA ITEM NO. 2: Approval of the Minutes from the October 1, 2015, Meeting

This item was postponed to the August 24, 2016, meeting due to lack of quorum.

AGENDA ITEM NO. 3: Regional Water Alliance Budget Update

Cole Ruiz, San Antonio River Authority (SARA), briefed the Regional Water Alliance (RWA) on the current status of the Regional Water Alliance Budget. Mr. Ruiz noted that the current RWA account has $9,453.00, which does not include the most recent fees. Mr. Ruiz reviewed the previous spending trends of the RWA. Mr. Ruiz noted that FY 2016/2017 begins in June, and an update to the balance will be provided at the next RWA meeting, August 2016. Humberto Ramos asked what the current fees for membership were. Mr. Ruiz confirmed that the current fees were $200, but that amount could be increased by RWA vote.

AGENDA ITEM NO. 4: Region L Administrative Update and Recap of the May 5, 2016 Meeting

Mr. Ruiz, reported to the Regional Water Alliance (RWA) that the most recent Region L meeting was held on Thursday, May 5, 2016, and reviewed what transpired at the meeting.

Mr. Ruiz briefed the RWA, summarizing the Region L meeting agenda item by item. Beginning with the first agenda item, Mr. Ruiz informed the planning group that the Texas Water Development Board (TWDB) requires all regional water planning groups to hold a "pre-planning public meeting" to receive input from the public and stakeholders not represented on the planning group. That requirement was fulfilled at the May 5th Region L meeting. Several comments were submitted, all of which can be found on the meeting materials page at www.regionltexas.org. Mr. Ruiz added that from now on, all Region L recording will be uploaded to Youtube.com, and posted on the Region L website. Minutes will also be available once they have been approved by the Planning Group.

Mr. Ruiz informed the RWA that, pursuant to agenda item 4, of the May 5th agenda, Kevin Janak was selected by the Planning Group to serve on the Region L Executive Committee in the At-Large position.

Mr. Ruiz informed the RWA that the Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas, and San Antonio Bays Basin and Bay Stakeholder Committee (BBASC) had negotiated contracts with two of three science teams, which the BBASC selected to conduct studies in pursuit of environmental flows standards validation. The third contract was still being executed.

Mr. Ruiz provided a handout in the meeting materials of a PowerPoint presentation that was given by Ron Ellis (TWDB) at the Region L meeting. The information included in the presentation was a review of the 2017 State Water Plan. Mr. Ruiz provided a link (https://2017.texasstatewaterplan.org/statewide) to TWDB's interactive website, which houses the 2017 State Water Plan. Mr. Ruiz reminded the RWA that Ron Ellis has made himself available to the RWA to answer any questions its members may have.

Mr. Ruiz provided information about the TWDB proposed rule changes, and provided a copy of the Planning Group's recommendations regarding those rule changes. Once the rule changes are adopted, TWDB will open a public comment period. Should the RWA or its member entities wish to submit comments at that point, the may do so.

Mr. Ruiz briefed the RWA on the TWDB's new method for determining population projections and water demand. Where in the past such determinations were made using a city/county based method, now TWDB has employed a utility based planning method.

Mr. Ruiz explained the Planning Group's efforts to improve the planning process through, what has been identified as, the 2021 Plan Enhancement Process. Accordingly, the Planning Group has developed the idea of preparing a Guiding Principles document, which will serve as tool through the fifth cycle of planning. Over the next year and half, the Planning Group will address the issues identified through the 2021 Plan Enhancement Process and develop guiding principles on how the Planning Group will address such issues as they come to be.

Mr. Ruiz notified the RWA that the Planning Group is soliciting nominations to fill expiring terms, which will become vacant in August 2017. Information regarding the specific terms that were being expired was provided.

AGENDA ITEM NO.6: Other Business/ New Business

There was no new business or other business.

MINUTES RECOMMENDED FOR APPROVAL BY THE SECRETARY.

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Avery Lunsford, Secretary

San Antonio River Authority
Project Expenditure Status Report
as of 08/31/2016

Project ID: 00000020 **Regional Water Alliance** **Regional Water Alliance**

Key: 0102106030 Regional Water Alliance FY16

Object - Description	Budget	Actual	Encumbrance	Remaining
00000191 - Not Applicable - Labor	4,000.00	1,583.50	0.00	2,416.50
00000299 - Other	500.00	107.42	0.00	392.58
00000392 - Professional Services	6,500.00	0.00	0.00	6,500.00
.	11,000.00	1,690.92	0.00	9,309.08
Total JL Key	11,000.00	1,690.92	0.00	9,309.08

Key: 0102107030 Regional Water Alliance FY17

Object - Description	Budget	Actual	Encumbrance	Remaining
00000191 - Not Applicable - Labor	2,750.00	0.00	0.00	2,750.00
00000299 - Other	3,250.00	0.00	0.00	3,250.00
.	6,000.00	0.00	0.00	6,000.00
Total JL Key	6,000.00	0.00	0.00	6,000.00
Total Project:	$17,000.00	$1,690.92	$0.00	$15,309.08
Total Regional Water Alliance:	17,000.00	1,690.92	0.00	15,309.08
Total Report:	$17,000.00	$1,690.92	$0.00	$15,309.08

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, August 4, 2016, at 9:30 a.m. at San Antonio Water System (SAWS), Customer Service Building, Room CR 145, 2800 US Highway 281 North, San Antonio, Bexar County, Texas. The following subjects will be considered for discussion and/or action at said meeting. Additionally,

1. Public Comment

2. Approval of the Minutes from the May 5, 2016, Meeting of the South Central Texas Regional Water Planning Group (Region L)

3. Elections to Fill Vacancies of South Central Texas Regional Water Planning Group (SCTRWPG) Voting Member Terms Expiring August 2016

4. Status of Edwards Aquifer Habitat Conservation Plan (HCP) – Nathan Pence, Executive Director EAHCP

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)

6. Texas Water Development Board (TWDB) Communications

7. Chair's Report

8. Discussion and Appropriate Action Regarding Consultant's Work and Schedule

    a. Proposed Water User Groups (WUGs) for the 2021 Region L Regional Water Plan

    b. Black and Veatch Disclosure of Relationships

9. Discussion and Appropriate Action Regarding TWDB Proposed Rule Changes

10. Rainwater Harvesting Presentations – Brian Perkins, John Kight & Jack Holmgreen

11. Discussion and Appropriate Action Adopting Guiding Principles on the Following Issues Identified Through the 2021 Plan Enhancement Process

    a. Appropriateness and Adequacy of How Demand and Need are Determined

    b. Role of RWPs in Influencing Population Growth and Land Use

    c. Conflicts of Interests With Respect to Planning Group Members

12. Discussion and Appropriate Action Regarding the Following Components of the 2021 Plan Enhancement Process

    a. The Role of the Planning Group in Influencing Water Development Plans of Water Suppliers

    b. The Role of the Planning Group in Influencing Permitting Entities

13. Administrator Update on Interlocal Agreement for Funding SCTRWPG Administrative Costs for the Fifth Cycle of Regional Water Planning

14. Possible Agenda Items for the Next Region L Meeting

    a. Review and Adoption of New Guiding Principles

    b. 2021 Plan Enhancement Discussion on 1) The Adequacy of Evaluating the Plan's Effects on Freshwater Inflows to San Antonio Bay, 2) The Adequacy of Environmental Assessments of Individual WMS's, and 3) A set of guiding principles to serve as blueprint for long-term sustainability.

    c. Texas A&M Institute for Renewable Natural Resources Land Trend/ Water Resources Study Presentation

    d. Authorization for Administrator to Provide Public Notice and Submit a Grant Application to TWDB for Fifth Cycle Funding, and to Negotiate and Execute the Amendment to the TWDB Contract

15. Public Comment

1. Comments from Texas Water Development Board (TWDB) Director Kathleen Jackson

WATER FOR TEXAS

2017 State Water Plan

Kathleen Jackson, Director

Texas Water Development Board

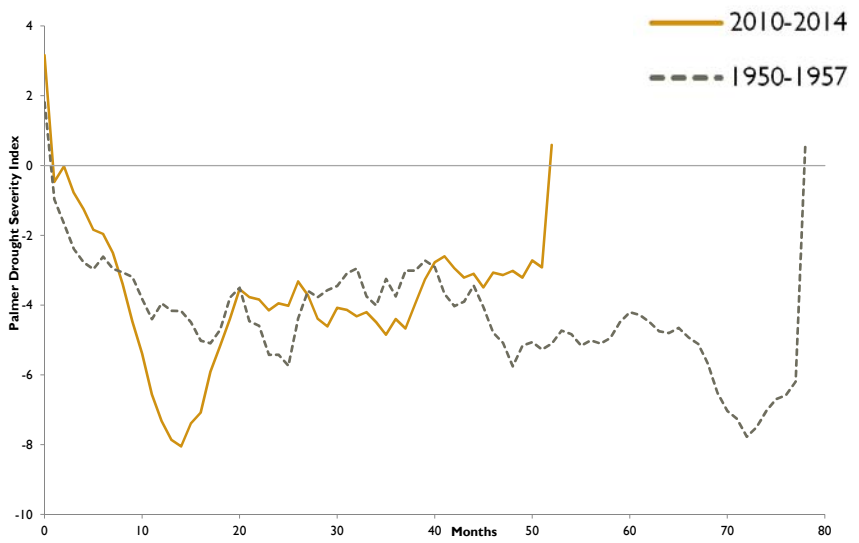
254 counties

23 river basins

16 water planning areas

30 aquifers

WORST STATEWIDE TEXAS DROUGHTS



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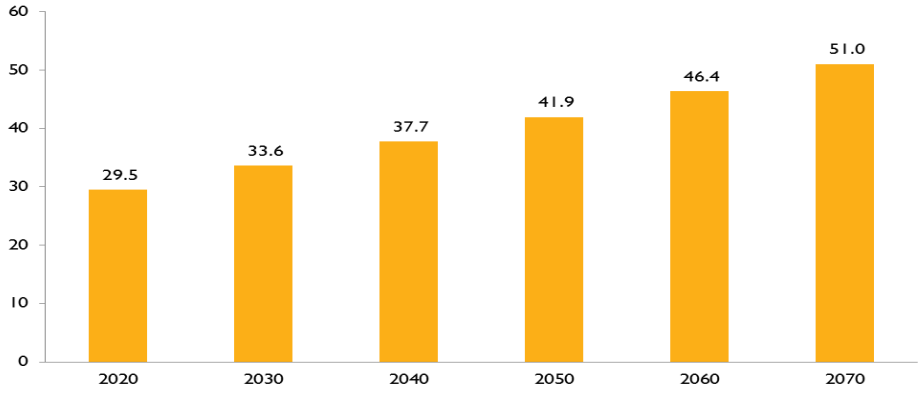
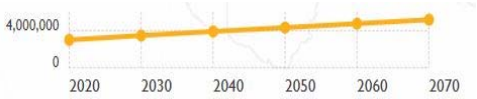
PROJECTED **TEXAS** POPULATION GROWTH



Region L: +73%



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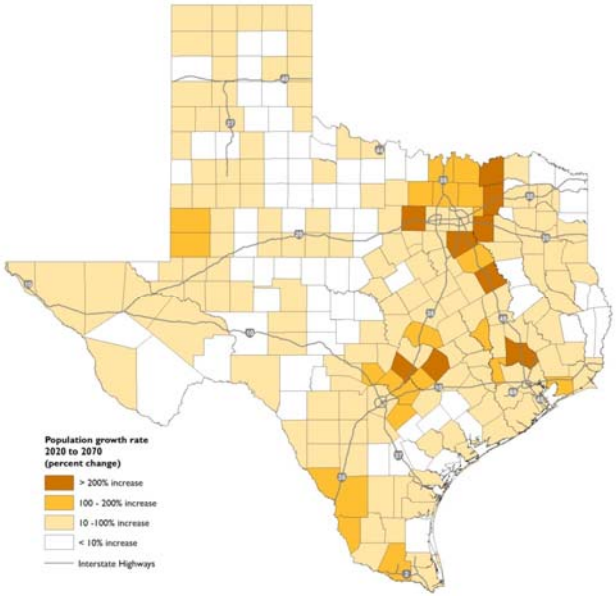
PROJECTED GROWTH RATE IN TEXAS COUNTIES



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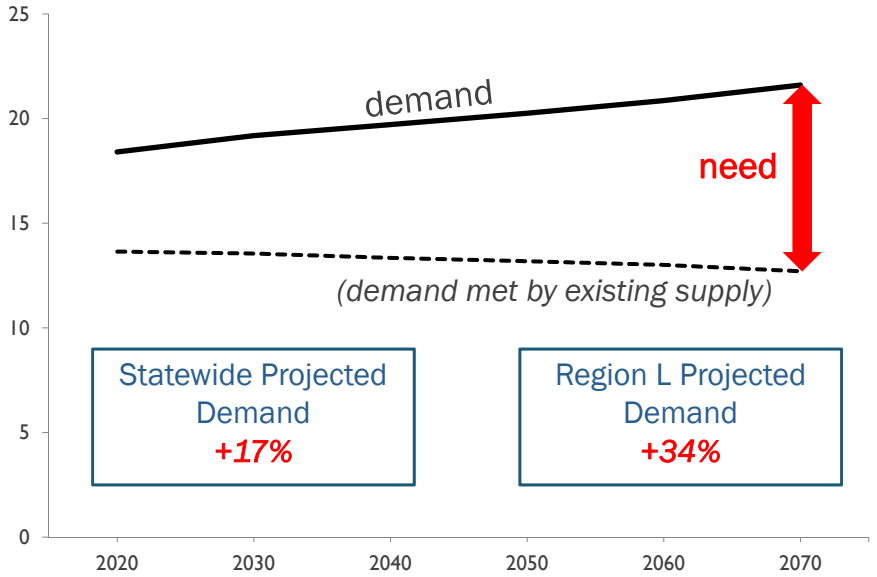
PROJECTED WATER NEED



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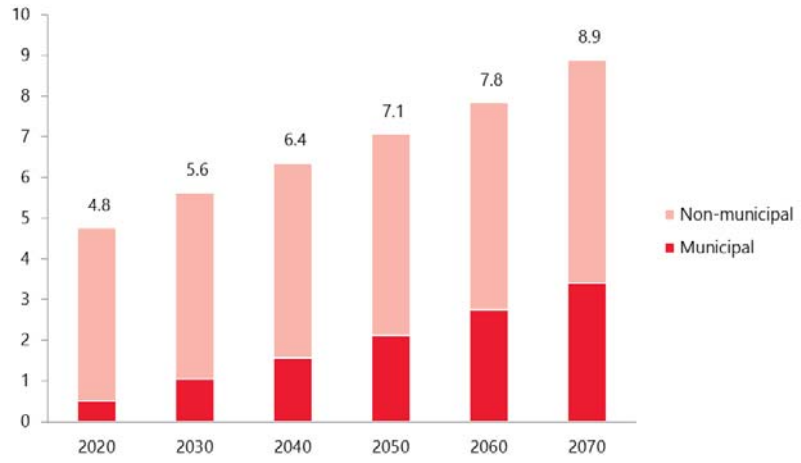
PROJECTED ANNUAL WATER NEEDS IN TEXAS



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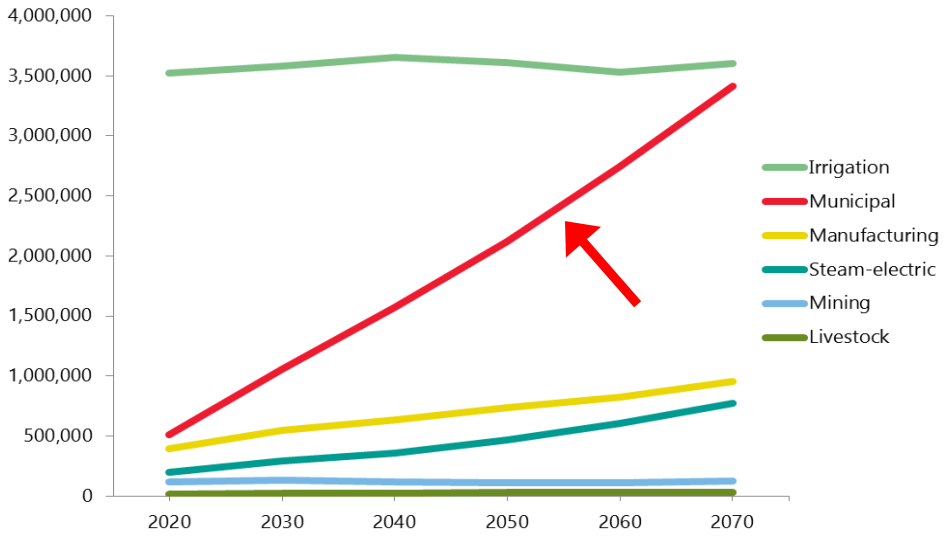
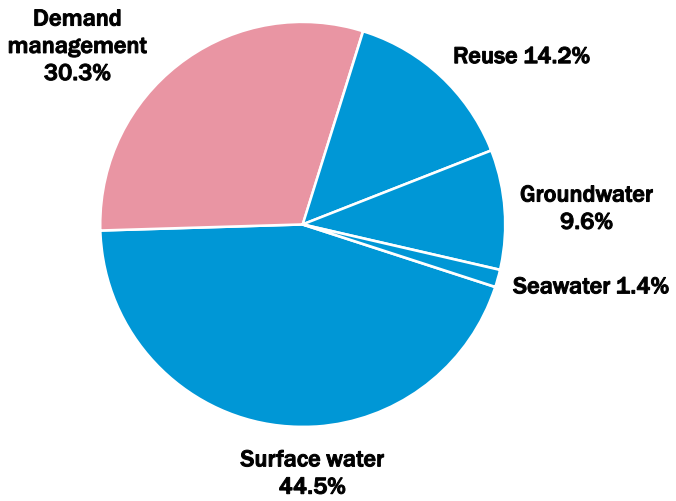
STATE-WIDE WATER NEEDS BY WATER USE CATEGORY



8

STRATEGIES BY WATER RESOURCE IN 2070



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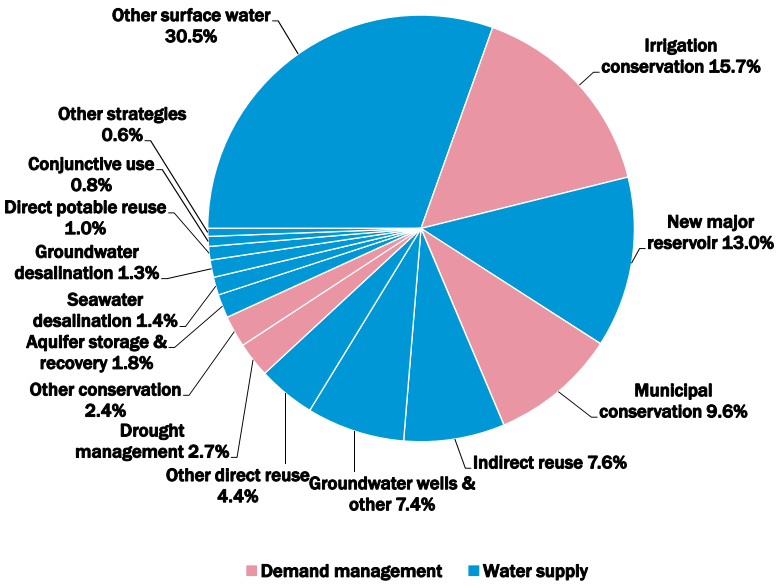
STRATEGIES BY TYPE IN 2070



10

TOP THREE STRATEGIES

	2020	2070
Statewide	- *Other Surface Water* - *Irrigation Conservation* - Groundwater Wells & Other	- *Other Surface Water* - *Irrigation Conservation* - ***New Major Reservoir***
Region L	- Other Direct Reuse - Groundwater Wells & Other - Municipal Conservation	- Groundwater Wells & Other - Other Direct Reuse - ***New Major Reservoir***

11

CONSERVATION - 2017 STATE WATER PLAN

- Conservation makes up over one quarter of strategy supplies in 2070
- Most frequently recommended strategy in the 2017 Plan
- Over $4 billion in capital costs
- Demand management (long-term conservation and temporary drought management restrictions) and reuse combined make up 45% of total strategy volumes.

12

NOTABLE CHANGES IN STRATEGIES

Conservation

Over 25% of all strategies

Aquifer Storage and Recovery

350% Increase

Direct Potable Reuse

Recommended 7x as much!

13

Strategies, projects, and cost of the plan

5,500 strategies

2,500 projects

Capital cost of **$63** billion

14

PROGRAM YEAR 2015

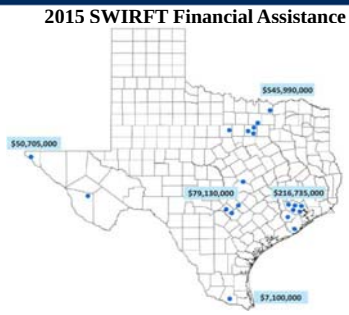
- $900 million in financial assistance in 2015 (approximately)
- $3.9 billion in financial assistance over the next decade (approximately)
- 20 project sponsors
- 30 projects
- $106 million in projected savings
- AAA rating

Turns Planning into Projects

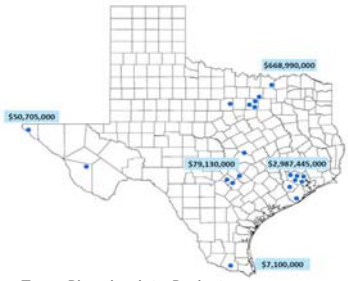
15

COMMUNITIES SERVED

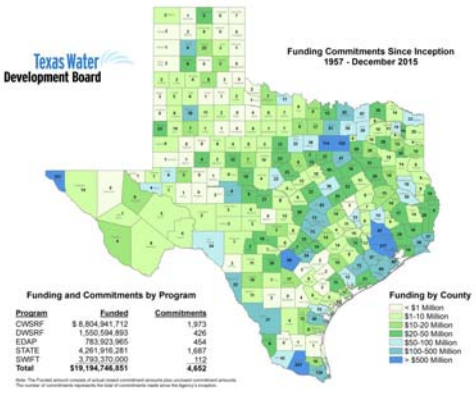
2015 SWIRFT Financial Assistance



Multi-Year Financial Assistance Request*



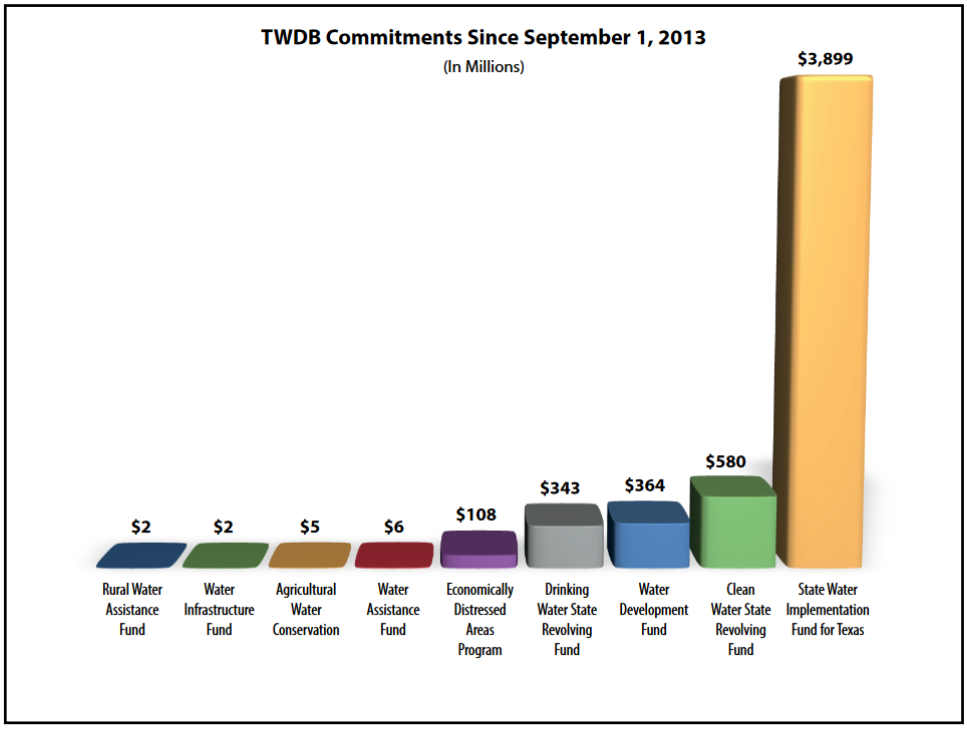
Total Funding Commitments*
(Loans and Grants)
Post-SWIRFT 1957 – December 2015



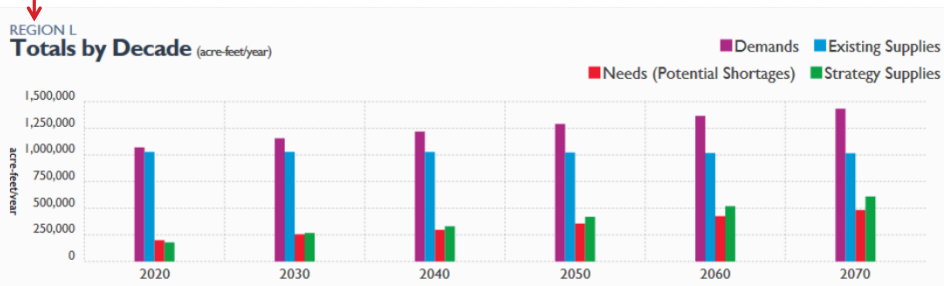
* Preliminary, subject to change
** Multi-year commitments include the 2015 financial assistance requests

Turns Planning into Projects

16



ONLINE 2017 STATE WATER PLAN



	2020	2030	2040	2050	2060	2070
Demands	1,070,354	1,156,030	1,219,229	1,290,567	1,366,447	1,433,835
Existing Supplies	1,027,889	1,028,407	1,027,680	1,022,969	1,017,842	1,015,732
Needs (Potential Shortages)	200,071	255,549	297,009	356,247	425,454	482,943
Strategy Supplies	179,616	267,718	330,786	419,210	519,234	609,779

http://texasstatewaterplan.org

18

EXAMPLES OF PROJECTS REGION L IDENTIFIED TO ADDRESS POTENTIAL NEEDS

REGION L
Recommended Projects

Total capital cost of recommended projects: **$8,076,371,531**

Type to filter table

Project ▲	Decade Online	Sponsor	Capital Cost
BRACKISH WILCOX GROUNDWATER FOR CRWA	2030	CANYON REGIONAL WATER AUTHORITY	$62,787,000
BRACKISH WILCOX GROUNDWATER FOR SAWS	2020	SAN ANTONIO WATER SYSTEM	$53,162,000
BRACKISH WILCOX GROUNDWATER FOR SS WSC	2070	S S WSC	$16,864,000
BRACKISH WILCOX GROUNDWATER FOR SSLGC	2020	SCHERTZ-SEGUIN LOCAL GOVERNMENT CORPORATION	$54,133,000
CIBOLO VALLEY LCG CARRIZO PROJECT	2020	CIBOLO VALLEY LOCAL GOVERNMENT CORPORATION	$69,382,000
CPS DIRECT RECYCLE PIPELINE	2020	SAN ANTONIO WATER SYSTEM	$30,000,000
CRWA SIESTA PROJECT	2030	CANYON REGIONAL WATER AUTHORITY	$68,798,000
CRWA WELLS RANCH PROJECT PHASE II	2020	CANYON REGIONAL WATER AUTHORITY	$37,292,000
EXPANDED BRACKISH WILCOX PROJECT - SAWS	2020	SAN ANTONIO WATER SYSTEM	$723,175,000
EXPANDED LOCAL CARRIZO FOR SAWS	2020	SAN ANTONIO WATER SYSTEM	$19,332,000

1 2 3 4 5 Next

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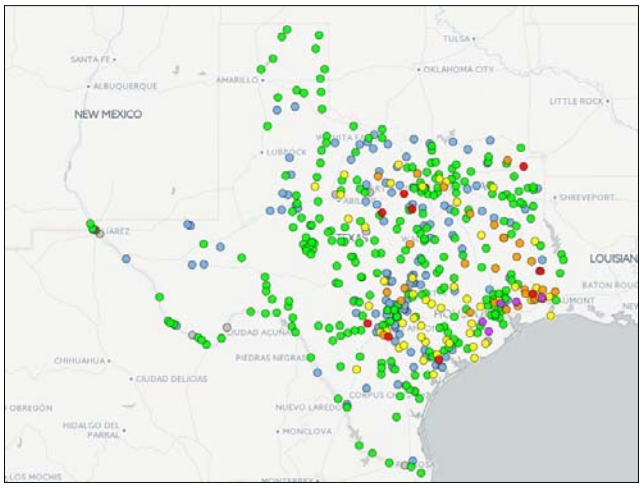
TEXASFLOOD.ORG



TEXASFLOOD.org
Tools for Texans to track flood conditions

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SAVE THE DATE!

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HOW TO CONTACT ME

Kathleen Jackson, P.E.
@twdb_kathleen
512.463.7847
Kathleen.Jackson@twdb.texas.gov

www.twdb.texas.gov

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8 Discussion and Appropriate Action Regarding Consultant's Work and Schedule

a. Proposed Water User Groups (WUGs) for the 2021 Region L Regional Water Plan

b. Black and Veatch Disclosure of Relationships

BUILDING A WORLD OF DIFFERENCE

August 4, 2016

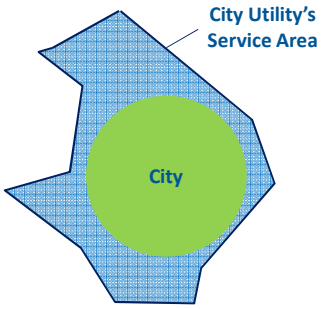
PROPOSED WATER USER GROUPS (WUGS) FOR THE 2021 REGION L WATER PLAN

INITIAL DRAFT INFORMATION FROM TWDB

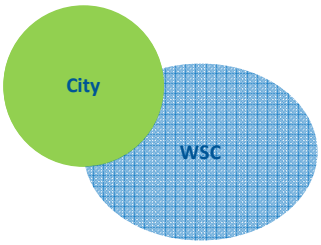
BLACK & VEATCH
Building a world of difference.

UTILITY-BASED PLANNING

- 2016 RWPs



Example 1

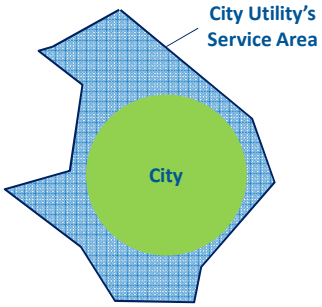


Example 2

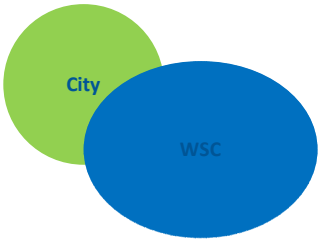
2

UTILITY-BASED PLANNING

- **2021 RWPs**



Example 1



Example 2

3

WUGS FOR 2021 RWP

- **109 Public WUGs**
  - 16 New
  - 93 Existing
  - 27 Reassigned
- **4 Facilities for Consideration**
- **5 Private Utilities for Consideration**

4

16 NEW WUGS

- BATESVILLE WSC
- BEXAR COUNTY WCID 10
- CARRIZO HILL WSC
- FAYETTE WSC
- GUADALUPE-BLANCO RIVER AUTHORITY
- HAYS COUNTY WCID 1
- HAYS COUNTY WCID 2
- KNIPPA WSC
- LOMA ALTA CHULA VISTA WATER SYSTEM
- MEDINA COUNTY WCID 2
- MEDINA RIVER WEST WSC
- MOORE WSC
- PICOSA WSC
- QUAIL CREEK MUD
- VICTORIA COUNTY WCID 1
- WINDMILL WSC

5

27 REASSIGNED WUGS

Previous WUG	New WUG
BALCONES HEIGHTS	SAN ANTONIO WATER SYSTEM
BULVERDE	COUNTY-OTHER
CANYON LAKE WATER SERVICE COMPANY	COUNTY-OTHER
CASTLE HILLS	SAN ANTONIO WATER SYSTEM
CHINA GROVE	SAN ANTONIO WATER SYSTEM
ENCINAL	ENCINAL WSC
HELOTES	SAN ANTONIO WATER SYSTEM
HILL COUNTRY VILLAGE	SAN ANTONIO WATER SYSTEM
HOLLYWOOD PARK	SAN ANTONIO WATER SYSTEM
MARTINDALE	MARTINDALE WSC
MOUNTAIN CITY	COUNTY-OTHER
MUSTANG RIDGE	CREEDMOOR-MAHA WSC
NEW BERLIN	EAST CENTRAL SUD / GREEN VALLEY SUD
NIEDERWALD	GOFORTH SUD
OLMOS PARK	SAN ANTONIO WATER SYSTEM
PLUM CREEK WATER COMPANY	COUNTY-OTHER
SAN ANTONIO	SAN ANTONIO WATER SYSTEM
SANTA CLARA	MARION / GREEN VALLEY SUD
SOMERSET	SAN ANTONIO WATER SYSTEM
ST. HEDWIG	EAST CENTRAL SUD / GREEN VALLEY SUD
TERRELL HILLS	SAN ANTONIO WATER SYSTEM
UHLAND	COUNTY LINE WSC
VON ORMY	~~ATASCOSA RURAL WSC~~ SAN ANTONIO WATER SYSTEM
WATER SERVICES INC	COUNTY-OTHER
WIMBERLEY	WIMBERLEY WSC
WINDCREST	BEXAR COUNTY WCID 10
WOODCREEK	COUNTY-OTHER

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4 FACILITIES TO CONSIDER

- FORT SAM HOUSTON
- TEXAS STATE UNIVERSITY
- LACKLAND AIR FORCE BASE
- RANDOLPH AIR FORCE BASE

NOTE: Per the Joint Base San Antonio agreement, Camp Bullis is served by SAWS in full. Ft Sam Houston, Lackland, Medina, and Security Hill have own supply and have SAWS as backup. Randolph is self-supplied with back-up from others.

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5 PRIVATE UTILITIES TO CONSIDER

- AIR FORCE VILLAGE II INC
- CLEAR WATER ESTATES WATER SYSTEM
- KENDALL WEST UTILITY
- KT WATER DEVELOPMENT
- WINGERT WATER SYSTEMS

8

PROCEDURE

- Develop list of suggestions/corrections
- Develop list of Facilities and Private Utilities that SCTRWPG recommends for inclusion
- Submit lists to TWDB by September 30, 2016

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11. Discussion and Appropriate Action Adopting Guiding Principles on the Following Issues Identified Through the 2021 Plan Enhancement Process

    a. Appropriateness and Adequacy of How Demand and Need are Determined

    b. Role of RWPs in Influencing Population Growth and Land Use

    c. Conflicts of Interests With Respect to Planning Group Members

The text in blue is only for background purposes, and will not be included in the final Guiding Principle Document.

South Central Texas Regional Water Planning Group

2021 Regional Water Plan Enhancement Process Guiding Principles

<u>Appropriateness and Adequacy of How Demand and Need are Determined</u>

Summary of Notes from May 5, 2016:

Define TWDB's process regarding population and water demand projections, and then make sure everyone understands it. Receive population and water demand projections recommendation from TWDB. Have the opportunity to review. Request changes on a case by case basis as early in the process as possible.

Excerpt from Chapter 8 Policy Recommendations and Unique Sites (2016 RWP) Concerning Population and Water Demand Projections:

> 8.9.3 Population and Water Demand Projections
>
> The SCTRWPG recognizes that the TWDB bases its water demand projections on patterns of population and economic growth while also permitting revisions of state data to incorporate additional information developed by the planning regions. The SCTRWPG appreciates that the TWDB has facilitated more active involvement of the Regional Water Planning Groups in refining water demand projections for use in the 2016 regional water plans. Nevertheless, some groups believe that the methodology puts an unfair limitation on access to water for future growth, particularly in areas that may experience more rapid change than they have in the past. The SCTRWPG has struggled with the lack of flexibility within the methodology to address rapidly growing municipal water demands associated with the transient work forces and long-term operations and maintenance 2016 South Central Texas Regional Water Plan personnel supporting extraction, collection, and transport of oil and gas resources found in the Eagle Ford shale. In circumstances such as this, the SCTRWPG encourages greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed. Water demand projections used in developing the Regional Water Plan should be consensus figures arrived at by using TWDB data along with local input from the cities, counties, and groundwater districts.

Guiding Principle:
Discussed at SCTRWPG meeting on May 5, 2016, Ratified August 4, 2016
The South Central Texas Regional Water Planning Group (SCTRWPG) generally defers to the Texas Water Development Board (TWDB) on matters related to population and water demand projections. However, the SCTRWPG retains the duty to review TWDB projections on a case by case basis. Where the SCTRWPG finds a discrepancy in TWDB's projections, and can adequately justify its findings by verifying one or more of the "criteria for adjustment," TWDB – in consultation with Texas Department of Agriculture, Texas Commission on Environmental Quality, and Texas Parks and Wildlife Department – may adjust population and/or water demand projections accordingly (see generally *General Guidelines for Fifth Cycle of Regional Water Plan Development*, Article 2. *Population and Water Demand Projections*). Consistent with Chapter 8 of the 2016 Regional Water Plan for Region L, the SCTRWPG supports greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed (see Chapter 8.9.3 *Population and Water Demand Projections)*. Water demand projections used in developing the Regional Water Plan should be consensus

2021 Plan Enhancement Process Schedule	
May 2016	The appropriateness and adequacy of how demand and need are determined.
	The role of regional water planning groups in influencing population growth and land use.
	Defining conflicts of interests of planning group members
August 2016	The role of regional water planning groups in influencing water development plans of water suppliers.
	The role of regional water planning groups in influencing permitting entities.
November 2016	The adequacy of evaluating the Plan's effects on freshwater inflows to San Antonio Bay.
	The adequacy of environmental assessments of individual WMS's.
	A set of guiding principles to serve as a blueprint for long-term water sustainability.
February 2017	How Water Management Strategies are categorized; e.g. Recommended, Alternate, Needing Further Study.
	The extent to which innovative strategies should be used.
	Maintaining management supplies while avoiding "over planning".
Other	Identifying special studies or evaluations deemed important to enhance the 2021 Plan and identification of outside funding sources.
	Address the role of reuse within the regional water plan.
	Any other subjects that the planning group agrees to address.

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figures arrived at by using TWDB data along with local input from the cities, counties, and groundwater districts.

Role of Regional Water Planning Groups in Influencing Population Growth and Land Use

Summary of Notes from May 5, 2016: See Chapter 8 for current statement. It's not the role or responsibility of the planning group to influence population growth and land use. However, it's the planning group's duty to be cognizant of the sensitive relationship between the plan, population growth and land use.

Excerpt from Chapter 8 Policy Recommendations and Unique Sites (2016 RWP) Concerning Population and Water Demand Projections:

> 8.9.3 Population and Water Demand Projections
>
> The SCTRWPG recognizes that the TWDB bases its water demand projections on patterns of population and economic growth while also permitting revisions of state data to incorporate additional information developed by the planning regions. The SCTRWPG appreciates that the TWDB has facilitated more active involvement of the Regional Water Planning Groups in refining water demand projections for use in the 2016 regional water plans. Nevertheless, some groups believe that the methodology puts an unfair limitation on access to water for future growth, particularly in areas that may experience more rapid change than they have in the past. The SCTRWPG has struggled with the lack of flexibility within the methodology to address rapidly growing municipal water demands associated with the transient work forces and long-term operations and maintenance 2016 South Central Texas Regional Water Plan personnel supporting extraction, collection, and transport of oil and gas resources found in the Eagle Ford shale. In circumstances such as this, the SCTRWPG encourages greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed. Water demand projections used in developing the Regional Water Plan should be consensus figures arrived at by using TWDB data along with local input from the cities, counties, and groundwater districts.

Guiding Principle:
Discussed at SCTRWPG meeting on May 5, 2016, Ratified August 4, 2016
Where the concepts of population growth and land use necessarily interrelate with the Regional Water Plan, the SCTRWPG shall, to the greatest extent possible, develop strategies to meet future projected demands. However, it is neither the role, nor the responsibility of the SCTRWPG to influence population growth or land use. While the SCTRWPG has a duty to remain cognizant of the sensitive relationship between the Regional Water Plan, population growth and land use, decisions concerning permitting and influencing population growth are inherently local, and remain wholly independent from the regional water planning process.

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Conflicts of Interests With Respect to Planning Group Members

Summary of Notes from May 5, 2016: Changes to form (require info concerning nominee's "employer," as opposed to "occupation," and clarification of concerning "interest group"). Ask nominees to abide by the code of conduct. Bylaws will be given to nominees prior to interview. Executive committee will ask, as a standard interview question, whether nominees agree to abide by the Code of Conduct.

Guiding Principle:
Discussed at SCTRWPG meeting on May 5, 2016, Ratified August 4, 2016

1. Active Planning Group Members

All disclosures pursuant to Article V, Section 6 of the SCTRWPG Bylaws, are within the purview of the planning group member or designated alternate who has the potential conflict of interest. Therefore, disclosures are the responsibility of the planning group member or designated alternate. If the voting member choses to abstain from participation in deliberations, decisions, or voting, pursuant to Article V, Section 6 of the SCTRWPG Bylaws, the reason for abstention shall be noted in the minutes.

> **SCTRWPG Bylaw Excerpt**
>
> Potential conflicts of interest shall be clearly stated by the voting member or designated alternate prior to any deliberation or action on an agenda item with which the joint member or designated alternate may be in conflict. Where the potential conflict is restricted to a divisible portion of an agenda item, the Chair may divide the agenda item into parts for deliberation and voting purpose. An abstention from participation in deliberations, decisions or voting and the reason therefore shall be noted in the minutes.

(see *SCTRWPG Bylaws*, Article V, Section 6, (b))

2. Nomination Process

Where the SCTRWPG is soliciting nominations to fill vacancies on the planning group, nominators shall provide information regarding the nominee's current employer, and provide a description of the nominee's experience that qualifies him/her for the position in the interest group being sought to represent.

Additionally, nominees shall agree to abide by the Code of Conduct, which is incorporated in the SCTRWPG Bylaws (see *SCTRWPG Bylaws*, Article V, Section 6). As per the Bylaws, the Executive Committee will conduct an interview process whereby nominees will be evaluated. Prior to the interview, nominees will be provided a copy of the Bylaws. During the interview process, nominees will be asked if they are willing to agree to to the Bylaws, and specifically, if they are willing to comply with the Code of Conduct.