

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 (SCTRWPG) as established by the Texas Water Development Board will be held on Thursday, August 3, 2023 at 9:30 AM both in person and virtually. The in person meeting will be held at the San Antonio Water System's Customer Service Building, Room CR-145, 2800 US Hwy 281 North, San Antonio, TX 78212. You can attend virtually on WebEx at <https://saws.webex.com/saws/j.php?MTID=m60644f43215fda1495802cf7ffc3e419>. The planning group members will consider and may take action regarding:

1. (9:30 AM) Roll-Call
2. Public Comment
3. Approval of the Minutes from the Previous Meeting of the South-Central Texas Regional Water Planning Group (SCTRWPG)
4. Discussion and Appropriate Action Regarding Filling Existing Vacancies and Vacancies to Result from Future Term Expirations or Resignations
5. Status Reports and Communications by TWDB
6. Status Reports and Communications Related to Regional Water Planning including reports by the Chair, Regional Liaisons, Groundwater Management Area Representatives, and Members of the Planning Group
7. Presentation by the San Antonio Water System on the 88th Legislative Session
8. Presentation by Technical Consultant Regarding:
  - a. Schedule and Progress Updates
  - b. Population and Municipal Water Demand Projections and Supporting Data
9. Discussion and Appropriate Action Regarding Recommendation for Feedback to TWDB on Population and Municipal Water Demands Data
10. Discussion and Appropriate Action Regarding the Establishment of Additional Subcommittees
11. Discussion and Appropriate Action Regarding Amendment to Task Budget
12. Schedule and Potential Agenda Items for the Next Meeting of the SCTRWPG
13. Public Comment
14. Adjourn

Comments and submissions may be submitted through email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org). Any written documentation can be sent to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Caye Castillo, 100 E. Guenther Street, San Antonio, TX 78204. Please direct any questions to Caye Castillo at (210) 302-4258.

**AGENDA ITEM NO.3 – APPROVAL OF THE MINUTES FROM THE PREVIOUS MEETING OF THE SCTRWPG**

**Minutes of the South Central Texas Regional Water Planning Group  
May 4, 2023**

Chair Andruss called the hybrid meeting to order at 9:34 a.m., held both in person and through WebEx online platform.

**27 of the 32** voting members, or their alternates, were present.

**Voting Members Present:**

Tim Andruss	Robert Puente
Ryan Bayle	Vanessa Puig Williams
Curt Campell	Humberto Ramos
Debbie Farmer	Weldon Riggs
Charlie Flatten	Roland Ruiz
Erin Cavazos for Steve Graham	Blaine Schorp for Diane Savage
Vic Hilderbran	Mitchell Sowards
Thomas Jungman	Jonathan Stinson
Russell Labus	Thomas Taggart
Glenn Lord	Ian Taylor
Scooter Mangold	Dianne Wassenich
Andrew McBride	Adam Yablonski
Gary Middleton	Dan Yoxall
Travis Pruski	

**Voting Members Absent:**

John Byrum  
Will Conley  
Terrell Graham  
Dan Meyer  
Darren Simmons

**Non-Voting Members Present:**

Elizabeth McCoy, Texas Water Development Board (TWDB)

**Non-Voting Members Absent:**

Marty Kelly, TX Department of Parks and Wildlife  
Jami McCool, TX Dept. of Agriculture  
Iliana Delgado, TCEQ  
Don McGhee, Region M Liaison  
Charles Wiedenfeld, Region J Liaison  
Carl Crull, Region N Liaison  
Ronald Fieseler, Region K Liaison  
Rusty Ray, Texas Soil & Water Cons. Board

*Beginning with the February 11, 2016, meeting of the South Central Texas Regional Water Planning Group, all recordings are available for the public at [www.regionltexas.org](http://www.regionltexas.org).*



## **AGENDA ITEM NO.1: ROLL CALL**

Ms. Caye Castillo took roll call.

## **AGENDA ITEM NO.2: PUBLIC COMMENT**

No public comments.

## **AGENDA ITEM NO.3: APPROVAL OF THE MINUTES FROM THE PREVIOUS MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)**

Mr. Riggs motioned to approve the minutes from the previous meeting. Mr. Middleton seconded; the motion passed.

## **AGENDA ITEM NO.4: Status Reports and Communications by TWDB**

Ms. Foss provided an update from TWDB. TWDB provided a reminder of the upcoming critical deadlines for revision requests to draft non-municipal projections and draft population and municipal demand projections, as well as the submission deadline for Technical Memorandum deliverable. TWDB also informed the planning group of the revisions to Plumbing Code Savings Projections and provided additional resources related to RWPG.

The next interregional Planning Council meeting will be on May 30, 2023 in Austin, TX with virtual option to attend.

## **AGENDA ITEM NO.5: Status Reports and Communications Related to Regional Water Planning including reports by the Chair, Regional Liaisons, Groundwater Management Area Representatives, and Members of the Planning Group**

Mr. Andruss informed the group that Mr. Taylor, Industries Interest Group Voting Member, provided a letter a resignation stating that the May 2023 Planning Group meeting would be his last meeting as a voting member.

Mr. Andruss provided an update on Region P.

Ms. Wassenich provided the RWPG with an update on Region K and concerns that they are encountering. Ms. Wassenich stated that there should be no conflicts between Region L and Region K.

Mr. Andruss provided an update on GMA 15.

Mr. Campbell provided an update on GMA 9.

Mr. Hilderbran provided an update on GMA 7.

Mr. Storment provided the RWP with an update on the Edwards Aquifer Habitat Conservation Plan (EAHCP). Mr. Storment stated that they have started a EAHCP ITP Renewal Process. For more details the EAHCP, visit <https://www.eahcprenewal.org/>.

## **AGENDA ITEM NO.6: Presentation by Technical Consultant Regarding:**

### **a. Schedule and Progress Updates**

- a. Ms. Burke provided an overview of the Region L conceptual schedule, updates on completed efforts by the technical consultants and the Population & Water Demands (PWD) Workgroup, and ongoing efforts.

### **b. Population and Municipal Water Demand Projections and Supporting Data**

- a. Ms. Burke provided a summary of the new and/or changed municipal WUGs for this cycle and a summary of the deadlines the RWPG must review and submit revisions to TWDB.
- b. Ms. Burke provided details on the Draft Population and Municipal Water Demand Projections. The RWPGs are tasked with reviewing the draft projection and providing any requested revision back to TWDB before August 11, 2023.
  - i. Discussion ensued on how this data will be reviewed. Ms. Burke confirmed that the work will be done through the Population and Water Demands Workgroup, and they will come back with full recommendation by August 2023.

## **AGENDA ITEM NO.7: Discussion and Appropriate Action Regarding Recommendation for Feedback to TWDB on Non-Municipal Water Demands Data**

Ms. Burke provided the RWPG with an update and summary of the work the Population and Water Demands (PWD) Workgroup have done on the draft non-municipal data projections since new information has been received for Steam-Electric and Manufacturing. Ms. Burke presented the PWD Workgroup recommendations for revisions for the Steam-Electric and Manufacturing demands.

Mr. Stinson motioned to approve the PWD Workgroup recommendation for revisions to the Steam-Electric demands for Bexar and Guadalupe counties. Mr. Taylor seconded the motion, the motion passed.

Mr. Middleton motioned to approve the PWD Workgroup recommendation for revisions to the Manufacturing demands for Guadalupe County. Mr. Riggs seconded the motion, the motion passed.

## **AGENDA ITEM NO.8: Discussion and Appropriate Action Regarding the Establishment of Additional Subcommittees**

No motion to create an additional subcommittee.

## **AGENDA ITEM NO.9: Discussion and Appropriate Action Regarding Filling Existing Vacancies**

Mr. Taylor informed the RWPG that he will be resigning the Planning Group.

The RWPG provided the San Antonio River Authority approval to move forward with public notice to fill vacancies and upcoming vacancies.

Mr. Labus informed the RWPG that Ms. Savage will no longer be representing GMA 15.

**AGENDA ITEM NO.10: Schedule and Potential Agenda Items for the Next Meeting of the SCTRWPG**

The next SCTRWPG meeting is scheduled for August 3, 2023, at 9:30 AM.

Mr. Puente requested to have a presentation on the 88<sup>th</sup> Legislative Session updating the planning group on relevant legislation.

**AGENDA ITEM NO.11: PUBLIC COMMENT**

No public comments.

**AGENDA ITEM NO.11: ADJOURN**

Mr. Taggart motioned to adjourn this meeting. Mr. Middleton seconded the motion, motion passed.

**AGENDA ITEM NO.4 – DISCUSSION AND APPROPRIATE ACTION REGARDING FILLING EXISTING VACANCIES AND VACANCIES TO RESULT FROM FUTURE TERM EXPIRATIONS OR RESIGNATIONS**

**Interest Group:**

Municipalities

**Nominees:**

Ryan Kelso

Shawn Cooper

**Ryan Kelso**

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):

Municipalities

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NOMINATOR**

NAME: The Honorable Neal Linnartz  
ADDRESS: 550 Landa St. New Braunfels, TX 78130  
PHONE: [REDACTED] FAX: [REDACTED] EMAIL: [REDACTED]  
OCCUPATION Mayor Neal Linnartz

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**NOMINEE**

NAME: Ryan Kelso  
ADDRESS: 263 Main Plaza, New Braunfels, TX 78130  
PHONE: [REDACTED] FAX: [REDACTED] EMAIL: [REDACTED]  
INTEREST AREA: Municipalities  
COUNTY: Comal and small part of Guadalupe County  
OCCUPATION: Chief Operations Officer, New Braunfels Utilities (NBU)

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Mr. Kelso was appointed as Chief Operations Officer of New Braunfels Utilities (NBU) in 2019. He began his service with NBU in 2015, as the Control Center Supervisor. He was promoted to Systems Control Manager in 2017, where he oversaw the daily operations of key systems, managing NBU's critical infrastructure. In 2018, Mr. Kelso began his service as Director of Water Services and Compliance, where he oversaw water and wastewater planning, design and program management. He was promoted to Chief Operations Officer as of 2019, where he is currently in charge of all water, wastewater, and electric operations services. Mr. Kelso will be serving as interim Chief Executive Officer as of July 1, 2023, as Mr Ian Taylor has recently announced his retirement.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

- American Water Works Association (AWWA)
- Texas Water Conservation American (TWCA)
- Project Management Institute
- Graduate of Leadership New Braunfels
- Chair and Treasurer for Guadalupe Basin Coalition
- New Braunfels Chamber of Commerce Member
- Wurstfest Association member
- Edwards Aquifer Habitat Conservation Plan (EAHCP) member
- Texas Public Power Corridor (TxPPC) Mutual Aid Co-Lead

**DATE SUBMITTED:** June 6, 2023

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Wednesday, June 7, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)





May 22, 2023

Mr. Tim Andruss, Chair  
South Central Texas Regional Water Planning Group  
c/o San Antonio River Authority  
Attn: Caye Castillo  
201 W. Sheridan Street  
San Antonio, Texas 78204

***Re: Nomination of Ryan Kelso to the South Central Texas Regional Water Planning Group***

Dear Mr. Andruss:

We respectfully submit this letter of recommendation for Mr. Ryan Kelso, Chief Operations Officer of New Braunfels Utilities, to serve as a Municipalities Interest Group voting member of the South Central Texas Regional Water Planning Group (Region L).

NBU is the municipally owned utility serving the citizens of New Braunfels and the surrounding area with water, wastewater and electric services. NBU conducts business in a way that reflects the values of our community, and Ryan is an experienced professional who brings a great mix of leadership, engineering inspiration, operational experience, extensive technical skills and a passion for utility operations. Ryan has worked extensively in the municipal utility industry and is an accomplished leader with a proven record of key accomplishments in the areas of Leadership, Safety Improvement, Risk Management Improvement and Employee Development.

Prior to being promoted to the Chief Operations Officer (COO) role in 2019, Mr. Kelso served as the Director of Water Services, among other roles. As the Director of Water Services, Mr. Kelso managed the planning, design, and analysis of water and wastewater systems for NBU's service area. Mr. Kelso was also an integral part of the development of NBU's Aquifer Storage and Recovery (ASR) Program. In his current role, Mr. Kelso leads over 200 employees at NBU to provide for the current and future water, wastewater, and electric needs of the greater New Braunfels area.

We are confident that Ryan's experience and desire will build on the South Central Texas Regional Water Planning Group's strong foundation and reputation throughout the region and state. Ryan's overwhelming enthusiasm and commitment to our community have been evident in his work and in the leadership roles he has continued to take on outside of the utility. His dedication in these areas strongly reflects NBU's mission, vision and core values.





Please accept this letter of recommendation on behalf of the City of New Braunfels for Ryan Kelso's nomination as a voting member to the South Central Texas Regional Water Planning Group (Region L). We appreciate your consideration.

Sincerely,

A handwritten signature in blue ink that reads 'Neal Linnartz'.

Neal Linnartz, Mayor  
City of New Braunfels

A handwritten signature in blue ink that reads 'Rusty Brockman'.

Rusty Brockman, Former Mayor  
City of New Braunfels





May 31, 2023

Mr. Tim Andruss, Chair  
South Central Texas Regional Water Planning Group  
c/o San Antonio River Authority  
Attn: Caye Castillo  
201 W. Sheridan Street  
San Antonio, Texas 78204

Re: Recommendation for Ryan Kelso to serve as a voting member representing the Municipalities Interest Area on the South Central Texas Regional Water Planning Group

Dear Mr. Andruss:

On behalf of the New Braunfels Utilities (NBU) Board of Trustees, I recommend Mr. Ryan Kelso to serve as a voting member on the South Central Texas Regional Water Planning Group. Mr. Kelso has extensive experience in water service design and planning, identifying and meeting water supply needs, and developing water management strategies. Because NBU has one of the most diverse water supply inventories in Central Texas, Mr. Kelso has extensive experience with run-of-river water rights and water availability, contracts for stored water, and Edwards and Trinity Aquifer groundwater.

Mr. Kelso is currently the Chief Operations Officer (COO) of NBU, and will be serving as Interim Chief Executive Officer, as of July 1, 2023. As COO, Mr. Kelso leads over 200 employees at NBU to provide for the current and future water, wastewater, and electric needs of the greater New Braunfels area. For the second time in three years, New Braunfels was the second fastest growing city in the United States in 2017, and has the fifth largest percentage growth in the nation since 2010. Prior to becoming COO, Mr. Kelso served as the Director of Water Services, among other roles. As the Director of Water Services, Mr. Kelso managed the planning, design, and analysis of water and wastewater systems for NBU's service area. Mr. Kelso was also an integral part of the development of NBU's Aquifer Storage and Recovery (ASR) Program.

Like many cities in the region, New Braunfels is experiencing tremendous growth, and the ability to meet future water needs is vital. I believe Mr. Kelso's experience with addressing the water supply needs of the New Braunfels area will be a tremendous asset in developing successful regional water plans for the South Central Texas Regional Water Planning Group, Region L planning area.

I enthusiastically request the Executive Committee's recommendation of Mr. Kelso's appointment as a voting member on the South Central Texas Regional Water Planning Group.





Mr. Kelso will bring dedication to the work of the planning group and will do an outstanding job representing the interests of municipalities in the region.

Sincerely,

A handwritten signature in blue ink that reads 'Judith Dykes-Hoffmann'.

Dr. Judith Dykes-Hoffmann  
New Braunfels Utilities Board President





June 19, 2023

Mr. Tim Andruss, Chair  
South Central Texas Regional Water Planning Group  
c/o San Antonio River Authority  
Attn: Caye Castillo  
201 W. Sheridan Street  
San Antonio, Texas 78204

Re: Recommendation for Ryan Kelso to serve as a voting member representing the Municipalities Interest Area on the South Central Texas Regional Water Planning Group

Dear Mr. Andruss:

The Guadalupe Basin Coalition is a voluntary association of businesses, chambers of commerce, lake associations, and governmental entities in counties along the Guadalupe River Basin (including all its tributaries and springs). We are bonded by a common concern for the economic and environmental sustainability of the Guadalupe River Basin and San Antonio Bay. Our stated mission is *“To protect and enhance the quality and quantity of the waters of the Guadalupe River Basin from the headwaters to San Antonio Bay.”*

On behalf of the Guadalupe Basin Coalition, I am submitting this Letter of Support for Mr. Ryan Kelso to serve as the Municipal representative on the South Central Texas Regional Water Planning Group. Mr. Kelso has been an employee of the municipal utility, New Braunfels Utilities, for 8 years and has been in an executive leadership role for the last 5 years. Thus he has extensive experience in water service design and planning, identifying and meeting water supply needs, and developing water management strategies for municipalities.

Mr. Kelso is also familiar with issues facing the Guadalupe Basin and has served for the last 3 years as Chair of the Guadalupe Basin Coalition. Additionally, he has facilitated and helped plan the New Braunfels Water Summit, helping educate the citizens of the Guadalupe Basin about their water resources.

Mr. Tim Andruss

June 12, 2023

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Growth on the IH-35 corridor in the Guadalupe Basin is happening at a very fast pace. Having someone like Mr. Kelso helping to steer that growth and plan for the water resources needed, would be a great advantage to all of us that live in the area.

Again, please accept this letter of support for Mr. Kelso's nomination to the Region L Planning Committee.

*Nathan Pence*

Nathan Pence

Vice-Chair, Guadalupe Basin Coalition

**Shawn Cooper**

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### NOMINATOR

**NAME:** [Mike Gonzales](#)  
**ADDRESS:** 8304 FM 327 Elmendorf Texas 78112  
**PHONE: FAX: EMAIL:** [REDACTED]  
**OCCUPATION** City of Elmendorf Mayor

### NOMINEE

**ME:** Shawn Cooper

**ADDRESS:** [REDACTED]  
[REDACTED]  
78114  
**PHONE: FAX: EMAIL:** [REDACTED]

**INTEREST**  
Municipality

**COUNTY:**  
Bexar

Supervisor

**OCCUPATION:**

Water

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Mr. Cooper has been employed by the City of Elmendorf since 2012. He was initially hired as a ground maintenance worker but quickly rose up the city ladder. He moved from maintenance to the Water Department as an operator. He now holds the position of Water Supervisor over the Water Department and Maintenance Departments.

The City of Elmendorf has undergone dramatic changes since 2012. Mr. Cooper has been a part of the acquisition and operation of an in-house wastewater facility. Additionally, the City of Elmendorf



has constructed a new Water Treatment Plant and now supplies its citizens with 75% produced groundwater with a blend of 25% of purchased water from SAWS. Mr. Cooper has been at the forefront of this process since inception.

Mr. Cooper is an extremely fast learner and always “Looking outside of the box” to save the City money and resources.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):** Texas Rural Water Association

**DATE SUBMITTED:**

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

## **Addendum**

§ 357.11. Designations, 31 TX ADC § 357.11

31 TAC § 357.11

§ 357.11. Designations

**Interest Group:**

Water Districts

**Nominees:**

Tim Andruss

Roland Ruiz

**Tim Andrus**

**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):**

- |                                                            |                                                  |
|------------------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> <b>Public</b>                     | <input type="checkbox"/> <b>Industries</b>       |
| <input type="checkbox"/> <b>Counties</b>                   | <input type="checkbox"/> <b>Agricultural</b>     |
| <input checked="" type="checkbox"/> <b>Water Districts</b> | <input type="checkbox"/> <b>Small Businesses</b> |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NOMINATOR**

**NAME:** Carroll Borden

**ADDRESS:** \_\_\_\_\_

**PHONE:**                      **FAX:**                      **EMAIL:**                     

**OCCUPATION** President of the Board, Refugio Groundwater Conservation District

**NOMINEE**

**NAME:** Tim Andruss

**ADDRESS:** 2805 N. Navarro St. Ste 210, Victoria Texas

**PHONE:**                      **FAX:**                      **EMAIL:**                     

**INTEREST AREA:** Water Districts

**COUNTY:** Victoria County, Calhoun County, Refugio County

**OCCUPATION:** General Manager of GCDs

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Mr. Andruss has been active in regional water planning efforts since 2007; serves on the Executive Committee of the South Central Texas Regional Water Planning Group; serves as the Chair and Administrator of Groundwater Management Area 15.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

**DATE SUBMITTED:** \_\_\_\_\_

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):**

- |                                                            |                                                  |
|------------------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> <b>Public</b>                     | <input type="checkbox"/> <b>Industries</b>       |
| <input type="checkbox"/> <b>Counties</b>                   | <input type="checkbox"/> <b>Agricultural</b>     |
| <input checked="" type="checkbox"/> <b>Water Districts</b> | <input type="checkbox"/> <b>Small Businesses</b> |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWP.

**NOMINATOR**

**NAME:** Mark Meek

**ADDRESS:** 2805 N. Navarro St. Ste 210, Victoria Texas

**PHONE:** [REDACTED] **FAX:** [REDACTED] **EMAIL:** [REDACTED]

**OCCUPATION** President of the Board, Victoria County Groundwater Conservation District



**NOMINEE**

**NAME:** Tim Andruss

**ADDRESS:** 2805 N. Navarro St. Ste 210, Victoria Texas

**PHONE:** [REDACTED] **FAX:** [REDACTED] **EMAIL:** [REDACTED]

**INTEREST AREA:** Water Districts

**COUNTY:** Victoria County

**OCCUPATION:** General Manager of GCDs

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Mr. Andruss has been active in regional water planning efforts since 2007; serves on the Executive Committee of the South Central Texas Regional Water Planning Group; serves as the Chair and Administrator of Groundwater Management Area 15.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

**DATE SUBMITTED:** \_\_\_\_\_

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

**Roland Ruiz**



SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):

- |                                                     |                                           |
|-----------------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> Public                     | <input type="checkbox"/> Industries       |
| <input type="checkbox"/> Counties                   | <input type="checkbox"/> Agricultural     |
| <input checked="" type="checkbox"/> Water Districts | <input type="checkbox"/> Small Businesses |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: Enrique Valdivia  
ADDRESS: 900 E. Quincy, San Antonio, TX 78215  
PHONE: [REDACTED] FAX: [REDACTED] EMAIL: [REDACTED]  
OCCUPATION: Attorney (retired)/ Chairman of Board, Edwards Aquifer Authority

NOMINEE

NAME: Roland Ruiz  
ADDRESS: 900 E. Quincy, San Antonio, TX 78215  
PHONE: [REDACTED] FAX: [REDACTED] EMAIL: [REDACTED]  
INTEREST AREA: Groundwater management (Edwards Aquifer)  
COUNTY: Bexar, Medina, Uvalde, Atascosa, Comal, Guadalupe, Hays, Caldwell  
OCCUPATION: General Manager, Edwards Aquifer Authority

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Please see bio attached.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

Member of South Central Texas Regional Planning Group since 2012.

**DATE SUBMITTED:** 06/-05/2023

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)



**Roland Ruiz**

**GENERAL MANAGER**

Roland Ruiz serves as General Manager of the Edwards Aquifer Authority (EAA), a special purpose regional groundwater agency that is responsible for the management of one of the world's most prolific artesian aquifers. In his role as chief executive, Roland reports to a 17-member board of directors that oversees the EAA mission to manage, enhance, and protect the Edwards Aquifer system across eight counties in South Central Texas.

Since assuming the General Manager position in 2012, Roland has focused his leadership on creating "shared value" around the effective management of the Edwards Aquifer in the face of environmental, economic, and regulatory demands that are often exacerbated by drought, population growth, and competing interests around these issues. He has undertaken an effort to transform the EAA culture into a dynamic, service-minded operation that fosters greater collaboration, transparency, and responsiveness through values-centered critical thinking and stakeholder engagement.

Roland has a broad and varied background in public affairs and community service in both the private and public sectors, including 21 years as an elected official serving on the board of trustees of a local school district.

**Interest Group:**

Water Districts (Non-Groundwater District)

**Nominees:**

Humberto Ramos

**FROM: South Central Texas Regional Water Planning Group**

**DATE: May 10, 2023**

**SUBJECT: Solicitation of Nominations to Fill Vacancies of the South Central Texas Regional Water Planning Group Voting Membership**

**NOTICE TO PUBLIC**  
**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (REGION L)**

The South Central Texas Regional Water Planning Group (SCTRWPG), as established by the Texas Water Development Board in accordance with 31 TAC 357, is soliciting nominations to fill a voting member vacancy on the SCTRWPG in the following interest area: **Public, Counties, Industries, Agricultural, Small Businesses, and Water Districts**. Persons interested in Counties, Municipalities and Water Districts interest areas must be nominated by the governing board or chief executive officer of an entity within the respective interest area.

For your convenience, the nomination form may be found on the SCTRWPG website at [regionltexas.org](http://regionltexas.org).

Article V. Section 3 of the adopted SCTRWPG Bylaws states that in order to be eligible for voting membership, a person must be capable of adequately representing the interest for which a member is sought, willing to participate in the regional flood planning process, attend meetings, and abide by the adopted Bylaws.

Nomination forms may be submitted through email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org), or by printing the nomination form, completing it, and mailing. A nomination form must be completed and submitted for each nominee to be considered. For specific definitions and eligibility requirements in each of the areas of interest, and to obtain a nomination form, please contact Caye Castillo (210) 302-4258 or [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org).

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

Nominations must be received by 5:00 p.m., Friday, June 9, 2023, addressed to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan Street, San Antonio, Texas 78204, or emailed to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

**Regional Water Planning Group Voting Membership**

**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):**

- |                                                            |                                                  |
|------------------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> <b>Public</b>                     | <input type="checkbox"/> <b>Industries</b>       |
| <input type="checkbox"/> <b>Counties</b>                   | <input type="checkbox"/> <b>Agricultural</b>     |
| <input checked="" type="checkbox"/> <b>Water Districts</b> | <input type="checkbox"/> <b>Small Businesses</b> |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NOMINATOR**

**NAME:** East Central Special Utility District Brandon Rohan

**ADDRESS:** 5520 FM 1628, Adkins, TX 78101

**PHONE:** 210.649.2383 **FAX:** 210.649.1462 **EMAIL:** brohan@ecsud.com

**OCCUPATION:** General Manager

**NOMINEE**

**NAME:** Humberto Ramos

**ADDRESS:** 850 Lakeside Pass, New Braunfels, TX

**PHONE:** 830.358.6276 **FAX:** \_\_\_\_\_ **EMAIL:** huramos@crwa.com

**INTEREST AREA:** Water Districts

**COUNTY:** Guadalupe

**OCCUPATION:** CRWA- Director of Water Resources

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Mr. Ramos has more than twenty-five years of water planning experience within Region L. He has been currently employed with Canyon Regional Water Authority (CRWA) for eleven years as the Director of Water Resources. CRWA is a regional water wholesaler consisting of partnerships with five cities, five utility water districts and two water supply corporations; also within the Guadalupe RFPG. In addition, he currently sits on the Board of Alliance Regional Water Authority (ARWA) as the Vice-Chair. ARWA is another regional water wholesaler located within Region L. ARWA consists of the cities of San Marcos, Buda, and Kyle and three water utility districts within CRWA. He has participated in the last six Region L water plans and is acutely aware of the importance of the plan and regional cooperation. His knowledge and work experience within the region and withn Region L's planning process contributes to his qualifications for the water district interest group.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

Currently serves as a Water District representative on Region L (2019-current)  
Currently serves on Region L's Executive Committee in an "At Large Position" (2019-current)  
Currently serves as Chair of the Population and Water Demand Work Group for Region L (2021-current)

**DATE SUBMITTED:** June 9, 2023

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

# Addendum



**§ 357.11. Designations, 31 TX ADC § 357.11**

**31 TAC § 357.11**

**§ 357.11. Designations**

(a) The Board shall review and update the designations of RWPAs as necessary but at least every five years, on its own initiative or upon recommendation of the EA. The Board shall provide 30 days notice of its intent to amend the designations of RWPAs by publication of the proposed change in the Texas Register and by mailing the notice to each mayor of a municipality with a population of 1,000 or more or which is a county seat that is located in whole or in part in the RWPAs proposed to be impacted, to each water district or river authority located in whole or in part in the RWPA based upon lists of such water districts and river authorities obtained from the Commission, and to each county judge of a county located in whole or in part in the RWPAs proposed to be impacted. After the 30 day notice period, the Board shall hold a public hearing at a location to be determined by the Board before making any changes to the designation of an RWPA.

(b) If upon boundary review the Board determines that revisions to the boundaries are necessary, the Board shall designate areas for which RWPs shall be developed, taking into consideration factors such as:

- (1) River basin and aquifer delineations;
- (2) Water utility development patterns;
- (3) Socioeconomic characteristics;
- (4) Existing RWPAs;
- (5) Political Subdivision boundaries;
- (6) Public comment; and
- (7) Other factors the Board deems relevant.

(c) After an initial coordinating body for a RWPG is named by the Board, the RWPGs shall adopt, by two-thirds vote, bylaws that are consistent with provisions of this chapter. Within 30 days after the Board names members of the initial coordinating body, the EA shall provide to each member of the initial coordinating body a set of model bylaws which the RWPG shall consider. The RWPG shall provide copies of its bylaws and any revisions thereto to the EA. The bylaws adopted by the RWPG shall at a minimum address the following elements:

- (1) definition of a quorum necessary to conduct business;
- (2) method to be used to approve items of business including adoption of RWPs or amendments thereto;
- (3) methods to be used to name additional members;
- (4) terms and conditions of membership;
- (5) methods to record minutes and where minutes will be archived as part of the public record; and
- (6) methods to resolve disputes between RWPG members on matters coming before the RWPG.

(d) RWPGs shall maintain at least one representative of each of the following interest categories as voting members of the RWPG. However, if an RWPA does not have an interest category below, then the RWPG shall so advise the EA and no membership designation is required.

(1) Public, defined as those persons or entities having no economic interest in the interests represented by paragraphs (2) - (12) of this subsection other than as a normal consumer;

(2) Counties, defined as the county governments for the 254 counties in Texas;

(3) Municipalities, defined as governments of cities created or organized under the general, home-rule, or special laws of the state;

(4) Industries, defined as corporations, partnerships, sole proprietorships, or other legal entities that are formed for the purpose of making a profit and which produce or manufacture goods or services and which are not small businesses;

(5) Agricultural interests, defined as those persons or entities associated with production or processing of plant or animal products;

(6) Environmental interests, defined as those persons or groups advocating the conservation of the state's natural resources, including but not limited to soil, water, air, and living resources;

(7) Small businesses, defined as corporations, partnerships, sole proprietorships, or other legal entities that are formed for the purpose of making a profit, are independently owned and operated, and have fewer than 500 employees or less than \$10 million in gross annual receipts;

(8) Electric generating utilities, defined as any persons, corporations, cooperative corporations, or any combination thereof, meeting each of the following three criteria: own or operate for compensation equipment or facilities which produce or generate electricity; produce or generate electricity for either wholesale or retail sale to others; and are neither a municipal corporation nor a river authority;

**§ 361.11. Designations and Governance of Flood Planning Regions, 31 TX ADC § 361.11**

(9) River authorities, defined as any districts or authorities created by the legislature which contain areas within their boundaries of one or more counties and which are governed by boards of directors appointed or designated in whole or part by the governor or board, including, without limitation, San Antonio River Authority;

(10) Water districts, defined as any districts or authorities, created under authority of either Texas Constitution, Article III, §52(b)(1) and (2), or Article XVI, §59 including districts having the authority to regulate the spacing of or production from water wells, but not including river authorities;

(11) Water utilities, defined as any persons, corporations, cooperative corporations, or any combination thereof that provide water supplies for compensation except for municipalities, river authorities, or water districts; and

(12) Groundwater management areas, defined as a single representative for each groundwater management area that is at least partially located within an RWPA. Defined as a representative from a groundwater conservation district that is appointed by the groundwater conservation districts within the associated groundwater management area.

(e) The RWPGs shall add the following non-voting members, who shall receive meeting notifications and information in the same manner as voting members:

(1) Staff member of the Board to be designated by the EA;

(2) Staff member of the Texas Parks and Wildlife Department designated by its executive director;

(3) Member designated by each adjacent RWPG to serve as a liaison;

(4) One or more persons to represent those entities with headquarters located in another RWPA and which holds surface water rights authorizing a diversion of 1,000 acre-feet a year or more in the RWPA, which supplies water under contract in the amount of 1,000 acre-feet a year or more to entities in the RWPA, or which receives water under contract in the amount of 1,000 acre-feet a year or more from the RWPA;

(5) Staff member of the Texas Department of Agriculture designated by its commissioner; and

(6) Staff member of the State Soil and Water Conservation Board designated by its executive director.

(f) Each RWPG shall provide a current list of its members to the EA; the list shall identify the interest represented by each member including interests required in subsection (d) of this section.

(g) Each RWPG, at its discretion, may at any time add additional voting and non-voting representatives to serve on the RWPG for any new interest category, including additional representatives of those interests already listed in subsection (d) of this section that the RWPG considers appropriate for water planning.

(h) Each RWPG, at its discretion, may remove individual voting or non-voting members or eliminate RWPG representative positions in accordance with the RWPG bylaws as long as minimum requirements of RWPG membership are maintained in accordance with subsection (d) of this section.

(i) RWPGs may enter into formal and informal agreements to coordinate, avoid conflicts, and share information with other RWPGs or any other interests within any RWPA for any purpose the RWPGs consider appropriate including expediting or making more efficient water planning efforts. These efforts may involve any portion of the RWPG membership. Any plans or information developed through these efforts by RWPGs or by committees may be included in an RWP only upon approval of the RWPG.

(j) Upon request, the EA will provide technical assistance to RWPGs, including on water supply and demand analysis, methods to evaluate the social and economic impacts of not meeting needs, and regarding Drought Management Measures and water conservation practices.

(k) The Board shall appoint an Interregional Planning Council during each state water planning cycle. The Interregional Planning Council will be subject to the following provisions:

(1) The Interregional Planning Council consists of one voting member from each RWPG, as appointed by the Board.

(2) Upon request by the EA, each RWPG shall submit at least one nomination for appointment, including a designated alternate for each nomination.

(3) Interregional Planning Council members will serve until adoption of the State Water Plan.

(4) The Interregional Planning Council, during each planning cycle to develop the State Water Plan, shall hold at least one public meeting and deliver a report to the Board. The report format may be determined by the Council. The report at a minimum shall include a summary of the dates the Council convened, the actions taken, minutes of the meetings, and any recommendations for the Board's consideration, based on the Council's work. Meeting frequency, location, and additional report content shall be determined by the Council.

(5) For the planning cycle of the 2022 State Water Plan, the Council's report shall be delivered to the Board by a date established by the EA, which will be no later than adoption of the 2022 State Water Plan. Beginning with the planning cycle for the 2027 State Water Plan and each planning cycle thereafter, the report shall be delivered to the Board no later than one year prior to the IPP deliverable date for the corresponding State Water Plan cycle, as set in regional water planning contracts.

**Credits**

**Source:** The provisions of this §361.11 adopted to be effective June 10, 2020, 45 TexReg 3792

31 TAC § 361.11, 31 TX ADC § 361.11

End of Document

**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):**

- |                                                            |                                                  |
|------------------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> <b>Public</b>                     | <input type="checkbox"/> <b>Industries</b>       |
| <input type="checkbox"/> <b>Counties</b>                   | <input type="checkbox"/> <b>Agricultural</b>     |
| <input checked="" type="checkbox"/> <b>Water Districts</b> | <input type="checkbox"/> <b>Small Businesses</b> |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NOMINATOR**

**NAME:** Canyon Regional Water Authority  
**ADDRESS:** 850 Lakeside Pass, New Braunfels, TX  
**PHONE:** ██████████ 0543 **FAX:** ██████████ **EMAIL:** ██████████  
**OCCUPATION:** ██████████

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**NOMINEE**

**NAME:** Humberto Ramos  
**ADDRESS:** 850 Lakeside Pass, New Braunfels, TX  
**PHONE:** ██████████ **FAX:** ██████████ **EMAIL:** ██████████  
**INTEREST AREA:** Water Districts  
**COUNTY:** Guadalupe  
**OCCUPATION:** CRWA -Director of Water Resources

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

I currently have more than twenty five years of water planning experience within Region L. Most recently I have eleven years experience employed by Canyon Regional Water Authority (CRWA) as the Director of Water Resources. CRWA is a regional water wholesaler consisting of partnerships with five cities, five utility water districts and two water supply corporations;also within the Guadalupe RFPG. In addition, I currently sit on the Board of the Alliance Regional Water Authority (ARWA) as the Vice-Chair. ARWA is another regional water wholesaler within Region L. ARWA consist of the cities of San Marcos, Buda and Kyle and three water utility districts within CRWA. I have also participated in the last six Region L water plans and acutely aware of the importance of the plan and regional cooperation. My knowledge and work experience within the region and within in the Region L planning process provides contributes to my qualifications for the water district interest group.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

- Served as Water District Representative on Region L (2019- to current)
- Served as on the Executive Committee for Region L as "At Large Position" (2019 to current)
- Serves as Chair of the Population and Water Demand Work Group for Region L (2021 to current)

DATE SUBMITTED: June 13, 2023

**PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED**

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)



**CANYON REGIONAL WATER AUTHORITY  
BOARD COMMUNICATION**

DATE	SUBJECT	AGENDA NUMBER
06/12/2023	SOUTH WEST TEXAS REGIONAL PLANNING GROUP (REGION L) VOTING MEMBERSHIP	CRWA 23-06-031

**INITIATED BY** JOHN KAUFMAN

**STAFF RECOMMENDATION**

Approve nomination of Humberto Ramos to the South Central Regional Planning Group (Region L) representing Water Districts (Non-Groundwater District).

**BACKGROUND INFORMATION**

The South Central Texas Regional Water Planning Group (SCTRWPG), as established by the Texas Water Development Board in accordance with 31 TAC 357, is soliciting nominations to fill a voting member vacancy on the SCTRWPG in the following interest area: Public, Counties, Industries, Agricultural, Small Businesses, and Water Districts. Persons interested in Counties, Municipalities and Water Districts interest areas must be nominated by the governing board or chief executive officer of an entity within the respective interest area.

Article V. Section 3 of the adopted SCTRWPG Bylaws states that in order to be eligible for voting membership, a person must be capable of adequately representing the interest for which a member is sought, willing to participate in the regional flood planning process, attend meetings, and abide by the adopted Bylaws. Having CRWA representation on Region L is advantageous to the member entities of CRWA.

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

Since 2019 Humberto Ramos has represented Canyon Regional Water Authority as a voting member of SCTRWPG (Region L). His current term as a member expires on June 9, 2023.

**FINANCIAL IMPACT**

None

**MOTION**

Motion to approve the following resolution.



**CANYON REGIONAL WATER AUTHORITY**

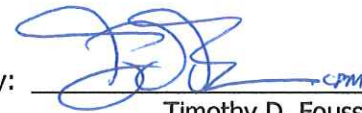
**RESOLUTION NO. 23-06-031**

BE IT RESOLVED that Humberto Ramos is nominated to the South West Texas Regional Planning Group representing Water Districts (Non-Groundwater District).

Adopted this 12<sup>th</sup> day of June 2023

Ayes 15 Nays 0 Abstained 0 Absent 5 Vacancies 2

Approved by:



Timothy D. Fousse, CPM  
President

Certified and attested by:



Doris Steubing  
Secretary

**Interest Group:**

Counties

**Nominees:**

Andra Wisian



**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):**

- |                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> <b>Public</b>              | <input type="checkbox"/> <b>Industries</b>       |
| <input checked="" type="checkbox"/> <b>Counties</b> | <input type="checkbox"/> <b>Agricultural</b>     |
| <input type="checkbox"/> <b>Water Districts</b>     | <input type="checkbox"/> <b>Small Businesses</b> |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NOMINATOR**

**NAME:** Shane Stolarczyk, Kendall County Judge  
**ADDRESS:** 201 E. San Antonio Avenue, TX 78006  
**PHONE:** [REDACTED] **FAX:** \_\_\_\_\_ **EMAIL:** shane.stolarczyk@co.kendall.tx.us  
**OCCUPATION:** County Judge



**NOMINEE**

**NAME:** Andra M. Wisian  
**ADDRESS:** 201 E. San Antonio Avenue, Suite 315, Boerne, TX 78006  
**PHONE:** [REDACTED] **FAX:** \_\_\_\_\_ **EMAIL:** andra.wisian@co.kendall.tx.us  
**INTEREST AREA:** Counties  
**COUNTY:** Kendall  
**OCCUPATION:** County Commissioner

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

A native and seventh-generation Texan, Andra has lived in Kendall County for nearly 30 years. She was elected County Commissioner, Precinct 2 in November 2022 and took office January 1, 2023.

Kendall County is one of the fastest growing counties in America and Andra ran for Commissioner to help protect the irreplaceable character and culture of Kendall County, including natural resources and agricultural land.

In April 2021 Governor Greg Abbott appointed Andra as a Director to the Guadalupe-Blanco River Authority. She resigned from the board in December 2022 prior to taking office as county commissioner. As a rancher, steward, and Texan, Andra was honored to serve on the GBRA board as well as work with the dedicated men and women of GBRA who work to develop, preserve, and protect the Guadalupe River and the river basin.

Andra was a key leader to create a very successful private-public partnership among county residents, Kendall County, and Texas Parks & Wildlife to build the Youth Agriculture & Equestrian Center. The Center supports positive youth development to ensure a strong future generation of leaders for our county, state and nation.

Andra mentors 4-H Horse Club youth to foster self-esteem, leadership, and citizenship. She has given her time and resources to many organizations including:

- St. John Lutheran Church
- Hill Country Daily Bread
- Boys & Girls Club of Boerne
- Boy Scouts of America Troop 18, Boerne
- Wounded Warrior Project
- The 100 Club of Kendall County
- Kendall County Youth Ag & Equestrian Center
- Kendall County Fair
- Kendall County Jr. Livestock Association
- Kendall County Wild Game Dinner

Andra earned a B.A. in English from the University of Houston and also studied broadcast journalism at the University of Texas. She has worked in television news and corporate communications as well as owned a creative media and marketing business.

Andra and husband, Kirby, run a registered Red Angus operation in Kendall, Karnes, and Goliad counties. Andra's hobbies include showing cutting horses as well as hiking and camping with Kirby and their two grown sons.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

Kendall County Commissioner, Precinct 2  
Chairwoman, Kendall County Public Safety Corporation  
Director, Guadalupe-Blanco River Authority (April 2021 – December 2022)  
Inaugural Participant, Hill Country Alliance Leadership Institute (January – October 2023)  
Panelist, the San Antonio Report's *Drought Meets Development: Balancing Growth & Water Conservation in the Hill Country* (May 31, 2023)  
President, Kendall County Republican Women  
Secretary, Greater San Antonio Council of Texas Federation of Republican Women  
Member, Greater Boerne Chamber of Commerce  
Member, Texas Farm Bureau  
Member, Texas & Southwestern Cattle Raisers Association  
Member, Red Angus Association of America  
Member, Cibolo Center for Conservation  
President, Kendall County Youth Agriculture & Equestrian Center (2016-2021)  
Board member, Boerne/Kendall County Economic Development Corporation (2016-2018)  
Treasurer, St. John Lutheran Church (2017, 2018)  
Committee member, Boerne Independent School District Bond Oversight Committee (2013)  
Assistant Scout Leader, Boy Scouts of America, Troop 18 (2009)

DATE SUBMITTED: May 31, 2023

**PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED**

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

**Interest Group:**

Agricultural

**Nominees:**


Thomas Jungman

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):

- |                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Public          | <input type="checkbox"/> Industries              |
| <input type="checkbox"/> Counties        | <input checked="" type="checkbox"/> Agricultural |
| <input type="checkbox"/> Water Districts | <input type="checkbox"/> Small Businesses        |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see addendum) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: WADE J. HEDTKE   
ADDRESS: 101 N. PANAMA MARIA AVE  
PHONE: 850-180-5152 FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_  
OCCUPATION: COUNTY JUDGE

-----

NOMINEE

NAME: Tom Lungman  
ADDRESS: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_  
INTEREST AREA: Ag  
COUNTY: Karnes  
OCCUPATION: Rancher ; Retired Chemical Engineer

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):

25 years working as a Chemical Engineer:

1. Worked in process design, manufacturing and research & development
2. Know planning, justifying, building, start up, and operations
3. Know pump, piping, liquid transport

35 years of ranching full time in South Texas has given an appreciation for the importance of water resources.

Please see attached resume.

PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):

Board of Directors and Vice President of  
Escondido Watershed District - flood  
control for city of Kennedy

Texas and Southwest Cattle Raisers Assoc. member

Farm Bureau member

American Hereford Assoc. member

DATE SUBMITTED: 6/2/23

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by 5:00 p.m., Friday, June 9, 2023, addressed to Tim Andrus, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)



SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):

- |                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| <input type="checkbox"/> Public          | <input type="checkbox"/> Industries              |
| <input type="checkbox"/> Counties        | <input checked="" type="checkbox"/> Agricultural |
| <input type="checkbox"/> Water Districts | <input type="checkbox"/> Small Businesses        |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see addendum) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

Former City Administrator City of Kennedy  
President ESCOBEDO WATERSHED DISTRICT

NOMINATOR

NAME: Joe E. Ponish Joe E. Ponish  
ADDRESS: [REDACTED]  
PHONE: [REDACTED] FAX: [REDACTED] EMAIL: [REDACTED]  
OCCUPATION Retired

NOMINEE

NAME: Tom Ungerman  
ADDRESS: [REDACTED], Karnes City, TX 78118  
PHONE: [REDACTED] FAX: [REDACTED] EMAIL: [REDACTED]  
INTEREST AREA: Ag  
COUNTY: Karnes  
OCCUPATION: Rancher ; Retired Chemical Engineer

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):

25 years working as a chemical engineer:

1. worked in process design, manufacturing, and research and development
2. know planning, justifying, building, start up, and operations
3. know pumps, piping, liquid transport.

35 years of ranching in South Texas where water is scarce.

Please see attached resume.

PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):

Director and Vice President of Escondido watershed District - flood control.

Farm Bureau member

Texas and Southwest Cattle Raisers Assoc. member

American Newford Assoc member

DATE SUBMITTED: MAY 24, 2023

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by 5:00 p.m., Friday, June 9, 2023, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org



THOMAS ANDREW JUNGMAN

**EDUCATION:** 1969 TEXAS A&M UNIVERSITY, College Station, Texas - B.S. Chemical Engineering

**MISC.:** Certificates: University - Industry Cooperative Education Program, Distinguished Student (Junior Year)

**BUSINESS EXPERIENCE:**

**1991 - :** OLMOS CREEK RANCH, 1251 CR 184, Karnes City, Texas 78118

Owner/Operator of Purebred Cattle Ranch

Operated a ranch in Karnes County with 50 head of registered Polled Hereford cattle.

**ACCOMPLISHMENTS:**

- \* Expanded market to include North Texas and the Southeast part of U.S.A.
- \* Instituted herd performance testing
- \* Instituted quality control program with rigid selection pressure for fertility, efficiency, calving ease and good eyes, legs and udders.
- \* Instituted an artificial insemination program using the best bulls in the USA and Canada to improve and diversify the genetics of the herd
- \* Increased the top price for bulls sold by 50%
- \* Increased the top price for cow/calf pairs sold by 100%
- \* Consulted on the start-up of three ranches utilizing cattle from me and herds in Kentucky, Georgia, S. Carolina.

**1979 - 1991** AQUALON (A Division of Hercules)

1 Mill Street, Kenedy, Texas 78119

Department Superintendent (Specialties Dept.) (1981 - 1991)

The Kenedy plant uses guar (an agricultural product related to soy beans) to produce water soluble polymers for the oil and gas, paper, textiles, fire fighting, and food industries. Basically it is used as a thickener. In the Specialties Department, guar is reacted in computer controlled processes to enhance its solubility and other characteristics. An example is the reaction of guar with propylene oxide to form hydroxypropyl guar for use in hydraulic fracturing of natural gas wells.

**ACCOMPLISHMENTS:**

- \* Depending on demand for product, supervised up to 5 production units, 8 shift supervisors, and 40 operators.
- \* No lost time accidents in last 5 years.
- \* Sales of products from this department totaled \$28M in the best years (70% of total plant sales and a higher percentage of the profits).
- \* Cut reject rate in half compared to the years prior to 1981. The department's reject rate was the lowest in the plant for 6 of the last 8 years.

Process Engineer (1979 - 1981)

Provided engineering assistance as follows: plant trials of new products, troubleshooting production unit problems, process design, performance evaluation of new equipment, statistical analyses to improve product quality.

**ACCOMPLISHMENTS:** Returned a product to on-test status after it had been below spec on viscosity for 6 months. A lot of variables were involved -- raw materials, chemical reagents, reaction time - temperature - pressure, and grinding and drying. Plant trials were set up. Kernner-Tragoë analysis was used to analyze data. After one week the problem was defined and the product was returned to specification levels.

**1978 - 1979** THE COSMIN CORP. Baltimore, MD.

General Manager (Reporting to the president)

Cosmin produces ferrous sulfate (sales of \$2 million/yr.) for use in water treatment facilities and the fertilizer industry. My responsibilities included those of both Plant Manager and New Capital Projects Manager.

**ACCOMPLISHMENTS:**

- \* Developed and designed water pollution control projects to bring the plant into compliance with government regulations. This included the successful presentation to and negotiations with the Maryland State Water Resources Association.
- \* Authorized a loan application to the SBA for funding of environmental control projects. The loan was approved.

**1974 - 1978** MONSANTO, Alvin, TX

Operations Engineer (Sorbic Acid Unit) (1 year)

Responsible for operations in the sorbic acid unit. Duties included day-to-day problem solving and long-range planning for increasing the unit's output while maintaining product quality.

**ACCOMPLISHMENTS:**

Through debottlenecking and close attention to maintenance of existing machinery, the demonstrated production rate of the new sorbic acid unit was increased from 50% to 100% of design. Shutdown turnaround time was reduced. Also raw materials usage per pound of product was substantially reduced. For example, carbon filter media usage, the highest cost raw material, was reduced by 50%.

Projects Engineer (Distribution Department) (3 years)

The Distribution Department is responsible for storing and transferring raw materials, intermediate products, and finished products. Facilities included 126 storage tanks and 75 loading/unloading stations for tank cars, tank trucks, and barges.

The first year was spent working day-to-day operations and small (\$200,000) projects. After being named senior engineer, I was given the following special assignments:

- Project Team Leader - supervised four engineers responsible for safety, cost reduction, and basic upkeep projects. The team also provided technical assistance to operations.
- Barge Dock Automation - designed and gained approval of a \$313,000 control system that met new U.S. Coast Guard regulations and at the same time increased operator productivity. The internal rate of return on investment was 50%.
- Tank Farm Automation - designed and gained approval of a project to automate the operations of the tank farm by computer control of transfers. The project cost was \$2,700,000 and was justified on an increase in operator productivity. The project payout was three years.

**ACCOMPLISHMENTS:**

Through innovative automation techniques the future manpower requirements of the department were reduced by 26 people.

1973 - 1974    SOUTHWEST LATEX COMPANY, Division of Dart Industries, Inc.  
Houston, TX

Plant Project Engineer

Responsible for all phases of engineering for a 23MM pound per year latex plant, including the following: process design and economic evaluation, writing of specifications, purchasing, supervision and approval of drawings, supervision of project construction and start-up, updating of unit SOP's, and generating the 1974 through 1977 capital project plans.

**ACCOMPLISHMENTS:**

Thirty projects totaling over \$350M were completed. One \$25M project increased the plant's stripper-concentrator capacity by 30% eliminating the need to purchase another stripper-concentrator unit for the reactor expansion planned in 1976-1977.

1969 - 1972    CELANESE PLASTICS COMPANY, Bishop Texas

Celanese Plastics at Bishop produces a thermoplastic acetal copolymer using formaldehyde as the primary raw material. Distillation columns, extractors, reactors, dryers, blenders, extruders, etc. are utilized in their continuous-type process lines.

Process Engineer (1 1/2 years)

Was involved in the following:

- Installation and start-up of expansion equipment
- Research into simplification of the existing process (long range development)
- Direction of pilot plant simplification experiments
- Designing methods of allocating of utilities to the plastics plant units
- Estimating future utilities usage for budgetary purposes

Operations Engineer (1 1/2 years)

Duties included:

- Efficiency studies
- Presentation of safety meetings to the entire plastics plant
- Documentation of operating conditions during running of new polymer variations
- Solution of daily mechanical and product quality problems
- Writing of daily unit operating instructions
- Supervision of equipment repairs and installations
- Weekend duty and relief of unit supervisor during his absences
- Presented operating information to Celanese's German affiliate during a joint manufacturing meeting
- Supervised all phases of a polymer unit for three months

Summer, 1968    THE LUBRIZOL CORPORATION, Deer Park, Texas

Summer, 1967    Lubrizol produces industrial additives by batch process methods.

Fall, 1966        Engineer Trainee (16 months)

Spring 1966     Worked four semesters as a Cooperative Education student. The initial periods were spent as an operator-helper. Duties during the latter two periods included adjustment of blends, calculation of unit efficiencies, correction of equipment breakdowns.

Summer 1965    STATE OF TEXAS, Highway Department, Hondo, Texas  
Duties included drafting and survey crew work.

**REFERENCES:**

Dale Keister, former Plant Manager, Aqualon; Kenedy, TX; 10392W Twin Lake Road, Hayward, WI; 54843, phone: (715) 462-4128

**Interest Group:**

Small Business

**Nominees:**

Mitchell Sowards

**SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING  
GROUP Nomination for Interest Group (check one):**

- |                                                 |                                                             |
|-------------------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/> <b>Public</b>          | <input type="checkbox"/> <b>Industries</b>                  |
| <input type="checkbox"/> <b>Counties</b>        | <input type="checkbox"/> <b>Agricultural</b>                |
| <input type="checkbox"/> <b>Water Districts</b> | <input checked="" type="checkbox"/> <b>Small Businesses</b> |

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (see *addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NOMINATOR**

**NAME:** Mitchell R. Sowards

**ADDRESS:** [REDACTED]

**PHONE:** [REDACTED] **FAX:** [REDACTED] **EMAIL:** [REDACTED]

**OCCUPATION:** Executive Technologist



**NOMINEE**

**NAME:** Self

**ADDRESS:** [REDACTED]

**PHONE:** [REDACTED] **FAX:** [REDACTED] **EMAIL:** [REDACTED]

**INTEREST AREA:** [REDACTED]

**COUNTY:** Bexar

**OCCUPATION:** [REDACTED]

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

I have served on the SCTRWPG since 2019 and am willing to continue serving in the term beginning in 2024.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**

I previously served on the San Antonio Water System Citizens Advisory Panel (CAP) since 2019 until it was sunsetted and now serve on the replacement Customer Experience Committee (CEC).

**DATE SUBMITTED:** 2-June-2023

***PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED***

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

**Interest Group:**

Public

**Nominees:**

Dianne Wassenich

Rachel Cywinski

**Dianne Wassenich**



## Region L Nomination Form

Nominator:

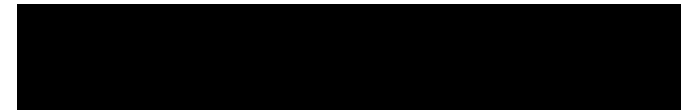
Dianne Wassenich



Retired executive director of a nonprofit

Nominee:

Dianne Wassenich



Area of Interest: Public

Hays County, Retired nonprofit executive director

I worked 34 years in the nonprofit environmental group San Marcos River Foundation on water issues, am active in the League of Women Voters, and continue to volunteer and follow water issues like the Habitat Conservation Plan (HCP) for the Edwards Aquifer, and the Guadalupe Blanco River HCP process going on now. I serve on the Great Springs Project Board, which is working to conserve recharge zone lands and connect the great springs of central Texas with public trails, on some of those purchased properties or conservation easements. I served as vice chair during the Guadalupe and San Antonio Bay Basin process.

I have served on Region L for around ten years or more, representing the Public. The League of Women Voters groups in Region L have supported my nomination for this Public seat on Region L for all of this period, and continue to do so. Three



Leagues are sending in letters of support: San Antonio, Comal County and San Marcos. The Victoria League, which always supported my nomination as well, is now inactive. These support letters will come in over the coming weeks, as those Leagues have board meetings to vote on the support. I would like to serve another term, but my plan is to now involve younger League of Women Voter members in attending meetings during my possible coming term, and learn about Region L's work, to ready someone for this seat when this term is up.

June 1, 2023

Chairman Tim Andruss  
South Central Texas Regional Water Planning Group  
c/o SARA  
201 W. Sheridan  
San Antonio, TX 78204

(via email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org))

Dear Mr. Andruss:

The Board of Directors of the League of Women Voters Comal Area ( LWVCA) is pleased to nominate Dianne Wassenich again for the Public Representative opening on the Region L water planning group.

Wassenich is well qualified, having served in this position for the past ten years with Region L, and has experience in representing the interests of the public in her many volunteer positions and her career over the past several decades in Central Texas. We also believe her work in water issues at the San Marcos River Foundation, on the Edwards Recovery Implementation Plan (or Habitat Conservation Plan), and on the Senate Bill 3 Bay/Basin stakeholder process, is the kind of experience needed for your group.

Thank you for the opportunity to nominate Ms. Wassenich for this position.

Best Regards,

Jerrie Champlin  
President, League of Women Voters Comal Area

**From:** [Marilyn Minnaar](#)  
**To:** [Cayethania Castillo](#)  
**Cc:** [Dianne Wassenich](#)  
**Subject:** [EXTERNAL] Nomination for Water Planning Group  
**Date:** Tuesday, June 20, 2023 2:59:05 PM  
**Attachments:** [image.png](#)

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External Email: Beware of links/attachments.



P.O. Box 414  
Wimberley, TX 78676  
June 20, 2023

Chairman Tim Andruss  
South Central Texas Regional Water Planning Group  
c/o SARA  
201 W. Sheridan  
San Antonio, TX 78204

Dear Mr. Andruss:

The Board of Directors of the League of Women Voters of Hays County is pleased to nominate Dianne Wassenich again for the Public Representative opening on the Region L water planning group. She is well qualified, having served in this position for the past ten years with Region L, and has experience in representing the interests of the public in her many volunteer positions and her career over the past several decades in Central Texas. We also believe her work in water issues at the San Marcos River Foundation, on the Edwards Recovery Implementation Plan (or Habitat Conservation Plan), and on the Senate Bill 3 Bay/Basin stakeholder process, is the kind of experience needed for your group.

Thank you for the opportunity to nominate Ms. Wassenich for this position.

Sincerely,

~ Marilyn Minnaar (she/her/hers)  
President at [LWV of Hays County](#)  
[VOTE411.org](#)  
***Empowering Voters. Defending Democracy.***

IMPORTANT NOTICE: The contents of this email and any attachments are confidential and may also be privileged. If you are not the intended recipient, please notify the sender immediately and do not disclose the contents to any other person, use it for any purpose, or store or copy the information in any medium. Thank you.

**Rachel Cywinski**

Andruss, Chair, South

South Central Texas

Texas Regional Water Planning Group, c/o San Antonio  
River Authority, Attn: Caye Castillo, 201 W. Sheridan Street, San Antonio, Texas 78204,  
or emailed to ccastillo@sariverauthority.org

**Regional Water Planning Group Voting Membership**

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING

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

**Public Counties**

**Water Districts**

**Industries **Agricultural** Small Businesses**

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), 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. Please refer to section 357.11 (e) (*see addendum*) of the Texas Administrative Code for the definitions of the interest categories represented on the SCTRWPG.

**NAME:**

Todd  
Phillips

**ADDRESS:**

15206 Fall  
Ridge Dr San  
Antonio Tx  
78247

**PHONE:**

210 545  
6102

**FAX:**

**OCCUPATION**

Retired

**Veterinarian**

**NOMINATOR**

**NOMINEE**

**NAME:** Rachel Cywinski

**ADDRESS:** PO Box 830085, San Antonio, Texas  
78283-0085

**PHONE:** 210-388-3048

**FAX:**

**INTEREST AREA:** representative of  
public

**COUNTY:** Bexar

**OCCUPATION:**  
education

**EMAIL:**

**EMAIL:**

worldvisitor@rocketmail.com

**PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):**

Rachel Cywinski began attending meetings of the South Central Texas Regional Water Planning Group (Region L) in 2015 with other "Water Captains"--trained volunteers in a program that Texas Impact/Texas Interfaith Center for Public Policy developed to educate people about and bring people into the Texas public water planning process.

Water Captains who lived within Region L responded to the draft water plan in 2015 with a White Paper of recommendations which they presented during the public hearings on the draft plan.

SCTRWPG integrated the Water Captains' recommendations into the next 5-year planning cycle as discussion topics during its meetings.

**PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):**



Rachel Cywinski served on the San Antonio Water System Citizens Advisory Panel for six years (three terms). She is now serving on the San Antonio Water System Community Conservation Committee in her second term/third year.

For more than a decade, Rachel has presented to local and statewide groups about the importance of protecting water and native plants as the basis for Texas ecoregions and life in Texas. Rachel has also served on the City of San Antonio Disability Access Advisory Committee and Affirmative Action Advisory Committee. She volunteers with Texas Stream Team and San Antonio River Authority, and is a Texas Master Naturalist active in the Alamo chapter (Class 2, 1997).

I have known Rachel for more than ten years through various affiliations such as UMC church attendance, working with her on the San Antonio River Warriors, the Texas Stream Team, and as a personal friend.

I know that she will bring a caring and informed perspective to this position, and that her dedication to the preservation of Texas natural resources would be an asset to the South Central Texas Regional Water Planning Group (Region L). I am excited to be able to nominate her for this position. Thank you,

Todd Phillips

**DATE SUBMITTED:**  
**5/15/2023**

*PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED*

Nominations must be received by **5:00 p.m., Friday, June 9, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to [ccastillo@sariverauthority.org](mailto:ccastillo@sariverauthority.org)

**AGENDA ITEM NO.5 – STATUS REPORTS AND COMMUNICATIONS BY TWDB**

# Region L TWDB Update August 3, 2023

## Reminder of Upcoming Critical Deadlines

- **August 11** – Deadline to request revisions to draft population and municipal demand projections
- TWDB staff will present all projections to the Board for adoption **Fall 2023**
- **March 4, 2024** – Deadline to submit Technical Memorandum deliverable

## Interregional Planning Council

- Previous meetings in 2023 held March 9 and May 30
  - Reviewed an outline of the Council's report and discussed report prep
  - Reviewed the implementation status of previous IPC's recommendations
  - Started discussing recommendations for this cycle
- Next meeting: **August 15** in Austin, TX with virtual option to attend

# Region L TWDB Update August 3, 2023

## **RWPG Chairs Call**

- Held June 27
- Update on bills of interest from the 88th Legislative Session
- Update on Sixth Cycle of Regional Water Planning Activities:
  - Anticipated fall contract amendments, projection deadlines, upcoming RWPG tasks, and coordination with the State Climatologist
- Update on the Interregional Planning Council
- Discussed Population Projections and Water Demand Data
- Discussed Infeasible Water Management Strategies
- Next Chairs Call Scheduled for **September 27**

## **New One-Pagers / Educational Materials**

- Population Projections and Revision Request Summary
- Uncertainty in Regional Water Planning
- <https://www.twdb.texas.gov/waterplanning/rwp/education/index.asp>

Region L South Central Texas Regional Water Planning Group  
Regional Water Planning Meeting

**Infeasible Water Management Strategies  
Identification and Resolution Process**

August 3rd, 2023  
San Antonio, Texas

# Identification of Infeasible WMSs in 2021 RWP

## Task Background

*First Amended General Guidelines for Development of the 2026 Regional Water Plans, Section 2.11, Scope of Work Task 4B, and January 31, 2023 email clarification*

At a minimum, RWPGs should review the status of recommended strategies and projects with an online decade of **2020 and 2030, involve permitting and/or construction, and are specific major projects (e.g., reservoirs, desal, ASR)** in the 2021 RWPs.

RWPGs are also encouraged, but not required, to review additional near-term strategies or projects with lengthy permitting or construction processes.

# Determining Infeasibility

***Infeasible WMSs include those WMSs where proposed sponsors have not taken an affirmative vote or other action to make expenditures necessary to construct or file applications for permits required in connection with implementation of the WMS on a schedule in order for the WMS to be completed by the time the WMS is needed to address drought in the plan.***

# Identification of Infeasible WMSs - TO DO

1. Review strategies and projects in the previous RWP; coordinate with project sponsors to determine implementation status and determine infeasibility.



2. Planning groups should review strategies & projects that **require a permit and/or involve construction** and that:

- are shown to be online in **2020** or **2030**;
- are related to new major reservoirs, seawater desalination, DPR, brackish groundwater, ASR, and out of state transfers;
- generally require significant resources and time to implement.

Analysis is ***not*** required for strategies/projects that do not require a permit or involve construction (e.g., conservation, metering).



# Identification of Infeasible WMSs - TO DO (Continued)

- **If infeasible WMSs are identified**, a list of the identified infeasible WMSs must be included in the **Technical Memorandum**
- **If infeasible WMSs are identified**, planning groups ***must amend 2021 plans*** to:
  - Remove an infeasible WMS or WMSP,
  - Revise an infeasible WMS or WMSP to make it feasible (e.g., revise the online decade), and/or
  - Incorporate a new WMS or WMSP to address the identified water need previously met by an infeasible WMS or WMSP that was removed due to infeasibility (or justify municipal unmet need).
- An alternative strategy can be used in place of an infeasible strategy. However, it ***must*** be deemed feasible.

# Identification of Infeasible WMSs - TO DO (Continued)

Planning groups are to present the results of their 2021 RWP WMSs/WMSPs infeasibility analysis at the same public meeting where the RWPG also presents methodology for identifying potentially feasible WMSs/WMSPs in their 2026 RWP.

**14 Day** Public Notice/Comment Period for this is required.

# Identification of Infeasible WMSs – Important Deadlines and Deliverables

- Analysis must be completed prior to **March 4, 2024**  
(Technical Memorandum due date)
  - Include list of infeasible WMSs in **Technical Memorandum**
  - Note, an analysis does *not* need to be completed for alternative strategies.
  
- RWPG-adopted 2021 RWP amendments due to TWDB  
**June 5, 2024**



# Questions?

## **Michele Foss**

Regional Water Planner, TWDB

(512) 463-9225

Michele.Foss@twdb.texas.gov

**AGENDA ITEM NO.7 – PRESENTATION BY THE SAN ANTONIO WATER SYSTEM ON THE 88TH  
LEGISLATIVE SESSION**

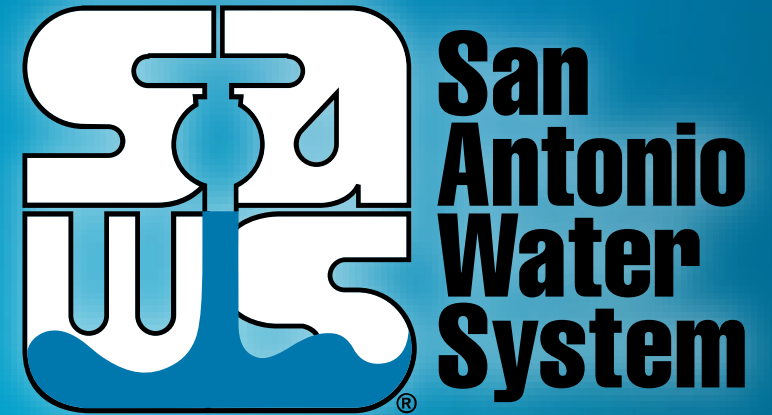
# 88<sup>th</sup> Legislative Session Update

Blaire Parker

SAWS Senior Governmental and External Relations Coordinator

Region L Meeting

August 3, 2023



MAKING SAN ANTONIO  
**WATERFUL** 



# 88<sup>th</sup> Legislative Session

## Overview

- The 88<sup>th</sup> Regular Session ended May 29, 2023
  - 8,345 bills and joint resolutions filed
  - Governor's veto period ended June 18, 2023





# 88<sup>th</sup> Legislative Session

## Issue Overview

- State Budget
- School Safety
- Ending COVID restrictions
- Fentanyl crisis
- Grid resiliency
- Property tax relief
- Border Security
- Education savings accounts



# 88<sup>th</sup> Legislative Session

## Infrastructure Funding

- **SB 28/SJR 75 by Perry/King**

- Creation of the Texas Water Fund & the New Water Supply for Texas Fund

- Not less than 25% for water supply fund

- **SB 30 by Huffman/Bonnen**

- \$1 Billion for SB 28/SJR 75 (w/voter approval)

- \$125 Million for State Revolving Fund match

- Nearly \$625 Million for Flood Infrastructure Fund



# 88<sup>th</sup> Legislative Session

## Infrastructure Funding cont.

- **Texas Water Fund** – may be used for the New Water for Texas Supply Fund, as well as TWDB’s existing programs, and the board shall ensure that a *portion* is used for:
  - Water infrastructure projects, prioritized by risk or need, for rural political subdivisions and municipalities with a population of less than 150,000
  - Projects with substantially complete state or federal permitting
  - Statewide water public awareness campaign
  - Water conservation strategies
  - Water loss mitigation projects

# 88<sup>th</sup> Legislative Session

## Infrastructure Funding cont.

- **New Water Supply for Texas Fund** – may used to develop water supply projects that create new water sources for the state, *including:*
  - Desalination projects, including marine and brackish desalination
  - Produced water treatment projects
  - Aquifer Storage and Recovery

# 88<sup>th</sup> Legislative Session

## Bills Passed Impacting Regional Planning

- **HB 1 – Appropriations bill** *Effective 9/1/23*
  - \$1.3 million per year for next two years for grants for regional water planning efforts
    - TWDB will distribute funding this Fall.
- **HB 3278 by Price/Blanco** *Effective immediately*
  - Additional notice when there is a change late in the DFC process
    - 30 day posting of all public comment materials
    - Ensures public comment at joint planning meeting to adopt DFCs



# 88<sup>th</sup> Legislative Session

## Bills Passed Impacting Regional Planning

- **HB 2443 by Harris/Perry** *Effective 9/1/23*
  - Creates a petition process for GCD rulemaking
- **HB 3059 by King/Perry** *Effective 9/1/23*
  - Revises GCD export fees and use of fees for mitigation efforts
- **HB 1971 by Ashby/Springer** *Effective immediately*
  - Revises GCD permit timelines and board member disqualification provisions

# 88<sup>th</sup> Legislative Session

## Bills Passed Impacting Regional Planning

- **HB 2460 by T. King/Perry** *Effective 9/1/23*
  - Requires Texas Commission on Environmental Quality to obtain or develop updated water availability models for certain river basins.
- **HB 2815 by Jetton/Creighton** *Effective Immediately*
  - Changes the per diem of water district directors from \$150/day to not exceed the legislative per diem (\$221).
- **HB 2759 by Thompson/Perry** *Effective 9/1/23*
  - Establishes the TexMesonet Hydrometeorology Network and the TexMesonet Advisory Committee through the TWDB for use in weather forecasting, drought monitoring and water resource and conservation planning

# 88<sup>th</sup> Legislative Session

## Sunset Bills

- **TWDB (HB 1565 by Canales/Perry)** *Effective 9/1/23*
  - Increases the efficiency of the loan review process, requires each RWPG to include certain information in its regional plan and allows RWPGs to plan for a drought worse than the drought of record
- **TCEQ (SB 1397 by Schwertner/Bell)** *Effective 9/1/23*
  - Increases transparency, revises use of permittee compliance history, and revises the environmental flows statutory framework
- **PUC/ERCOT (HB 1500 by Holland/Schwertner)** *Effective 9/1/23*
  - Range of electricity policy issues

# 88<sup>th</sup> Legislative Session

Bill that did NOT pass that would have impacted Regional Water Planning

- **HB 4373/SB 2108 by Canales/Johnson**
  - Would have removed the requirement to make copies of the regional water plan available in county courthouses and libraries one month before the hearing
    - Would have allowed posting of the plan on the group's website



# 88<sup>th</sup> Legislature

## Interim Outlook

- Two special sessions concluded
  - Property tax relief
- Likely additional special session
  - Education
- Bill implementation and policy issues at state agencies
- Interim committee charges

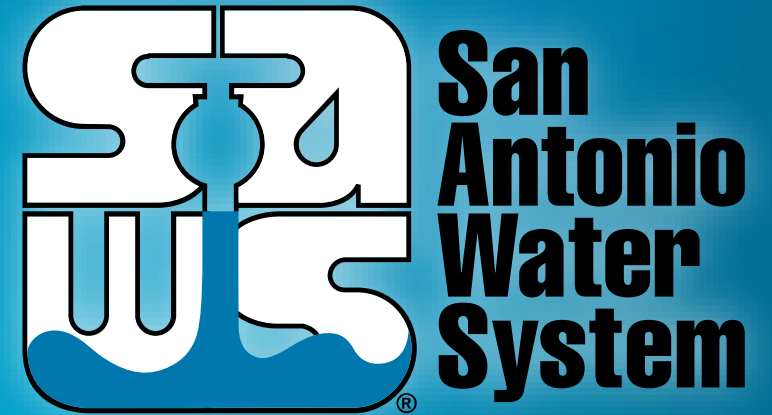
# 88<sup>th</sup> Legislative Session Update

Blaire Parker

SAWS Senior Governmental and External Relations Coordinator

Region L Meeting

August 3, 2023



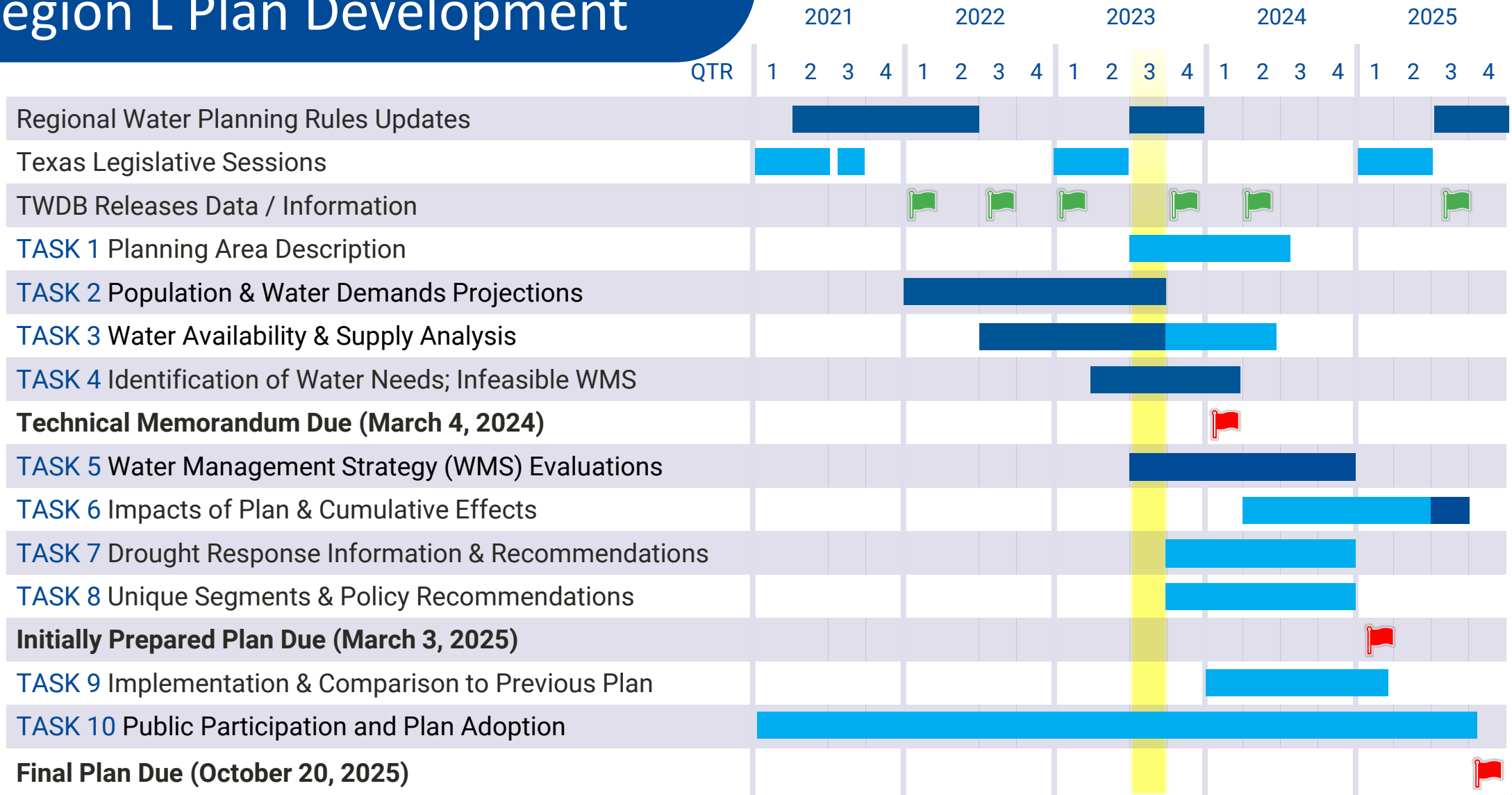
MAKING SAN ANTONIO  
**WATERFUL** 

**AGENDA ITEM NO.8 – PRESENTATION BY TECHNICAL CONSULTANT REGARDING:**

- a) SCHEDULE AND PROGRESS UPDATES**
- b) POPULATION AND MUNICIPAL WATER DEMAND PROJECTIONS AND SUPPORTING DATA**

# Agenda Item 8.a: Presentation by Technical Consultant Regarding: Schedule and Progress Updates

# Conceptual Schedule for Region L Plan Development



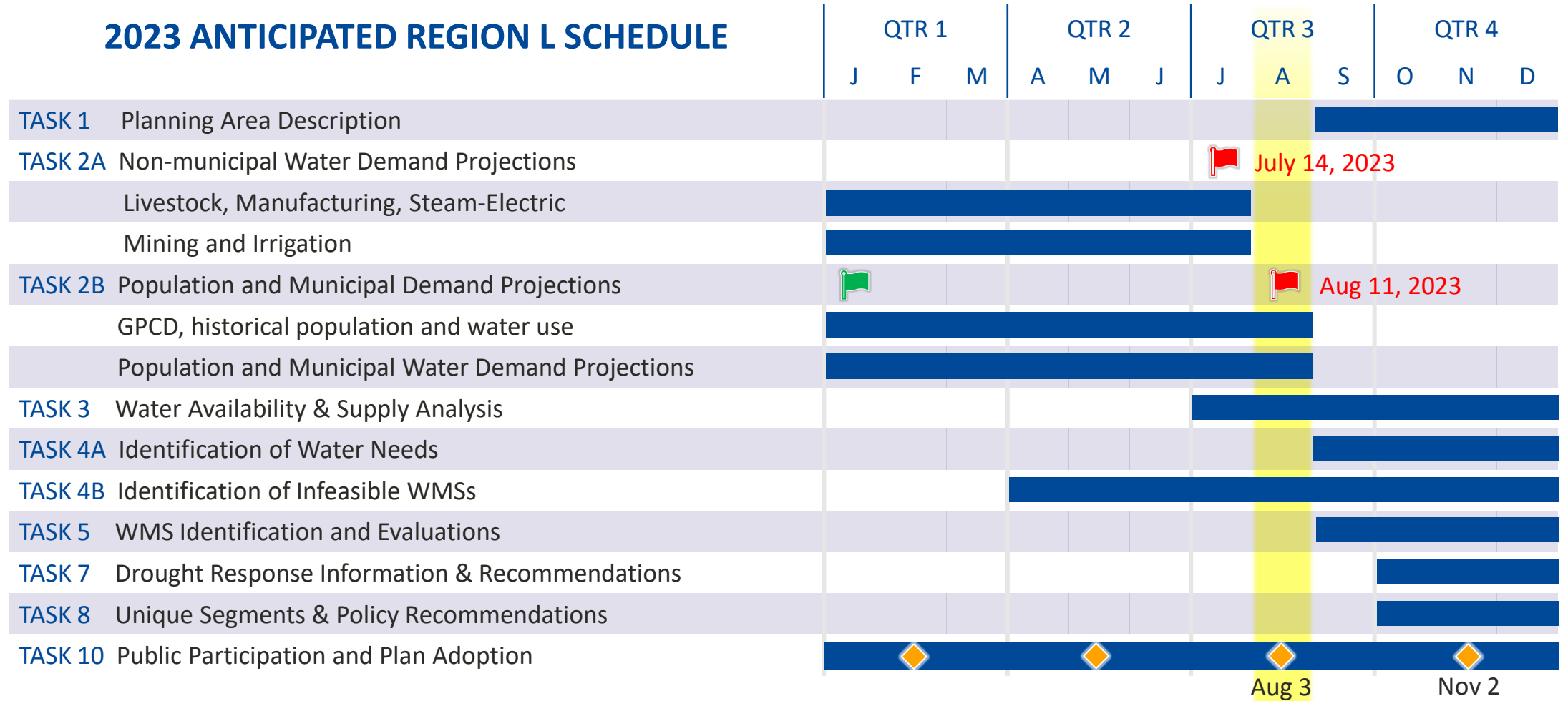
■ TWDB Conceptual Schedule

■ B&V Planned Schedule

🚩 TWDB Data Release

🚩 TWDB Deadline

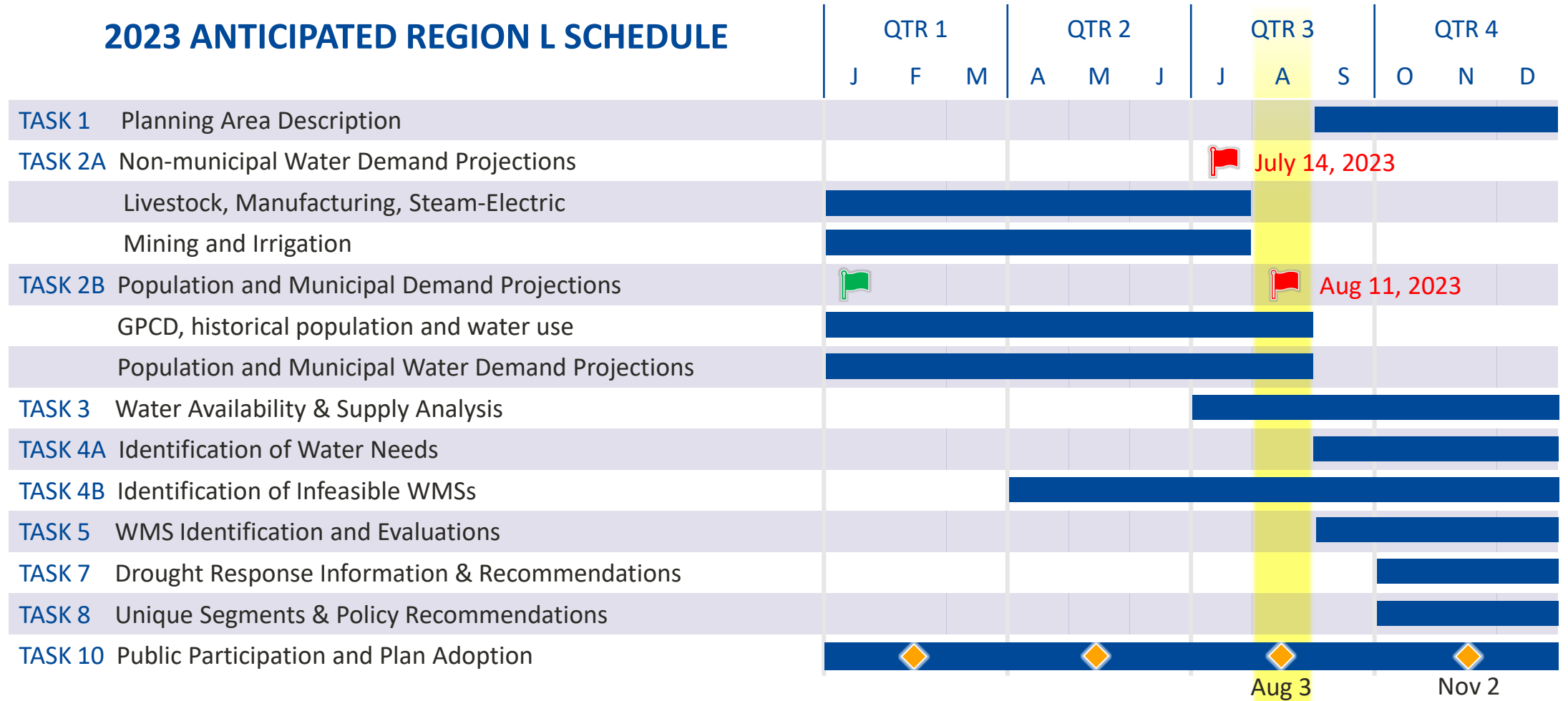
## 2023 ANTICIPATED REGION L SCHEDULE



### LEGEND

- Region L Activities
- 🚩 TWDB Data Release
- 🚩 TWDB Deadline
- ◆ Region L RWPG Meeting

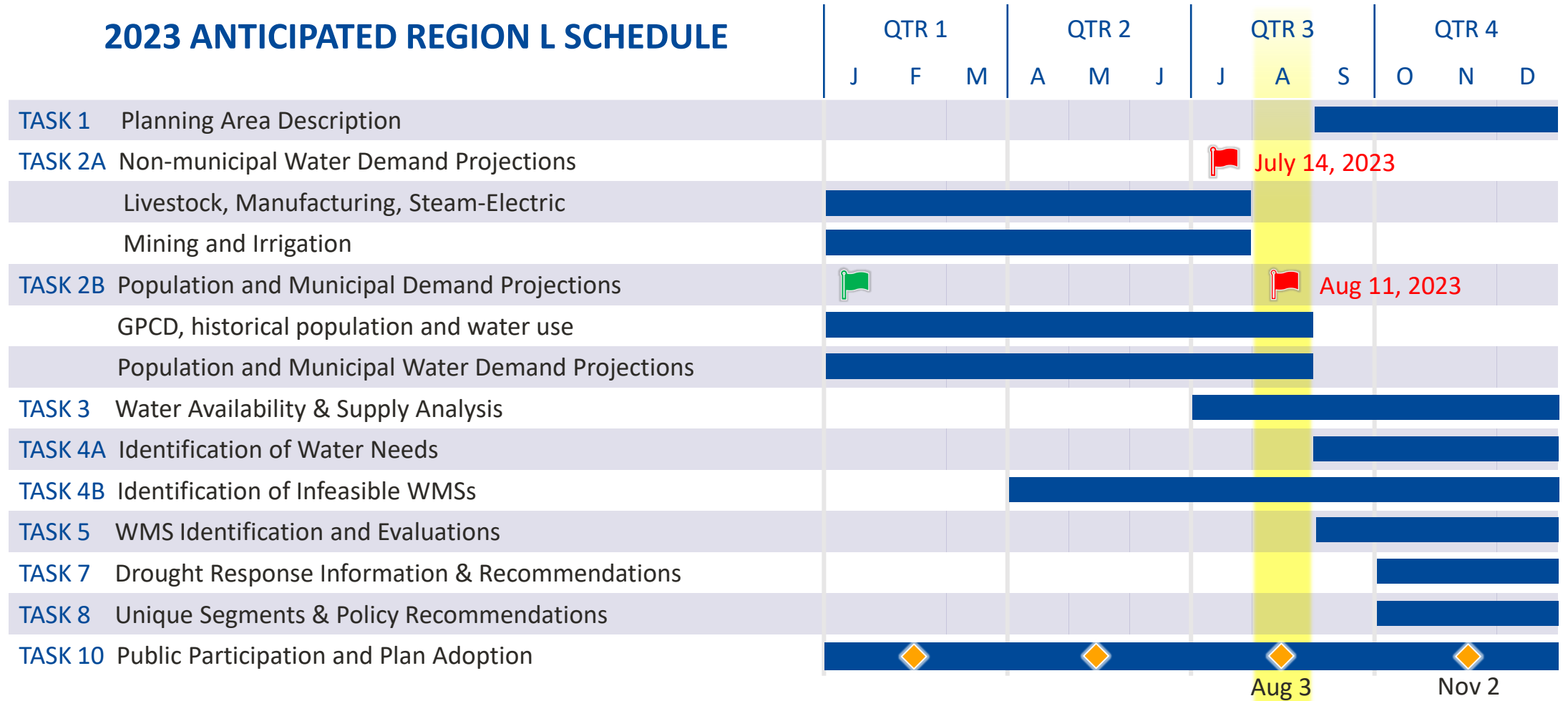
## 2023 ANTICIPATED REGION L SCHEDULE



### AUGUST RWPG MEETING TOPICS:

- Finalize feedback to TWDB on population and municipal water demands

## 2023 ANTICIPATED REGION L SCHEDULE



### LEGEND

## NOVEMBER RWPG MEETING TOPICS:

- Hydrologic Variances (Task 3)
- Process and Analysis of Infeasible WMSs (Task 4B)
- Process for Identifying Potentially Feasible WMSs (Task 5A)

Requires  
14-day  
Notice



# Update on Completed Efforts

- Submitted feedback to TWDB on Non-Municipal Demand Projections
- Population & Water Demands Workgroup:
  - Met with PWD Workgroup in May, June, and July to address population and municipal demand projections.
  - Prepared recommendations to Region L Regional Water Planning Group (RWPG) for Aug. 3<sup>rd</sup> Meeting
    - Will complete and submit to TWDB a memo regarding RWPG approved revisions by August 11, 2023

# Update on Ongoing Efforts

- Continuing Interregional Coordination Efforts
  - Regular calls with Region K consultant team
  - Connecting with Regions G, N, and P, as needed
- Continuing review of 2021 Plan WMS to determine if any may be infeasible
  - Will reach out to WUGs/Project Sponsors with questions
- Beginning review of hydrologic assumptions and variances for this cycle
- Beginning Water Supplies and WMS Outreach
  - Forthcoming survey to WUGs for Existing Water Supplies and future WMS

# Agenda Item 8.b: Presentation by Technical Consultant Regarding: Population and Municipal Water Demand Projections and Supporting Data

# Summary of TWDB Data Releases to Date

Type	Deadline for RWPG to Review and Submit Revisions to TWDB
Water User Group (WUG) List	July 29, 2022
Non- Municipal Water Demand Projections: Livestock, Manufacturing, Steam-Electric, Irrigation, and Mining	July 14, 2023
Historical WUG data and Draft Baseline GPCD	August 11, 2023
Population and Municipal Water Demand Projections	August 11, 2023

# Draft Population and Municipal Water Demand Projections



TWDB provided the RWPGs with Draft Population and Municipal Water Demand Projections they developed from the State Demographer's Data.



The RWPGs were tasked with reviewing the draft projections and providing requested revisions back to TWDB by August 11, 2023.



The RWPGs sent draft projections to utilities (municipal WUGs) to obtain feedback prior to the deadline.

*TWDB requires specific documentation to support a change.*

# Draft Population and Municipal Water Demand Projections



TWDB provides the RWPGs with Draft Population and Municipal Water Demand Projections developed from the State Demographer's Data.

The draft projections included:

- WUG and county-level population projections based on the Texas Demographic Center (TDC) full (1.0) migration scenario and half (0.5) migration scenario;
- Baseline Gallons Per Capita Per Day (GPCD);
- Plumbing code savings projections; and
- Municipal demand projections.



<https://www.twdb.texas.gov/waterplanning/data/projections/2027/municipal.asp>

# Draft Population and Municipal Water Demand Projections



TWDB provided the RWPGs with Draft Population and Municipal Water Demand Projections they developed from the State Demographer's Data.



The RWPGs were tasked with reviewing the draft projections and providing requested revisions back to TWDB by August 11, 2023.



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*TWDB requires specific documentation to support a change.*

# Justification Needed for Revision Requests

- Capital Improvement Plans;
- Water and Wastewater Master Plans;
- Developer Agreements;
- Impact Fee Reports;
- Water Use Surveys;
- Utility-specific Population Studies; and
- Historical growth data between 2010 and 2022.
- Other Justification for Revisions:
  - Undercount of 2% county-wide
  - Undercount of 5% for Hispanic populations



# Activities of Population and Water Demands (PWD) Workgroup

# Summary of Population and Municipal Demands Review Activities

## Establishment of PWD Workgroup

- February 16, 2022

## TWDB Releases Population and Water Demands Data

- January 31, 2023

## Outreach

- Survey
  - Early March 2023
- Webinar
  - March 9

## TWDB Released Revised Water Demands Data

- May 5

## PWD Workgroup Meetings to Review Data

- March 29
- April 26
- May 19
- June 27
- July 20

## Finalized Recommendations for Population and Municipal Demands

- July 20

## Presentation of Recommendations to RWPG for Feedback to TWDB

- August 3

TWDB released revised water demands data in early May to correct plumbing code savings

# WUG Feedback on Population and Water Demands Projections

67  
WUGs

47% of  
all  
WUGs

88% of  
Total  
Pop.

85% of  
Total  
Demands

1. 3009 Water Company
2. Alamo Heights
3. Aqua WSC
4. Bexar County WCID 10
5. Boerne
6. Canyon Lake Water Service (TWC)
7. Castroville
8. Cibolo
9. Concan WSC
10. Converse
11. Cotulla
12. County Line SUD
13. Creedmoor-Maha WSC
14. Crystal Clear SUD
15. Cuero
16. East Central SUD
17. El Oso WSC
18. Elmendorf
19. EMCSUD
20. Fair Oaks Ranch
21. Falls City
22. Garden Ridge
23. GBRA
24. Gonzales
25. Gonzales County WSC
26. Green Valley SUD
27. Hondo
28. Karnes County-Other
29. Kendall County WCID 1
30. Kyle
31. La Coste
32. La Vernia
33. Leon Valley
34. Live Oak Water System
35. Lockhart
36. Martindale WSC
37. Maxwell SUD
38. McCoy WSC
39. Moore WSC
40. Natalia
41. New Braunfels Utilities
42. Pleasanton
43. Point Comfort
44. Port Lavaca
45. Poteet
46. San Marcos
47. SAWS
48. Schertz
49. Seguin
50. Selma
51. Shavano Park
52. Smiley
53. Springs Hill WSC
54. SS WSC
55. Stockdale
56. Sunko WSC
57. Texas State University
58. The Oaks WSC
59. Three Oaks WSC
60. Tri-Community Water
61. Universal City
62. Uvalde
63. Victoria
64. Ville D 'Alsace Water Supply
65. Windmill WSC
66. Wingert Water Systems
67. Yoakum

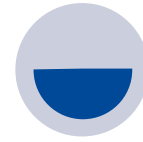
# Migration Scenarios

- Population projections are based on demographic trends, including birth rates, mortality rates, and **net migration** of population groups.
- TWDB provided WUG-level projections using two migration scenarios:



**1.0**

Full Migration Scenario:  
Net migration rates of  
2010 to 2020



**0.5**

Half-Migration Scenario:  
2010 to 2020 migration  
rates halved

For each county, the PWD Workgroup reviewed migration scenarios & feedback from representatives, then selected the most appropriate scenario

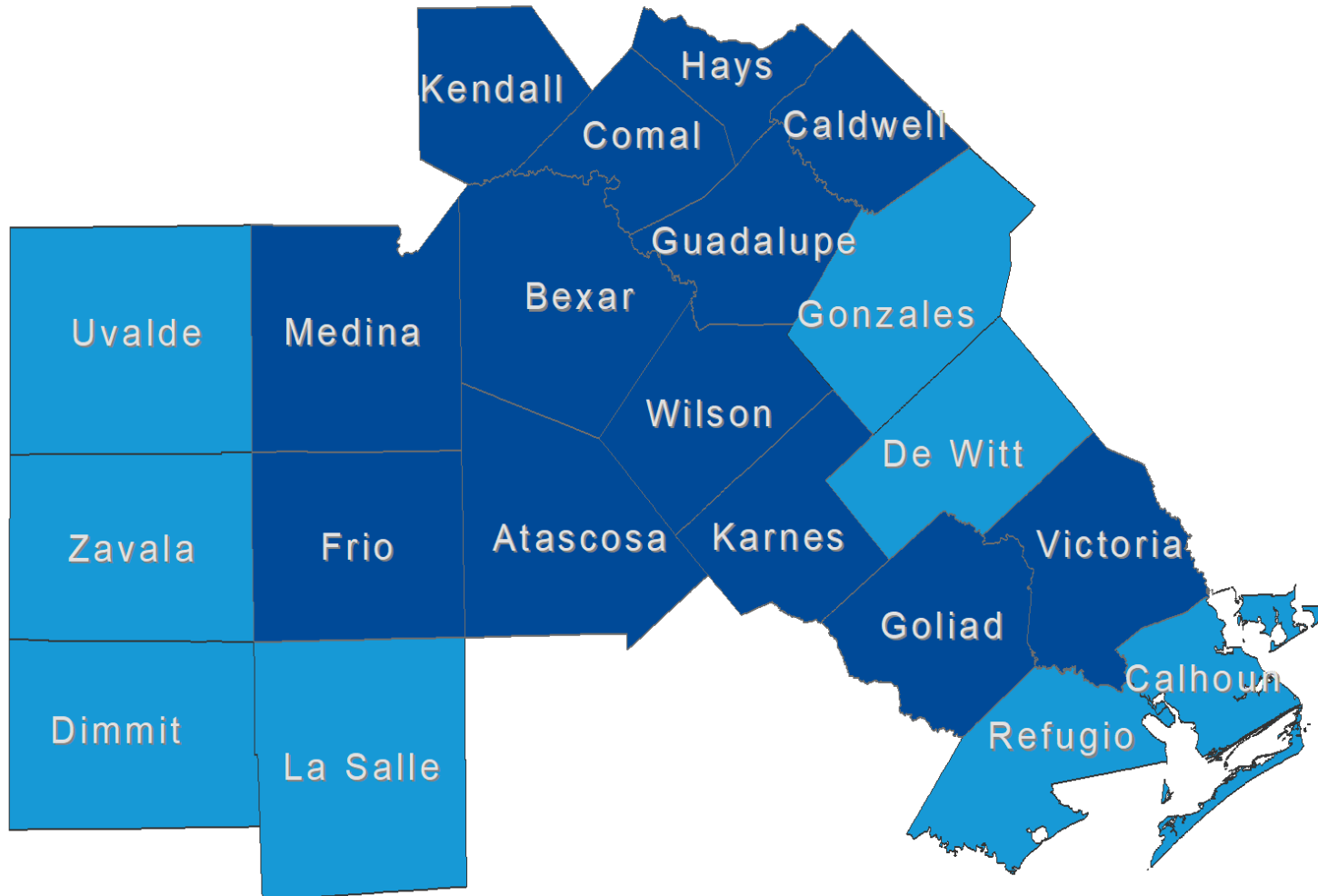
# Comparison of Migration Scenarios (1 of 2)

County	1.0 Scenario						0.5 Scenario					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
ATASCOSA	53,324	57,374	61,473	64,960	68,952	73,522	51,727	54,132	56,203	57,491	58,854	60,296
	Delta						(1,597)	(3,242)	(5,270)	(7,469)	(10,098)	(13,226)
BEXAR	2,302,829	2,599,727	2,865,834	3,102,720	3,373,931	3,684,440	2,211,656	2,387,174	2,524,414	2,630,194	2,742,102	2,860,493
	Delta						(91,173)	(212,553)	(341,420)	(472,526)	(631,829)	(823,947)
CALDWELL	53,749	61,689	69,133	76,291	84,486	93,868	50,343	54,283	57,303	59,889	62,625	65,520
	Delta						(3,406)	(7,406)	(11,830)	(16,402)	(21,861)	(28,348)
CALHOUN	18,515	16,791	14,926	13,162	11,142	8,829	19,449	18,619	17,599	16,571	15,483	14,332
	Delta						934	1,828	2,673	3,409	4,341	5,503
COMAL	226,709	315,640	434,242	584,380	756,273	953,073	190,748	222,521	256,086	290,856	327,640	366,555
	Delta						(35,961)	(93,119)	(178,156)	(293,524)	(428,633)	(586,518)
DEWITT	19,717	19,552	19,234	18,759	18,215	17,592	19,716	19,687	19,565	19,482	19,394	19,301
	Delta						(1)	135	331	723	1,179	1,709
DIMMIT	7,341	6,303	5,340	4,484	3,504	2,382	8,175	7,818	7,383	6,983	6,560	6,112
	Delta						834	1,515	2,043	2,499	3,056	3,730
FRIO	19,512	20,540	21,269	21,643	22,071	22,561	19,446	20,379	21,083	21,592	22,130	22,699
	Delta						(66)	(161)	(186)	(51)	59	138
GOLIAD	6,803	6,648	6,559	6,454	6,334	6,197	6,769	6,592	6,394	6,264	6,126	5,980
	Delta						(34)	(56)	(165)	(190)	(208)	(217)
GONZALES	19,204	18,674	17,796	16,865	15,799	14,579	19,716	19,697	19,399	19,064	18,710	18,335
	Delta						512	1,023	1,603	2,199	2,911	3,756
GUADALUPE	216,582	268,305	326,154	387,211	457,115	537,148	195,808	219,232	241,021	259,920	279,914	301,066
	Delta						(20,774)	(49,073)	(85,133)	(127,291)	(177,201)	(236,082)

# Comparison of Migration Scenarios (2 of 2)

County	1.0 Scenario						0.5 Scenario					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
HAYS (L)	260,714	376,095	528,035	734,262	970,372	1,240,694	221,648	271,336	322,357	379,538	440,032	504,031
	Delta						(39,066)	(104,759)	(205,678)	(354,724)	(530,340)	(736,663)
KARNES	15,357	16,052	16,739	17,527	18,429	19,462	15,206	15,722	16,182	16,751	17,353	17,990
	Delta						(151)	(330)	(557)	(776)	(1,076)	(1,472)
KENDALL	56,306	70,896	89,665	111,448	136,387	164,940	49,191	54,496	60,143	65,422	71,007	76,916
	Delta						(7,115)	(16,400)	(29,522)	(46,026)	(65,380)	(88,024)
LA SALLE	6,645	6,586	6,319	5,926	5,476	4,961	6,723	6,766	6,690	6,529	6,359	6,179
	Delta						78	180	371	603	883	1,218
MEDINA	54,536	57,772	60,148	61,719	63,518	65,578	52,700	54,147	54,761	54,852	54,948	55,050
	Delta						(1,836)	(3,625)	(5,387)	(6,867)	(8,570)	(10,528)
REFUGIO	6,283	5,820	5,352	4,897	4,376	3,780	6,489	6,243	5,992	5,799	5,595	5,379
	Delta						206	423	640	902	1,219	1,599
UVALDE	22,571	20,698	18,741	16,822	14,625	12,110	24,095	23,623	22,929	22,142	21,309	20,428
	Delta						1,524	2,925	4,188	5,320	6,684	8,318
VICTORIA	93,954	96,082	96,608	96,168	95,664	95,087	93,984	95,975	96,635	96,664	96,695	96,728
	Delta						30	(107)	27	496	1,031	1,641
WILSON	55,858	61,941	67,968	73,304	79,413	86,407	52,712	55,297	57,252	58,451	59,719	61,060
	Delta						(3,146)	(6,644)	(10,716)	(14,853)	(19,694)	(25,347)
ZAVALA	8,595	7,590	6,649	5,747	4,714	3,531	9,480	9,232	8,858	8,472	8,064	7,632
	Delta						885	1,642	2,209	2,725	3,350	4,101
REGION L TOTAL	3,525,104	4,110,775	4,738,184	5,424,749	6,210,796	7,110,741	3,325,781	3,622,971	3,878,249	4,102,926	4,340,619	4,592,082
	Delta						(199,323)	(487,804)	(859,935)	(1,321,823)	(1,870,177)	(2,518,659)

# Proposed Migration Scenarios



## **LEGEND**

■ 0.5 Migration Scenario

■ 1.0 Migration Scenario

# PWD Workgroup Recommendation Summary



Recommend utilizing the 0.5 migration scenario

- Calhoun
- DeWitt
- Dimmit
- Gonzales
- La Salle
- Refugio
- Zavala



Recommend utilizing the 0.5 migration scenario AND requesting higher population

- Uvalde



Recommend utilizing the 1.0 migration scenario

- Atascosa
- Frio
- Goliad
- Karnes
- Kendall
- Victoria
- Wilson



Recommend utilizing the 1.0 migration scenario AND requesting higher population

- Bexar
- Caldwell
- Comal
- Guadalupe
- Hays
- Medina



# Proposed WUG-Specific Revisions

P = Population Change  
G = GPCD Change

Revisions are recommended for the following WUGs (alphabetical order):

No.	WUG	P/G
1	Alamo Heights	P
2	Canyon Lake Water Service (TWC)	P
3	Castroville	P&G
4	Cibolo	P
5	County Line SUD	P&G
6	County-Other, Atascosa	P
7	County-Other, Bexar	P
8	County-Other, Caldwell	P
9	County-Other, Calhoun	P
10	County-Other, Comal	P
11	County-Other, Dewitt	P
12	County-Other, Gonzales	P
13	County-Other, Guadalupe	P
14	County-Other, Hays	P
15	County-Other, Kendall	P

No.	WUG	P/G
16	County-Other, Medina	P
17	County-Other, Uvalde	P
18	County-Other, Wilson	P
19	Creedmoor-Maha WSC	P
20	Crystal Clear SUD	P
21	East Central SUD	P
22	Elmendorf	P
23	Fair Oaks Ranch	P
24	Garden Ridge	P
25	Gonzales County WSC	P
26	Guadalupe-Blanco River Authority	P&G
27	Hondo	G
28	Kendall County WCID 1	P
29	Kyle	P
30	La Vernia	P

No.	WUG	P/G
31	Leon Valley	P&G
32	Lockhart	P
33	Martindale WSC	P
34	Maxwell SUD	P&G
35	Pleasanton	P
36	Port Lavaca	P
37	San Antonio Water System	P&G
38	San Marcos	P&G
39	Seguin	P
40	Springs Hill WSC	P&G
41	Texas State University	P&G
42	Uvalde	P
43	Windmill WSC	P
44	Yoakum	P

**See Handout for more details**

# Region L Requested Population Changes by County (1 of 2)

Decrease  
Increase  
No Change

COUNTY (MIGRATION SCENARIO)	PROPOSED POPULATION PROJECTIONS						DELTA					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Atascosa (1.0)	53,324	57,374	61,473	64,960	68,952	73,522	0	0	0	0	0	0
Bexar (1.0)	2,555,076	2,951,404	3,222,978	3,470,641	3,699,975	3,945,495	252,247	351,677	357,144	367,921	326,044	261,055
Caldwell (1.0)	67,191	83,988	100,497	116,808	134,861	151,345	13,442	22,299	31,364	40,517	50,375	57,477
Calhoun (0.5)	19,449	18,619	17,599	16,571	15,483	14,332	0	0	0	0	0	0
Comal (1.0)	261,662	353,419	450,609	584,380	756,273	953,073	34,953	37,779	16,367	0	0	0
DeWitt (0.5)	19,716	19,687	19,565	19,482	19,394	19,301	0	0	0	0	0	0
Dimmit (0.5)	8,175	7,818	7,383	6,983	6,560	6,112	0	0	0	0	0	0
Frio (1.0)	19,512	20,540	21,269	21,643	22,071	22,561	0	0	0	0	0	0
Goliad (1.0)	6,803	6,648	6,559	6,454	6,334	6,197	0	0	0	0	0	0
Gonzales (0.5)	19,716	19,697	19,399	19,064	18,710	18,335	0	0	0	0	0	0
<b>Region L Total</b>	<b>4,000,417</b>	<b>4,811,533</b>	<b>5,491,147</b>	<b>6,199,157</b>	<b>6,924,742</b>	<b>7,719,483</b>	<b>470,341</b>	<b>691,087</b>	<b>738,905</b>	<b>756,028</b>	<b>690,323</b>	<b>578,808</b>

# Region L Requested Population Changes by County (2 of 2)

Decrease  
Increase  
No Change

COUNTY (MIGRATION SCENARIO)	PROPOSED POPULATION PROJECTIONS						DELTA					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Guadalupe (1.0)	303,659	399,439	479,202	563,441	659,669	769,609	87,077	131,134	153,048	176,230	202,554	232,461
Hays (L) (1.0)	336,064	502,006	684,704	879,460	1,053,875	1,240,694	75,350	125,911	156,669	145,198	83,503	0
Karnes (1.0)	15,357	16,052	16,739	17,527	18,429	19,462	0	0	0	0	0	0
Kendall (1.0)	56,306	70,896	89,665	111,448	136,387	164,940	0	0	0	0	0	0
La Salle (0.5)	6,723	6,766	6,690	6,529	6,359	6,179	0	0	0	0	0	0
Medina (1.0)	60,936	79,204	83,631	87,079	90,594	92,654	6,400	21,432	23,483	25,360	27,076	27,076
Refugio (0.5)	6,489	6,243	5,992	5,799	5,595	5,379	0	0	0	0	0	0
Uvalde (0.5)	24,967	24,478	23,759	22,944	22,080	21,167	872	855	830	802	771	739
Victoria (1.0)	93,954	96,082	96,608	96,168	95,664	95,087	0	0	0	0	0	0
Wilson (1.0)	55,858	61,941	67,968	73,304	79,413	86,407	0	0	0	0	0	0
Zavala (0.5)	9,480	9,232	8,858	8,472	8,064	7,632	0	0	0	0	0	0
<b>Region L Total</b>	<b>4,000,417</b>	<b>4,811,533</b>	<b>5,491,147</b>	<b>6,199,157</b>	<b>6,924,742</b>	<b>7,719,483</b>	<b>470,341</b>	<b>691,087</b>	<b>738,905</b>	<b>756,028</b>	<b>690,323</b>	<b>578,808</b>

# Region L Requested Water Demands Changes by County (1 of 2)

Decrease  
Increase  
No Change

COUNTY	PROPOSED DEMAND PROJECTIONS (ac-ft/yr)						DELTA (ac-ft/yr)					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Atascosa	7,991	8,519	9,106	9,635	10,234	10,928	89	58	36	6	-26	-50
Bexar	314,693	346,393	367,484	384,048	397,753	417,527	-496	-5,755	-19,148	-33,319	-54,812	-75,354
Caldwell	8,272	10,100	11,948	13,766	15,798	17,675	1,574	2,476	3,417	4,348	5,364	6,081
Calhoun	2,628	2,494	2,350	2,205	2,050	1,885	322	301	277	252	225	195
Comal	44,886	60,676	78,838	104,128	134,706	169,705	4,194	4,212	1,186	-345	-474	-640
DeWitt	3,882	3,862	3,837	3,820	3,800	3,780	0	0	-2	-4	-8	-9
Dimmit	1,771	1,688	1,601	1,518	1,435	1,353	0	0	0	0	0	0
Frio	3,612	3,946	4,188	4,254	4,328	4,412	0	0	0	0	0	0
Goliad	919	897	886	874	860	844	0	0	0	0	0	0
Gonzales	4,516	4,498	4,431	4,355	4,273	4,189	195	196	192	189	184	182
<b>Region L Total</b>	<b>532,805</b>	<b>619,366</b>	<b>695,622</b>	<b>777,159</b>	<b>861,878</b>	<b>961,755</b>	<b>26,025</b>	<b>33,468</b>	<b>21,683</b>	<b>5,648</b>	<b>-21,410</b>	<b>-49,581</b>

# Region L Requested Water Demands Changes by County (1 of 2)

Decrease  
Increase  
No Change

COUNTY	PROPOSED DEMAND PROJECTIONS (ac-ft/yr)						DELTA (ac-ft/yr)					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Guadalupe	41,704	54,959	66,119	77,883	91,317	106,661	11,948	17,993	20,955	24,062	27,587	31,588
Hays (L)	38,489	56,003	74,767	95,705	114,788	136,052	6,564	10,450	11,006	6,527	-3,490	-15,543
Karnes	3,560	3,714	3,879	4,066	4,284	4,529	0	0	0	0	0	0
Kendall	9,413	12,276	15,683	19,582	24,022	29,098	120	351	326	243	124	-18
La Salle	1,517	1,509	1,505	1,499	1,503	1,521	0	0	0	0	0	0
Medina	8,727	10,661	11,102	11,471	11,836	12,069	1,098	2,703	2,873	3,044	3,183	3,169
Refugio	983	944	912	888	865	847	0	0	0	0	0	0
Uvalde	5,431	5,342	5,235	5,117	4,987	4,844	285	310	351	397	444	484
Victoria	19,521	19,832	19,920	19,830	19,728	19,608	0	0	0	0	0	0
Wilson	8,292	9,112	9,969	10,735	11,616	12,623	132	173	214	248	289	334
Zavala	1,998	1,941	1,862	1,780	1,695	1,605	0	0	0	0	0	0
<b>Region L Total</b>	<b>532,805</b>	<b>619,366</b>	<b>695,622</b>	<b>777,159</b>	<b>861,878</b>	<b>961,755</b>	<b>26,025</b>	<b>33,468</b>	<b>21,683</b>	<b>5,648</b>	<b>-21,410</b>	<b>-49,581</b>

# Next Steps



RWPG to approve requested revisions (action proposed in next Agenda Item)



Consultant prepares memorandum with justifications (supporting docs and/or Census undercount)



Consultant submits memorandum to TWDB by August 11

**AGENDA ITEM NO.9 – DISCUSSION AND APPROPRIATE ACTION REGARDING  
RECOMMENDATION FOR FEEDBACK TO TWDB ON POPULATION AND  
MUNICIPAL WATER DEMANDS DATA**

Agenda Item 9:  
Discussion and Appropriate Action  
Regarding Recommendation for  
Feedback to TWDB on Municipal Water  
Demands Data



# Recommendation

## Consider Action to:



Accept recommendations from the Population and Water Demands Workgroup regarding feedback to the Texas Water Development Board on population and water demands projections revisions; and

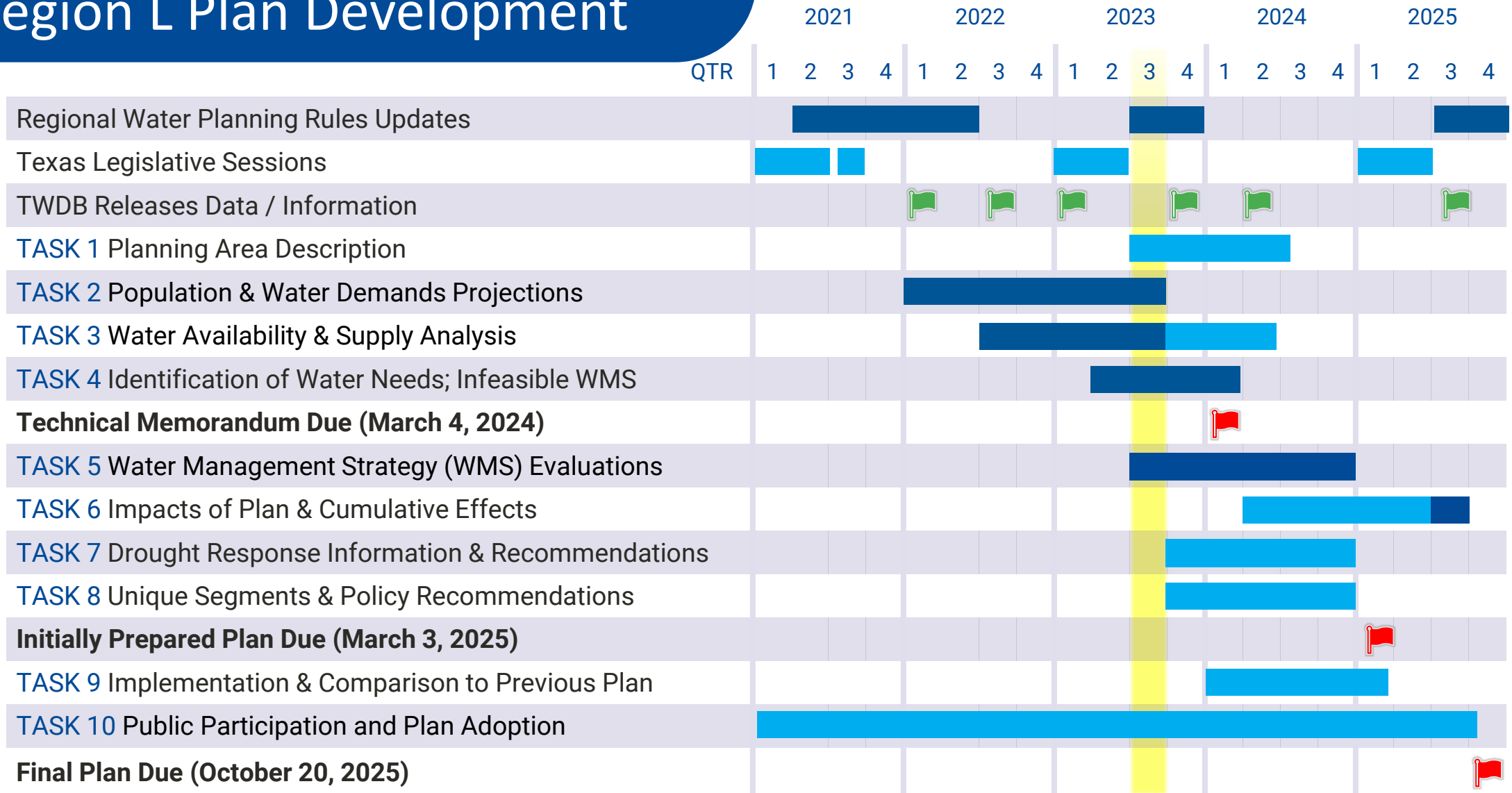


Authorize the technical consultant to continue working with the TWDB regarding population and water demands revisions, on behalf of the Regional Water Planning Group.

**AGENDA ITEM NO.10 – DISCUSSION AND APPROPRIATE ACTION REGARDING THE  
ESTABLISHMENT OF ADDITIONAL SUBCOMMITTEES**

# Agenda Item 10: Discussion and Appropriate Action Regarding the Establishment of Additional Subcommittees

# Conceptual Schedule for Region L Plan Development



# Region L has historically established workgroups to:

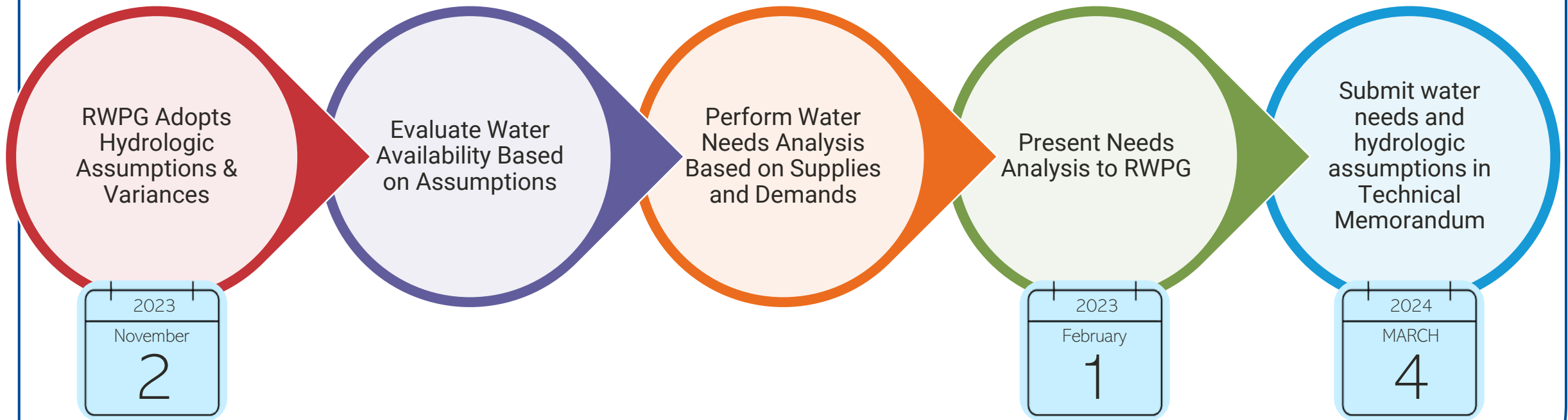
- Continue and enhance stakeholder engagement
- Tackle complex technical subjects
- Evaluate topics of significance to the South Central Texas Regional Water Planning Group (SCTRWPG)



# Relevant Past Workgroups for 2021 Plan Development

Workgroup Name	Mo/Yr Started in 2021 Cycle	Responsibilities
Modeling and Reuse	May 2017	Task 3: Consider Hydrologic variance(s), role of reuse within Regional Water Plan
Minimum Standards	Apr. 2017	Task 5: Establish minimum standards for WMS and management supply
Environmental Assessment	Apr. 2017	Tasks 5 & 6: Review, update env. assessment methodology for WMSs and impacts to instream effects and freshwater inflows
Policy Recommendations	Jul. 2019	Task 8: Develop Chapter 8 Policy Recommendations Language

# Modeling and Reuse Workgroup



# Modeling and Reuse Workgroup

- Plan to use same approach, water availability models (WAMs) and assumptions as last cycle
- Anticipate presenting hydrologic assumptions and variances to RWPG at November 2<sup>nd</sup> meeting for RWPG adoption
- While not anticipated, a workgroup may need to be established in case technical review from the RWPG becomes necessary.

While not anticipated, we recommend that the RWPG establish a Modeling and Reuse Workgroup in case technical review from the RWPG becomes necessary.



**AGENDA ITEM NO.11 – DISCUSSION AND APPROPRIATE ACTION REGARDING AMENDMENT  
TO TASK BUDGET**

**Agenda Item 11:**  
Discussion and Appropriate Action  
Regarding Task Budget Amendment to  
Increase Task 2B Funds

# Budget Amendment Request

- Required effort to address WUG Population and Municipal Demand Revisions has exceeded the Task 2B budget to the point that an amendment is needed.
- Requesting to move budget from Task 7 (Drought Response) to Task 2B (Population and Municipal Water Demand Projections)

CAS Item No.	SOW Task No.	Task Description	BUDGET	REVISED BUDGET	AMOUNT CHANGED
3	2B	Population and Municipal Water Demand Projections	\$41,025.00	\$64,025.00	\$23,000.00
14	7	Drought Response Information, Activities, and Recommendations	\$65,015.00	\$42,015.00	(\$23,000.00)

# Discussion

# Supplemental Information

# Draft Population Projections

- 2026 draft projections are derived from the 2020 U.S. Census
- Texas Demographic Center (TDC) developed county-level projections using migration rates between the 2010 and 2020 Census to project future growth.
- For the 2026 Regional Water Plans (RWPs), draft county population projections followed the trends, without adjustment, as projected by the TDC, including population declines.

# Draft GPCD and Water Demand Projections

- Baseline gallons per capita daily (GPCD) were drafted for WUGs by carrying over the GPCD from the 2021 Regional Water Plans, minus estimated accumulated plumbing code (PC) Savings
- Municipal demand projections were calculated by subtracting the projected PC Savings from the baseline GPCD for each decade and multiplying by the population

**August 3rd Meeting, Handout A.1**  
**South Central (Region L) Texas Regional Water Planning Group**  
**Task 4B: Potentially Infeasible Water Management Strategy Projects**

**Tab 1: Recommended WMS projects associated with an online decade of 2020**

WMS Project Name	OnlineDecade	Project Sponsors	Project Related WMS Types	Project Related Source Subtypes
ARWA/GBRA Shared Facilities Project	2020	Guadalupe-Blanco River Authority; Alliance Regional Water Authority	Groundwater wells and other	Groundwater
Boerne Non-Potable Reuse Project	2020	Boerne	Other direct reuse	Direct Non-Potable Reuse
CRWA Wells Ranch (Phase 3)	2020	Canyon Regional Water Authority	Groundwater wells and other	Groundwater
El Oso Region L Groundwater Development	2020	El Oso WSC	Groundwater wells and other	Groundwater
FE - Atascosa Rural WSC Interconnect	2020	Atascosa Rural WSC	Groundwater wells and other	Groundwater
FE - CRWA Expanded Lake Dunlap WTP	2020	Canyon Regional Water Authority	Other surface water	Reservoir
FE - CRWA Hays Caldwell WTP Expansion	2020	Canyon Regional Water Authority	Other direct reuse;Other surface water	Direct Non-Potable Reuse;Run-of-River
FE - NBU Seguin Interconnect	2020	New Braunfels	Groundwater wells and other	Groundwater
FE - SAWS Western Integrated Pipeline (Phase 2)	2020	San Antonio Water System	Groundwater wells and other;Other surface water	Groundwater;Reservoir;Run-of-River
FE - Springs Hill Lake Placid WTP Expansion	2020	Springs Hill WSC	Other surface water	Reservoir
GBRA Lower Basin Storage	2020	Guadalupe-Blanco River Authority	New major reservoir	Reservoir
Karnes City - Local Groundwater Development	2020	Karnes City	Groundwater wells and other	Groundwater
Local Carrizo Aquifer - Pearsall	2020	Pearsall	Groundwater wells and other	Groundwater
Local Groundwater - Atascosa Rural WSC	2020	Atascosa Rural WSC	Groundwater wells and other	Groundwater
Local Groundwater - KT Water Development	2020	KT Water Development	Groundwater wells and other	Groundwater
Local Groundwater - Mining, Comal	2020	Mining (Comal)	Groundwater wells and other	Groundwater
Local Groundwater - Mining, Uvalde	2020	Mining (Uvalde)	Groundwater wells and other	Groundwater
Local Groundwater - Wingert Water Systems	2020	Wingert Water Systems	Groundwater wells and other	Groundwater
Local Gulf Coast Aquifer - DeWitt Mining	2020	Mining (DeWitt)	Groundwater wells and other	Groundwater
New Braunfels Utilities ASR	2020	New Braunfels	Aquifer storage and recovery	Aquifer Storage and Recovery
Reuse - County Line SUD	2020	County Line SUD	Other direct reuse	Direct Non-Potable Reuse
San Marcos - Non-Potable Reuse	2020	San Marcos	Other direct reuse	Direct Non-Potable Reuse
SAWS Advanced Meter Infrastructure	2020	San Antonio Water System	Municipal conservation	
SSLGC Expanded Carrizo Project	2020	Schertz-Seguin Local Government Corporation	Groundwater wells and other	Groundwater
Victoria - ASR	2020	Victoria	Aquifer storage and recovery	Aquifer Storage and Recovery

**Tab 2: Select Recommended WMS projects associated with an online decade of later than 2020. See workbook data description tab for details about selected projects.**

WMS Project Name	OnlineDecade	Project Sponsors	Project Related WMS Types	Project Related Source Subtypes
CRWA - Brackish Wilcox Groundwater	2030	Canyon Regional Water Authority	Groundwater desalination; Groundwater wells and other	Groundwater
GBRA MBWSP	2030	Guadalupe-Blanco River Authority	Aquifer storage and recovery	Aquifer Storage and Recovery
GBRA New Appropriation (Lower Basin)	2030	Guadalupe-Blanco River Authority	New major reservoir	Reservoir
SAWS - Expanded Brackish Wilcox Project	2040	San Antonio Water System	Groundwater desalination; Groundwater wells and other	Groundwater



**August 3rd Meeting, Handout A.2**  
**South Central (Region L) Texas Regional Water Planning Group**  
**Task 4B: Potentially Infeasible Water Management Strategies**

**Tab 1: Recommended demand reduction WMS strategy supply with an online decade of 2020**

<b>WMS Type</b>	<b>WMS Name</b>	<b>WUG Beneficiary</b>	<b>Is Strategy Supply Related to a WMS Project?</b>
Drought management	Drought Management - Clear Water Estates Water System	Clear Water Estates Water System	N
Drought management	Drought Management - El Oso WSC	El Oso WSC	N
Drought management	Drought Management - Air Force Village II	Air Force Village II Inc	N
Drought management	Drought Management - Alamo Heights	Alamo Heights	N
Drought management	Drought Management - Atascosa Rural WSC	Atascosa Rural WSC	N
Drought management	Drought Management - Bexar County WCID 10	Bexar County WCID 10	N
Drought management	Drought Management - Castroville	Castroville	N
Drought management	Drought Management - Converse	Converse	N
Drought management	Drought Management - Crystal Clear WSC	Crystal Clear WSC	N
Drought management	Drought Management - East Medina County SUD	East Medina County SUD	N
Drought management	Drought Management - Fort Sam Houston	Fort Sam Houston	N
Drought management	Drought Management - Garden Ridge	Garden Ridge	N
Drought management	Drought Management - Hondo	Hondo	N
Drought management	Drought Management - Karnes City	Karnes City	N
Drought management	Drought Management - Kirby	Kirby	N
Drought management	Drought Management - KT Water Development	KT Water Development	N
Drought management	Drought Management - La Coste	La Coste	N
Drought management	Drought Management - Lackland Air Force Base	Lackland Air Force Base	N
Drought management	Drought Management - Leon Valley	Leon Valley	N
Drought management	Drought Management - Live Oak	Live Oak	N
Drought management	Drought Management - Lytle	Lytle	N
Drought management	Drought Management - Martindale	Martindale WSC	N
Drought management	Drought Management - Natalia	Natalia	N
Drought management	Drought Management - Oak Hills WSC	Oak Hills WSC	N
Drought management	Drought Management - Pearsall	Pearsall	N
Drought management	Drought Management - S S WSC	S S WSC	N
Drought management	Drought Management - Sabinal	Sabinal	N
Drought management	Drought Management - SAWS	San Antonio Water System	N
Drought management	Drought Management - Seguin	Seguin	N
Drought management	Drought Management - Shavano Park	Shavano Park	N
Drought management	Drought Management - The Oaks WSC	The Oaks WSC	N
Drought management	Drought Management - Universal City	Universal City	N
Drought management	Drought Management - Uvalde	Uvalde	N
Drought management	Drought Management - Victoria	Victoria	N
Drought management	Drought Management - West Medina WSC	West Medina WSC	N
Drought management	Drought Management - Wingert Water Systems	Wingert Water Systems	N
Drought management	Drought Management - Yancey WSC	Yancey WSC	N
Drought management	Drought Management - Elmendorf	Elmendorf	N
Drought management	Drought Management - Goforth SUD	Goforth SUD	N
Municipal conservation	Municipal Water Conservation	Air Force Village II Inc	N

**August 3rd Meeting, Handout A.2**  
**South Central (Region L) Texas Regional Water Planning Group**  
**Task 4B: Potentially Infeasible Water Management Strategies**

<b>WMS Type</b>	<b>WMS Name</b>	<b>WUG Beneficiary</b>	<b>Is Strategy Supply Related to a WMS Project?</b>
Municipal conservation	Municipal Water Conservation	Alamo Heights	N
Municipal conservation	Municipal Water Conservation	Aqua WSC	N
Municipal conservation	Municipal Water Conservation	Asherton	N
Municipal conservation	Municipal Water Conservation	Batesville WSC	N
Municipal conservation	Municipal Water Conservation	Bexar County WCID 10	N
Municipal conservation	Municipal Water Conservation	Big Wells	N
Municipal conservation	Municipal Water Conservation	Boerne	N
Municipal conservation	Municipal Water Conservation	Buda	N
Municipal conservation	Municipal Water Conservation	Carrizo Hill WSC	N
Municipal conservation	Municipal Water Conservation	Carrizo Springs	N
Municipal conservation	Municipal Water Conservation	Castroville	N
Municipal conservation	Municipal Water Conservation	Charlotte	N
Municipal conservation	Municipal Water Conservation	Clear Water Estates Water System	N
Municipal conservation	Municipal Water Conservation	Cotulla	N
Municipal conservation	Municipal Water Conservation	County-Other, Comal	N
Municipal conservation	Municipal Water Conservation	County-Other, Zavala	N
Municipal conservation	Municipal Water Conservation	Crystal City	N
Municipal conservation	Municipal Water Conservation	Cuero	N
Municipal conservation	Municipal Water Conservation	Dilley	N
Municipal conservation	Municipal Water Conservation	El Oso WSC	N
Municipal conservation	Municipal Water Conservation	Encinal WSC	N
Municipal conservation	Municipal Water Conservation	Fair Oaks Ranch	N
Municipal conservation	Municipal Water Conservation	Falls City	N
Municipal conservation	Municipal Water Conservation	Floresville	N
Municipal conservation	Municipal Water Conservation	Fort Sam Houston	N
Municipal conservation	Municipal Water Conservation	Garden Ridge	N
Municipal conservation	Municipal Water Conservation	Goliad	N
Municipal conservation	Municipal Water Conservation	Gonzales	N
Municipal conservation	Municipal Water Conservation	Gonzales County WSC	N
Municipal conservation	Municipal Water Conservation	Hondo	N
Municipal conservation	Municipal Water Conservation	Jourdanton	N
Municipal conservation	Municipal Water Conservation	Karnes City	N
Municipal conservation	Municipal Water Conservation	Kenedy	N
Municipal conservation	Municipal Water Conservation	Knippa WSC	N
Municipal conservation	Municipal Water Conservation	KT Water Development	N
Municipal conservation	Municipal Water Conservation	La Vernia	N
Municipal conservation	Municipal Water Conservation	Leon Valley	N
Municipal conservation	Municipal Water Conservation	Live Oak	N
Municipal conservation	Municipal Water Conservation	Loma Alta Chula Vista Water System	N
Municipal conservation	Municipal Water Conservation	Lytle	N
Municipal conservation	Municipal Water Conservation	Medina County WCID 2	N

**August 3rd Meeting, Handout A.2**  
**South Central (Region L) Texas Regional Water Planning Group**  
**Task 4B: Potentially Infeasible Water Management Strategies**

<b>WMS Type</b>	<b>WMS Name</b>	<b>WUG Beneficiary</b>	<b>Is Strategy Supply Related to a WMS Project?</b>
Municipal conservation	Municipal Water Conservation	Moore WSC	N
Municipal conservation	Municipal Water Conservation	Natalia	N
Municipal conservation	Municipal Water Conservation	New Braunfels	N
Municipal conservation	Municipal Water Conservation	Nixon	N
Municipal conservation	Municipal Water Conservation	Oak Hills WSC	N
Municipal conservation	Municipal Water Conservation	Pearsall	N
Municipal conservation	Municipal Water Conservation	Pleasanton	N
Municipal conservation	Municipal Water Conservation	Poth	N
Municipal conservation	Municipal Water Conservation	Refugio	N
Municipal conservation	Municipal Water Conservation	Runge	N
Municipal conservation	Municipal Water Conservation	Sabinal	N
Municipal conservation	Municipal Water Conservation	San Antonio Water System	N
Municipal conservation	Municipal Water Conservation	Schertz	N
Municipal conservation	Municipal Water Conservation	Seadrift	N
Municipal conservation	Municipal Water Conservation	Selma	N
Municipal conservation	Municipal Water Conservation	Shavano Park	N
Municipal conservation	Municipal Water Conservation	Smiley	N
Municipal conservation	Municipal Water Conservation	South Buda WCID 1	N
Municipal conservation	Municipal Water Conservation	Stockdale	N
Municipal conservation	Municipal Water Conservation	Sunko WSC	N
Municipal conservation	Municipal Water Conservation	Texas State University	N
Municipal conservation	Municipal Water Conservation	The Oaks WSC	N
Municipal conservation	Municipal Water Conservation	Uvalde	N
Municipal conservation	Municipal Water Conservation	Victoria	N
Municipal conservation	Municipal Water Conservation	Waelder	N
Municipal conservation	Municipal Water Conservation	Water Services	N
Municipal conservation	Municipal Water Conservation	West Medina WSC	N
Municipal conservation	Municipal Water Conservation	Windmill WSC	N
Municipal conservation	Municipal Water Conservation	Wingert Water Systems	N
Municipal conservation	Municipal Water Conservation	Woodsboro	N
Municipal conservation	Municipal Water Conservation	Yoakum	N
Municipal conservation	Municipal Water Conservation	Yorktown	N
Municipal conservation	Municipal Water Conservation	Zavala County WCID 1	N
Municipal conservation	SAWS Advanced Meter Infrastructure	San Antonio Water System	Y

**August 3rd Meeting, Handout A.2**  
**South Central (Region L) Texas Regional Water Planning Group**  
**Task 4B: Potentially Infeasible Water Management Strategies**

**Tab 2: Recommended source related WMS strategy supply with an online decade of 2020**

<b>WMS Type</b>	<b>WMS Name</b>	<b>WMS Sponsor and/or select WUG Beneficiary List</b>	<b>Is Strategy Supply Related to a WMS Project?</b>
Aquifer storage and recovery	NBU - ASR	New Braunfels	Y
Aquifer storage and recovery	Victoria - ASR	Victoria	Y
Groundwater wells and other	ARWA Shared Project (Phase 1)	Alliance Regional Water Authority	Y
Groundwater wells and other	CRWA - Wells Ranch (Phase 3)	Canyon Regional Water Authority - Unassigned Water Volumes	Y
Groundwater wells and other	CRWA - Wells Ranch (Phase 3)	Canyon Regional Water Authority	Y
Groundwater wells and other	Edwards Transfers	Alamo Heights; Leon Valley; Shavano Park; Universal City	N
Groundwater wells and other	Edwards Transfers	Alamo Heights; Castroville; East Medina County SUD; Hondo; La Coste; Leon Valley; Lytle; Natalia; Shavano Park; West Medina WSC; Yancey WSC	N
Groundwater wells and other	Edwards Transfers	Sabinal; Uvalde	N
Groundwater wells and other	Entity Purchase to Meet Shortages - SAWS	San Antonio Water System	N
Groundwater wells and other	FE - Atascosa Rural WSC	Atascosa Rural WSC	Y
Groundwater wells and other	FE - NBU Seguin Interconnect	New Braunfels	Y
Groundwater wells and other	FE - SAWS Western Integration Pipeline	San Antonio Water System	Y
Groundwater wells and other	GBRA Shared Project (Phase 1)	Guadalupe-Blanco River Authority	Y
Groundwater wells and other	GBRA Shared Project (Phase 1)	Guadalupe-Blanco River Authority	Y
Groundwater wells and other	Local Carrizo Aquifer Development	Atascosa Rural WSC	Y
Groundwater wells and other	Local Carrizo Aquifer Development	Pearsall	Y
Groundwater wells and other	Local Carrizo Aquifer Development	Oak Hills WSC	N
Groundwater wells and other	Local Carrizo Aquifer With Conversion	Karnes City	N
Groundwater wells and other	Local Gulf Coast Aquifer Development	El Oso WSC	Y
Groundwater wells and other	Local Gulf Coast Aquifer Development	Mining, DeWitt	Y
Groundwater wells and other	Local Leona Gravel Aquifer with Conversion	Mining, Uvalde	Y
Groundwater wells and other	Local Trinity Aquifer Development	Mining, Comal; Wingert Water Systems	Y
Groundwater wells and other	Local Trinity Aquifer Development	Clear Water Estates Water System; Garden Ridge	N
Groundwater wells and other	Local Trinity Aquifer Development	KT Water Development	Y
Groundwater wells and other	Local Yegua Jackson Aquifer with Conversion	Karnes City	N
Groundwater wells and other	SSLGC Expanded Carrizo Project	Schertz-Seguin Local Government Corporation	Y
Groundwater wells and other	Victoria - Groundwater-Surface Water Exchange	Victoria	N
New major reservoir	GBRA Lower Basin Storage Project	Guadalupe-Blanco River Authority	Y
Other direct reuse	FE - CRWA Hays Caldwell WTP Expansion	Canyon Regional Water Authority	Y
Other direct reuse	Reuse - Boerne Non-Potable Reuse	Boerne	Y
Other direct reuse	Reuse - County Line SUD	County Line SUD	Y
Other direct reuse	Reuse - Kendall County WCID Non-Potable	Kendall County WCID 1	N
Other direct reuse	Reuse - San Marcos (Non-Potable)	San Marcos	Y
Other surface water	FE - CRWA Hays Caldwell WTP Expansion	Canyon Regional Water Authority	Y
Other surface water	FE - CRWA Lake Dunlap WTP Expansion	Canyon Regional Water Authority - Unassigned Water Volumes	Y
Other surface water	FE - SAWS Western Integration Pipeline	San Antonio Water System	Y
Other surface water	FE - SAWS Western Integration Pipeline	San Antonio Water System	Y
Other surface water	FE - SHWSC Lake Placid WTP Expansion	Springs Hill WSC	Y

August 3rd Meeting, Handout A.2  
 South Central (Region L) Texas Regional Water Planning Group  
 Task 4B: Potentially Infeasible Water Management Strategies

**Tab 3: Recommended new major reservoir and seawater desalination related WMS strategy supply online in any decade**

WMS Type	WMS Name	WMS Sponsor and/or select WUG Beneficiary List	Is Strategy Supply Related to a WMS Project?	Online Decade
New major reservoir	GBRA Lower Basin New Appropriation	Guadalupe-Blanco River Authority	Y	2030

**Tab 4: Recommended select WMS strategy supply with an online decade of 2030 or 2040**

WMS Type	WMS Name	WMS Sponsor and/or select WUG Beneficiary List	Is Strategy Supply Related to a WMS Project?	Online Decade
Aquifer storage and recovery	FE - SAWS ASR Treatment Plant Expansion	San Antonio Water System	Y	2030
Aquifer storage and recovery	GBRA - MBWSP - Surface Water w/ASR	Guadalupe-Blanco River Authority	Y	2030
Groundwater desalination	SAWS - Expanded Brackish Wilcox Project	San Antonio Water System	Y	2040







**August 3rd Meeting, Handout B**  
**South Central (Region L) Texas Regional Water Planning Group**  
**Task 2: Population and Water Demands Projections**

**DRAFT WUG PROJECTIONS FROM TEXAS WATER DEVELOPMENT BOARD**

DRAFT TWDB Projections																								
WUG Info					Population						Baseline GPCD	Gallons Per Capita Daily (GPCD)						Projected Demand by Decade (ac-ft/yr) = (Population projection * (Baseline GPCD - PC Savings projection) * 365)/325851						
Split Region	County	EntityId	EntityName	Migration Scenario Used	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	GPCD 2030	GPCD 2040	GPCD 2050	GPCD 2060	GPCD 2070	GPCD 2080	2030 Demand	2040 Demand	2050 Demand	2060 Demand	2070 Demand	2080 Demand	
L	GUADALUPE	1804	Martindale WSC	1.0	351	477	618	767	938	1,134	96	91.62	91.19	91.19	91.19	91.19	91.19	36	49	63	78	96	116	
L	CALDWELL	1812	Maxwell SUD	1.0	4,289	4,949	5,568	6,160	6,839	7,617	92	87.71	87.36	87.36	87.36	87.36	87.36	421	484	545	603	669	745	
L	HAYS	1812	Maxwell SUD	1.0	4,861	7,420	10,790	15,358	20,587	26,574	92	87.71	87.36	87.36	87.36	87.36	87.36	478	726	1,056	1,503	2,015	2,600	
L	ATASCOSA	1815	McCoy WSC	1.0	7,741	8,082	8,470	8,913	9,417	9,989	111	106.39	105.74	105.74	105.74	105.74	105.74	923	957	1,003	1,056	1,115	1,183	
L	WILSON	1815	McCoy WSC	1.0	406	451	496	537	583	635	111	106.39	105.74	105.74	105.74	105.74	105.74	48	53	59	64	69	75	
L	MEDINA	6417	Medina County WCID 2	1.0	446	431	421	425	428	431	177	172.5	171.9	171.9	171.9	171.9	171.9	86	83	81	82	82	83	
L	MEDINA	6418	Medina River West WSC	1.0	1,131	1,204	1,257	1,291	1,330	1,374	91	87.34	86.7	86.7	86.7	86.7	86.7	111	117	122	125	129	133	
L	FRIO	6439	Moore WSC	1.0	588	686	754	763	774	787	174	169.65	169.15	169.15	169.15	169.15	169.15	112	130	143	145	147	149	
L	MEDINA	2102	Natalia	1.0	1,134	1,101	1,155	1,187	1,192	1,162	154	149.5	149	149	149	149	149	190	184	193	198	199	194	
L	COMAL	2109	New Braunfels	1.0	103,841	147,327	205,331	278,735	362,773	458,988	183	178.8	178.36	178.36	178.36	178.36	178.36	20,797	29,434	41,023	55,688	72,478	91,701	
L	GUADALUPE	2109	New Braunfels	1.0	36,517	52,564	70,539	89,478	111,139	135,926	183	178.8	178.36	178.36	178.36	178.36	178.36	7,314	10,502	14,093	17,877	22,204	27,157	
L	GONZALES	2123	Nixon	0.5	2,249	2,247	2,211	2,171	2,129	2,084	140	135.62	135.09	135.09	135.09	135.09	135.09	342	340	335	329	322	315	
L	BEXAR	2146	Oak Hills WSC	1.0	40	55	76	105	145	200	150	145.62	145.08	145.08	145.08	145.08	145.08	7	9	12	17	24	33	
L	WILSON	2146	Oak Hills WSC	1.0	5,987	6,907	7,968	9,192	10,604	12,233	150	145.62	145.08	145.08	145.08	145.08	145.08	977	1,122	1,295	1,494	1,723	1,988	
L	FRIO	2185	Pearsall	1.0	8,550	9,781	10,640	10,787	10,952	11,139	178	173.3	172.74	172.74	172.74	172.74	172.74	1,660	1,893	2,059	2,087	2,119	2,155	
L	WILSON	6482	Picosa WSC	1.0	3,591	4,142	4,683	5,161	5,710	6,338	86	81.95	81.52	81.52	81.52	81.52	81.52	330	378	428	471	521	579	
L	ATASCOSA	2211	Pleasanton	1.0	10,473	11,498	12,623	13,858	15,214	16,703	196	191.27	190.76	190.76	190.76	190.76	190.76	2,244	2,457	2,697	2,961	3,251	3,569	
L	CALHOUN	2217	Point Comfort	0.5	556	531	501	472	439	406	94	88.93	88.13	88.13	88.13	88.13	88.13	55	52	49	47	43	40	
L	CALDWELL	2218	Polonia WSC	1.0	8,545	10,119	11,982	14,188	16,801	19,895	112	108.15	107.65	107.65	107.65	107.65	107.65	1,035	1,220	1,445	1,711	2,026	2,399	
L	CALHOUN	2222	Port Lavaca	0.5	10,890	10,432	9,868	9,298	8,702	8,069	126	121.35	120.77	120.77	120.77	120.77	120.77	1,480	1,411	1,335	1,258	1,177	1,092	
L	CALHOUN	2224	Port Oconnor Improvement District	0.5	839	804	758	713	664	612	70	64.99	64.1	64.1	64.1	64.1	64.1	61	58	54	51	48	44	
L	ATASCOSA	2228	Poteet	1.0	2,734	2,447	2,244	2,297	2,351	2,403	111	106.51	105.99	105.99	105.99	105.99	105.99	326	291	266	273	279	285	
L	WILSON	2229	Poth	1.0	1,550	1,525	1,506	1,491	1,472	1,450	144	139.06	138.49	138.49	138.49	138.49	138.49	241	237	234	231	228	225	
L	VICTORIA	6499	Quail Creek MUD	1.0	1,319	1,365	1,378	1,371	1,363	1,354	105	100.18	99.44	99.44	99.44	99.44	99.44	148	152	153	153	152	151	
L	BEXAR	2776	Randolph Air Force Base	1.0	1,280	1,280	1,280	1,280	1,280	1,280	60	60	60	60	60	60	60	86	86	86	86	86	86	
L	REFUGIO	2258	Refugio	0.5	2,549	2,521	2,506	2,524	2,594	2,749	171	166.17	165.55	165.55	165.55	165.55	165.55	474	467	465	468	481	510	
L	KARNES	2307	Runge	1.0	876	925	974	1,030	1,094	1,167	183	178.2	177.77	177.77	177.77	177.77	177.77	175	184	194	205	218	232	
L	WILSON	2985	S S WSC	1.0	20,066	23,148	26,175	28,850	31,963	35,649	109	104.84	104.37	104.37	104.37	104.37	104.37	2,356	2,706	3,060	3,373	3,737	4,168	
L	UVALDE	2310	Sabinal	0.5	1,292	1,262	1,220	1,170	1,116	1,056	215	210.22	209.64	209.64	209.64	209.64	209.64	304	296	286	275	262	248	
L	ATASCOSA	3037	San Antonio Water System	1.0	6,129	6,662	7,067	7,635	8,152	8,732	119	114.39	113.8	113.8	113.8	113.8	113.8	785	849	901	973	1,039	1,113	
L	BEXAR	3037	San Antonio Water System	1.0	2,113,183	2,387,020	2,632,459	2,850,837	3,100,869	3,387,143	119	114.39	113.8	113.8	113.8	113.8	113.8	270,769	304,279	335,566	363,403	395,275	431,767	
L	COMAL	3037	San Antonio Water System	1.0	2,394	2,651	2,898	3,124	3,332	3,332	119	114.39	113.8	113.8	113.8	113.8	113.8	307	338	369	398	425	425	
L	MEDINA	3037	San Antonio Water System	1.0	1,383	1,531	1,674	1,805	1,925	1,925	119	114.39	113.8	113.8	113.8	113.8	113.8	177	195	213	230	245	245	
L	CALDWELL	2324	San Marcos	1.0	917	917	917	917	917	917	138	133.34	132.88	132.88	132.88	132.88	132.88	137	136	136	136	136	136	
L	HAYS	2324	San Marcos	1.0	94,984	137,425	193,313	269,164	356,004	455,427	138	133.34	132.88	132.88	132.88	132.88	132.88	14,187	20,455	28,774	40,064	52,989	67,788	
L	BEXAR	2336	Schertz	1.0	9,641	13,665	17,272	20,265	23,714	27,687	145	140.52	139.94	139.94	139.94	139.94	139.94	1,518	2,142	2,707	3,177	3,717	4,340	
L	COMAL	2336	Schertz	1.0	1,371	1,912	2,634	3,549	4,595	5,793	145	140.52	139.94	139.94	139.94	139.94	139.94	216	300	413	556	720	908	
L	GUADALUPE	2336	Schertz	1.0	40,008	46,563	53,883	61,623	70,494	80,655	145	140.52	139.94	139.94	139.94	139.94	139.94	6,297	7,299	8,446	9,660	11,050	12,643	
L	CALHOUN	2339	Seadrift	0.5	905	865	816	767	714	659	150	145.19	144.63	144.63	144.63	144.63	144.63	147	140	132	124	116	107	
L	GUADALUPE	129	Seguin	1.0	24,314	25,867	27,588	29,424	31,537	33,965	139	134.4	133.82	133.82	133.82	133.82	133.82	3,660	3,877	4,135	4,411	4,727	5,091	
L	BEXAR	2343	Selma	1.0	10,477	13,541	16,288	18,599	21,258	24,318	148	143.78	143.17	143.17	143.17	143.17	143.17	1,687	2,172	2,612	2,983	3,409	3,900	
L	COMAL	2343	Selma	1.0	633	1,098	1,718	2,502	3,399	4,426	148	143.78	143.17	143.17	143.17	143.17	143.17	102	176	276	401	545	710	
L	GUADALUPE	2343	Selma	1.0	5,251	5,251	5,251	5,251	5,251	5,251	148	143.78	143.17	143.17	143.17	143.17	143.17	846	842	842	842	842	842	
L	BEXAR	2352	Shavano Park	1.0	1,804	2,041	2,252	2,441	2,656	2,903	283	278.11	277.67	277.67	277.67	277.67	277.67	562	635	700	759	826	903	
L	GONZALES	3137	Smiley	0.5	474	474	467	458	449	439	181	176.25	175.68	175.68	175.68	175.68	175.68	94	93	92	90	88	86	
L	HAYS	6531	South Buda WCID 1	1.0	4,066	6,633	10,014	14,592	19,832	25,829	142	137.55	137.17	137.17	137.17	137.17	137.17	626	1,019	1,539	2,242	3,047	3,969	
L	GUADALUPE	134	Springs Hill WSC	1.0	28,758	34,551	41,025	47,864	55,697	64,667	79	74.63	74.15	74.15	74.15	74.15	74.15	2,404	2,870	3,407	3,976	4,626	5,371	
L	WILSON	134	Springs Hill WSC	1.0	244	354	461	556	664	789	79	74.63	74.15	74.15	74.15	74.15	74.15	20	29	38	46	55	66	
L	WILSON	2489	Stockdale	1.0	1,458	1,471	1,488	1,504	1,521	1,540	189	184.44	183.89	183.89	183.89	183.89	183.89	301	303	307	310	313	317	
L	KARNES	2497	Sunko WSC	1.0	150	158	167	177	187	199	146	141.59	141.11	141.11	141.11	141.11	141.11	24	25	26	28	30	31	
L	WILSON	2497	Sunko WSC	1.0	3,995	4,434	4,868	5,252	5,692	6,196	146	141.59	141.11	141.11	141.11	141.11	141.11	634	701	769	830	900	979	
L	HAYS	6565	Texas State University	1.0	5,320	5,320	5,320	5,320	5,320	5,320	171	167.32	166.78	166.78	166.78	166.78	166.78	997	994	994	994	994	994	
L	BEXAR	3040	The Oaks WSC	1.0	1,277	1,445</																		



DRAFT WUG PROJECTIONS FROM TEXAS WATER DEVELOPMENT BOARD

DRAFT TWDB Projections																							
WUG Info					Population						Baseline GPCD	Gallons Per Capita Daily (GPCD)						Projected Demand by Decade (ac-ft/yr) = (Population projection * (Baseline GPCD - PC Savings projection) * 365)/325851					
Split Region	County	EntityId	EntityName	Migration Scenario Used	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	GPCD 2030	GPCD 2040	GPCD 2050	GPCD 2060	GPCD 2070	GPCD 2080	2030 Demand	2040 Demand	2050 Demand	2060 Demand	2070 Demand	2080 Demand
L	GUADALUPE	2556	Universal City	1.0	198	252	312	376	449	532	135	130.14	129.48	129.48	129.48	129.48	129.48	29	37	45	55	65	77
L	UVALDE	2558	Uvalde	0.5	16,105	15,814	15,379	14,889	14,384	13,875	211	206.42	205.83	205.83	205.83	205.83	205.83	3,724	3,646	3,546	3,433	3,316	3,199
L	VICTORIA	2568	Victoria	1.0	66,295	67,314	67,537	67,234	66,888	66,491	226	221.17	220.55	220.55	220.55	220.55	220.55	16,424	16,630	16,685	16,610	16,525	16,426
L	VICTORIA	6582	Victoria County WCID 1	1.0	1,709	1,753	1,767	1,767	1,766	1,766	98	93.64	93.11	93.11	93.11	93.11	93.11	179	183	184	184	184	184
L	MEDINA	10173	Ville Dalsace Water Supply	1.0	410	447	474	489	506	526	246	241.41	240.7	240.7	240.7	240.7	240.7	111	121	128	132	136	142
L	GONZALES	2572	Waelder	0.5	1,016	1,015	999	980	962	942	154	149.38	148.8	148.8	148.8	148.8	148.8	170	169	167	163	160	157
L	BEXAR	2581	Water Services	1.0	3,642	4,119	4,547	4,928	5,364	5,863	145	139.8	139.28	139.28	139.28	139.28	139.28	570	643	709	769	837	915
L	COMAL	2581	Water Services	1.0	1,620	1,609	1,592	1,576	1,558	1,538	145	139.8	139.28	139.28	139.28	139.28	139.28	254	251	248	246	243	240
L	GUADALUPE	2581	Water Services	1.0	201	179	160	143	129	115	145	139.8	139.28	139.28	139.28	139.28	139.28	31	28	25	22	20	18
L	KENDALL	2581	Water Services	1.0	215	192	170	151	135	120	145	139.8	139.28	139.28	139.28	139.28	139.28	34	30	27	24	21	19
L	MEDINA	6592	West Medina WSC	1.0	1,003	1,079	1,097	1,122	1,161	1,095	185	179.88	179.29	179.29	179.29	179.29	179.29	202	217	220	225	233	220
L	HAYS	2629	Wimberley WSC	1.0	5,272	7,640	10,758	14,989	19,834	25,379	104	99.1	98.7	98.7	98.7	98.7	98.7	585	845	1,189	1,657	2,193	2,806
L	UVALDE	6606	Windmill WSC	0.5	1,618	1,581	1,528	1,466	1,399	1,323	197	192.83	192.29	192.29	192.29	192.29	192.29	349	341	329	316	301	285
L	COMAL	6608	Wingert Water Systems	1.0	1,638	1,847	2,126	2,178	2,178	2,178	180	175.33	174.8	174.8	174.8	174.8	174.8	322	362	416	426	426	426
L	REFUGIO	2646	Woodsboro	0.5	1,278	1,204	1,120	1,036	938	823	147	142.41	141.84	141.84	141.84	141.84	141.84	204	191	178	165	149	131
L	MEDINA	2651	Yancey WSC	1.0	6,316	6,706	6,992	7,177	7,389	7,633	101	96.51	95.83	95.83	95.83	95.83	95.83	683	720	751	770	793	819
L	DEWITT	2652	Yoakum	0.5	2,019	2,016	2,004	1,995	1,986	1,977	160	155.23	154.66	154.66	154.66	154.66	154.66	351	349	347	346	344	342
L	DEWITT	2653	Yorktown	0.5	1,826	1,824	1,812	1,803	1,793	1,784	158	153.17	152.61	152.61	152.61	152.61	152.61	313	312	310	308	307	305
L	ZAVALA	3053	Zavala County WCID 1	0.5	1,219	1,186	1,136	1,086	1,032	975	256	251.55	250.97	250.97	250.97	250.97	250.97	343	333	319	305	290	274
<b>Region L Total</b>					<b>3,530,076</b>	<b>4,120,446</b>	<b>4,752,242</b>	<b>5,443,129</b>	<b>6,234,419</b>	<b>7,140,675</b>								<b>506,780</b>	<b>585,898</b>	<b>673,939</b>	<b>771,511</b>	<b>883,288</b>	<b>1,011,336</b>



PROPOSED WUG REVISIONS BY RWPG

WUG Info					Proposed Revisions by RWPG (Increase, Decrease, No Change)																	RWPG Comment	
					Population						Baseline GPCD	Gallons Per Capita Daily (GPCD)						Projected Demand by Decade (ac-ft/yr) = (Population projection * (Baseline GPCD - PC Savings projection) * 365)/325851					
Split Region	County	EntityId	EntityName	Migration Scenario Used	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	GPCD 2030	GPCD 2040	GPCD 2050	GPCD 2060	GPCD 2070	GPCD 2080	2030 Demand	2040 Demand	2050 Demand	2060 Demand	2070 Demand	2080 Demand
L	MEDINA	3162	East Medina County SUD	1.0	10,138	10,820	11,315	11,625	11,982	12,392	81	76.72	76.23	76.23	76.23	76.23	76.23	871	924	966	993	1,023	1,058
L	ATASCOSA	752	El Oso WSC	1.0	106	128	148	158	170	185	183	178.6	177.87	177.87	177.87	177.87	177.87	21	26	29	31	34	37
L	KARNES	752	El Oso WSC	1.0	5,911	6,092	6,273	6,486	6,729	7,009	183	178.6	177.87	177.87	177.87	177.87	177.87	1,183	1,214	1,250	1,292	1,341	1,396
L	WILSON	752	El Oso WSC	1.0	170	207	245	277	315	358	183	178.6	177.87	177.87	177.87	177.87	177.87	34	41	49	55	63	71
L	BEXAR	760	Elmendorf	1.0	4,013	5,382	7,210	9,683	12,059	16,657	130	125.62	125.01	125.01	125.01	125.01	125.01	565	754	1,010	1,356	1,689	2,332
L	LA SALLE	762	Encinal WSC	0.5	1,043	1,085	1,146	1,146	1,221	1,318	1,449	187	182.99	182.39	182.39	182.39	182.39	214	222	234	249	269	296
L	BEXAR	2697	Fair Oaks Ranch	1.0	5,506	6,117	6,422	6,544	6,575	6,575	237	232.63	232.22	232.22	232.22	232.22	232.22	1,435	1,591	1,670	1,702	1,710	1,710
L	COMAL	2697	Fair Oaks Ranch	1.0	1,893	2,259	2,442	2,515	2,533	2,533	237	232.63	232.22	232.22	232.22	232.22	232.22	493	588	635	654	659	659
L	KENDALL	2697	Fair Oaks Ranch	1.0	2,519	3,440	3,901	4,085	4,131	4,131	237	232.63	232.22	232.22	232.22	232.22	232.22	656	895	1,015	1,063	1,075	1,075
L	KARNES	772	Falls City	1.0	476	503	529	560	594	634	201	196.06	195.59	195.59	195.59	195.59	195.59	105	110	116	123	130	139
L	GONZALES	776	Fayette WSC	0.5	40	52	66	86	113	150	126	122.06	121.48	121.48	121.48	121.48	121.48	5	7	9	12	15	20
L	WILSON	784	Floresville	1.0	5,859	6,166	6,482	6,762	7,082	7,448	213	208.36	207.83	207.83	207.83	207.83	207.83	1,367	1,435	1,509	1,574	1,649	1,734
L	BEXAR	6318	Fort Sam Houston	1.0	8,270	8,270	8,270	8,270	8,270	8,270	1895	1890.59	1889.65	1889.65	1889.65	1889.65	1889.65	17,514	17,505	17,505	17,505	17,505	17,505
L	COMAL	829	Garden Ridge	1.0	5,786	7,152	8,522	10,100	11,972	14,191	315	310.6	310.18	310.18	310.18	310.18	310.18	2,013	2,485	2,961	3,509	4,160	4,931
L	CALDWELL	2973	Goforth SUD	1.0	769	920	1,061	1,193	1,346	1,522	101	97.12	96.75	96.75	96.75	96.75	96.75	84	100	115	129	146	165
L	HAYS	2973	Goforth SUD	1.0	41,415	65,951	98,260	142,035	192,136	249,490	101	97.12	96.75	96.75	96.75	96.75	96.75	4,505	7,147	10,649	15,393	20,823	27,038
L	GOLIAD	845	Goliad	1.0	1,495	1,495	1,495	1,495	1,495	1,495	180	175.02	174.49	174.49	174.49	174.49	174.49	293	292	292	292	292	292
L	GONZALES	846	Gonzales	0.5	7,512	7,509	7,399	7,279	7,152	7,015	222	217.43	216.86	216.86	216.86	216.86	216.86	1,830	1,824	1,797	1,768	1,737	1,704
L	CALDWELL	847	Gonzales County WSC	1.0	144	143	141	143	145	145	244	239.42	238.77	238.77	238.77	238.77	238.77	39	38	38	38	39	39
L	DEWITT	847	Gonzales County WSC	0.5	200	198	195	189	185	177	244	239.42	238.77	238.77	238.77	238.77	238.77	54	53	52	51	49	47
L	GONZALES	847	Gonzales County WSC	0.5	7,218	7,208	7,096	6,970	6,836	6,693	244	239.42	238.77	238.77	238.77	238.77	238.77	1,936	1,928	1,898	1,864	1,828	1,790
L	GUADALUPE	847	Gonzales County WSC	1.0	125	160	200	241	288	343	244	239.42	238.77	238.77	238.77	238.77	238.77	34	43	53	64	77	92
L	BEXAR	861	Green Valley SUD	1.0	1,776	2,164	2,511	2,808	3,149	3,541	103	99.01	98.58	98.58	98.58	98.58	98.58	197	239	277	310	348	391
L	COMAL	861	Green Valley SUD	1.0	1,315	1,956	2,811	3,893	5,131	6,549	103	99.01	98.58	98.58	98.58	98.58	98.58	146	216	310	430	567	723
L	GUADALUPE	861	Green Valley SUD	1.0	43,357	57,981	74,353	91,615	111,365	133,969	103	99.01	98.58	98.58	98.58	98.58	98.58	4,809	6,402	8,210	10,116	12,297	14,793
L	CALHOUN	65	Guadalupe-Blanco River Authority	0.5	3,669	3,326	2,956	2,605	2,202	1,743	146	141.68	141.24	141.24	141.24	141.24	141.24	582	526	468	412	348	276
L	COMAL	65	Guadalupe-Blanco River Authority	1.0	3,500	3,500	3,500	3,500	3,500	3,500	146	141.68	141.24	141.24	141.24	141.24	141.24	555	554	554	554	554	554
L	KENDALL	65	Guadalupe-Blanco River Authority	1.0	1,719	5,500	5,500	5,500	5,500	5,500	146	141.68	141.24	141.24	141.24	141.24	141.24	273	870	870	870	870	870
L	MEDINA	956	Hondo	1.0	7,907	7,586	7,407	7,448	7,491	7,534	243	243	243	243	243	243	243	2,152	2,065	2,016	2,027	2,039	2,051
L	ATASCOSA	1244	Jourdanton	1.0	4,958	5,239	5,540	5,840	6,182	6,572	190	185.46	184.92	184.92	184.92	184.92	184.92	1,030	1,085	1,148	1,210	1,281	1,361
L	KARNES	1247	Karnes City	1.0	2,314	2,441	2,566	2,709	2,871	3,057	168	163.43	162.86	162.86	162.86	162.86	162.86	424	445	468	494	524	558
L	KENDALL	3017	Kendall County WCID 1	1.0	2,873	3,114	3,939	4,896	5,992	7,247	86	80.98	80.35	80.35	80.35	80.35	80.35	261	280	355	441	539	652
L	KENDALL	6381	Kendall West Utility	1.0	2,819	3,561	4,515	5,623	6,890	8,342	111	106.58	105.99	105.99	105.99	105.99	105.99	337	423	536	668	818	990
L	KARNES	1256	Kenedy	1.0	3,447	3,640	3,831	4,046	4,294	4,577	352	347.2	346.73	346.73	346.73	346.73	346.73	1,341	1,414	1,488	1,571	1,668	1,778
L	BEXAR	1269	Kirby	1.0	8,962	10,140	10,365	10,365	10,365	10,365	92	87.27	86.79	86.79	86.79	86.79	86.79	876	986	1,008	1,008	1,008	1,008
L	UVALDE	6383	Knippa WSC	0.5	495	485	469	450	430	405	187	182.26	181.64	181.64	181.64	181.64	181.64	101	99	95	92	87	82
L	COMAL	6384	KT Water Development	1.0	2,652	4,105	6,045	8,498	11,306	14,521	304	300.22	299.85	299.85	299.85	299.85	299.85	892	1,379	2,030	2,854	3,797	4,877
L	HAYS	1276	Kyle	1.0	61,050	91,138	124,117	139,145	144,092	147,735	91	86.7	86.18	86.18	86.18	86.18	86.18	5,929	8,798	11,982	13,432	13,910	14,261
L	BEXAR	1286	La Coste	1.0	17	19	21	22	24	27	94	89.39	88.83	88.83	88.83	88.83	88.83	2	2	2	2	2	3
L	MEDINA	1286	La Coste	1.0	1,310	1,290	1,281	1,296	1,313	1,330	94	89.39	88.83	88.83	88.83	88.83	88.83	131	128	127	129	131	132
L	WILSON	1283	La Vernia	1.0	3,135	3,476	3,815	4,114	4,457	4,850	190	185.11	184.31	184.31	184.31	184.31	184.31	650	718	788	849	920	1,001
L	BEXAR	1285	Lackland Air Force Base	1.0	14,048	14,048	14,048	14,048	14,048	14,048	96	92.41	91.59	91.59	91.59	91.59	91.59	1,454	1,441	1,441	1,441	1,441	1,441
L	BEXAR	1314	Leon Valley	1.0	15,085	18,291	18,291	18,291	18,291	18,291	110	110	110	110	110	110	110	1,859	2,254	2,254	2,254	2,254	2,254
L	BEXAR	1331	Live Oak	1.0	9,829	9,829	9,829	9,829	9,829	9,829	159	154.37	153.58	153.58	153.58	153.58	153.58	1,700	1,691	1,691	1,691	1,691	1,691
L	CALDWELL	1588	Lockhart	1.0	21,276	23,217	25,158	27,099	29,040	30,977	129	124.51	124	124	124	124	124	2,967	3,225	3,494	3,764	4,034	4,303
L	ZAVALA	6404	Loma Alta Chula Vista Water System	0.5	323	315	302	289	274	259	287	282.9	282.31	282.31	282.31	282.31	282.31	102	100	96	91	87	82
L	CALDWELL	1607	Luling	1.0	5,602	5,747	5,888	6,085	6,296	6,525	128	123.35	122.79	122.79	122.79	122.79	122.79	774	790	810	837	866	897
L	GONZALES	1607	Luling	0.5	54	54	53	53	51	50	128	123.35	122.79	122.79	122.79	122.79	122.79	7	7	7	7	7	7
L	ATASCOSA	1611	Lytile	1.0	2,696	2,851	3,017	3,180	3,366	3,579	174	169.32	168.79	168.79	168.79	168.79	168.79	511	539	570	601	636	677
L	BEXAR	1611	Lytile	1.0	253	285	314	340	368	402	174	169.32	168.79	168.79	168.79	168.79	168.79	48	54	59	64	70	76
L	MEDINA	1611	Lytile	1.0	623	673	709	730	755	783	174	169.32	168.79	168.79	168.79	168.79	168.79	118	127	134	138	143	148
L	GUADALUPE	1800	Marion	1.0	1,471	1,546	1,631	1,721	1,825	1,945	113	108.44	107.91	107.91	107.91	107.91	107.91	179	187	197	208	221	235
L	CALDWELL	1804	Martindale WSC	1.0	3,897	5,125	5,540	6,001	6,512	7,076	96	91.62	91.19	91									





PROPOSED WUG REVISIONS BY RWPG

WUG Info				Proposed Revisions by RWPG (Increase, Decrease, No Change)																		RWPG Comment	
				Population						Baseline GPCD	Gallons Per Capita Daily (GPCD)						Projected Demand by Decade (ac-ft/yr) = (Population projection * (Baseline GPCD - PC Savings projection) * 365)/325851						
Split Region	County	EntityId	EntityName	Migration Scenario Used	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	GPCD 2030	GPCD 2040	GPCD 2050	GPCD 2060	GPCD 2070	GPCD 2080	2030 Demand	2040 Demand	2050 Demand	2060 Demand	2070 Demand	2080 Demand
L	MEDINA	6592	West Medina WSC	1.0	1,003	1,079	1,097	1,122	1,161	1,095	185	179.88	179.29	179.29	179.29	179.29	179.29	202	217	220	225	233	220
L	HAYS	2629	Wimberley WSC	1.0	5,272	7,640	10,758	14,989	19,834	25,379	104	99.1	98.7	98.7	98.7	98.7	98.7	585	845	1,189	1,657	2,193	2,806
L	UVALDE	6606	Windmill WSC	0.5	1,516	1,385	1,249	1,114	960	784	197	192.83	192.29	192.29	192.29	192.29	192.29	327	298	269	240	207	169
L	COMAL	6608	Wingert Water Systems	1.0	1,638	1,847	2,126	2,178	2,178	2,178	180	175.33	174.8	174.8	174.8	174.8	174.8	322	362	416	426	426	426
L	REFUGIO	2646	Woodsboro	0.5	1,278	1,204	1,120	1,036	938	823	147	142.41	141.84	141.84	141.84	141.84	141.84	204	191	178	165	149	131
L	MEDINA	2651	Yancey WSC	1.0	6,316	6,706	6,992	7,177	7,389	7,633	101	96.51	95.83	95.83	95.83	95.83	95.83	683	720	751	770	793	819
L	DEWITT	2652	Yoakum	0.5	2,019	2,002	1,970	1,921	1,865	1,802	160	155.23	154.66	154.66	154.66	154.66	154.66	351	347	341	333	323	312
L	DEWITT	2653	Yorktown	0.5	1,826	1,824	1,812	1,803	1,793	1,784	158	153.17	152.61	152.61	152.61	152.61	152.61	313	312	310	308	307	305
L	ZAVALA	3053	Zavala County WCID 1	0.5	1,219	1,186	1,136	1,086	1,032	975	256	251.55	250.97	250.97	250.97	250.97	250.97	343	333	319	305	290	274
<b>REGION L TOTAL</b>					<b>4,000,417</b>	<b>4,811,533</b>	<b>5,491,147</b>	<b>6,199,157</b>	<b>6,924,742</b>	<b>7,719,483</b>								<b>532,805</b>	<b>619,366</b>	<b>695,622</b>	<b>777,159</b>	<b>861,878</b>	<b>961,755</b>