

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, February 17, 2022 at 2:00 PM 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=mc0b322d9c7ca57e4361061dc24d053d7>. The planning group members will consider and may take action regarding:

1. (2:00 PM) 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. Status Reports and Communications by Texas Water Development Board
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
6. TWDB Presentation on Legislative Requirements of Planning Group Members
7. TWDB Presentation on Non-Municipal Projections, Methodologies for 2026 Regional Water Plans
8. Presentation, Discussion, and Appropriate Action Regarding the SCTRWPG's Guiding Principles
9. Overview and Discussion on the Cycle Timeline and Consultant Schedule
10. Presentation, Discussion, and Appropriate Action Regarding the Establishment of Subcommittees
11. Election of Officers for the 2022 SCTRWPG Executive Committee
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 khayes@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: Kendall Hayes, 201 W. Sheridan Street, San Antonio, TX 78204. Please direct any questions to Kendall Hayes at (210) 302-3641.

2. Public Comment

3. Approval of the Minutes from the Previous Meeting of the South Central Texas Regional Water Planning Group (SCTRWPG)

**Minutes of the South Central Texas Regional Water Planning Group
November 4, 2021**

Chair Andruss called the virtual meeting to order at 9:30 a.m., held both in person and through GoToMeeting online platform.

23 of the 30 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss	Humberto Ramos
Amber Beard	Weldon Riggs
Curt Campbell	Roland Ruiz
Debbie Farmer	Blaine Schorp for Dianne Savage
Steve Graham	Mitchell Sowards
Vic Hilderbran	Jonathan Stinson
Tom Jungman	Heather Sumpter
Russell Labus	Thomas Taggart
Glenn Lord	Ian Taylor
Gary Middleton	Dianne Wassenich
Robert Puente	Adam Yablonski
Vanessa Puig Williams	

Voting Members Absent:

John Byrum	Daniel Meyer
Rey Chavez	Darren Simmons
Will Conley	
Charlie Flatten	

Non-Voting Members Present:

Marty Kelly, TX Department of Parks and Wildlife
Elizabeth McCoy, Texas Water Development Board (TWDB)

Non-Voting Members Absent:

Iliana Delgado, TCEQ
Ronald Fieseler, Region K Liaison
Jami McCool, TX Dept. of Agriculture
Don McGhee, Region M Liaison
Charles Wiedenfeld, Region J Liaison
Carl Crull, Region N 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.

AGENDA ITEM NO.1: (9:30 AM) ROLL CALL

Ms. Kendall Hayes, San Antonio River Authority, called the role and confirmed a quorum.

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. Middleton motioned to approve the minutes. Mr. Taggart seconded the motion, motion passed

AGENDA ITEM NO.4: STATUS REPORTS AND COMMUNICATIONS BY TEXAS WATER DEVELOPMENT BOARD

Ms. Elizabeth McCoy provided an update. TWDB asked each RWPG to submit nominations to serve on the Interregional Planning Council, later acted upon on Agenda Item No.6. TWDB is reviewing the input received from the public comment period and will provide a report at a later time.

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

Chair Andruss provided an update on the status of Black & Veatch's contract.

GMA's 10 and 15 are on track to submit their report to TWDB. Mr. Campbell provided an update on GMA 9. At an upcoming joint planning committee, they will take action on confirming DFC's.

Ms. Wassenich provided an update on Region K. The Region is at the same stage of the planning process as Region L.

AGENDA ITEM NO.6: DISCUSSION AND NOMINATION OF ONE PLANNING GROUP MEMBER AND ONE ALTERNATE TO SERVE ON THE NEXT INTERREGIONAL PLANNING COUNCIL

Mr. Middleton moved to nominate Chair Andruss as the primary and Mr. Stinson as the alternate to serve on the Interregional Planning Council. Mr. Taggert seconded the motion, motion passed.

AGENDA ITEM NO.7: DISCUSSION AND APPROPRIATE ACTION REGARDING THE RECOMMENDATION BY THE EXECUTIVE COMMITTEE ON VACANCIES OF SCTRWPG VOTING MEMBERS. VACANCIES INCLUDE: ELECTRIC GENERATING UTILITIES AND COUNTIES

Chair Andruss shared the Executive Committee's recommendation to the planning group. The Executive Committee recommends Mr. Travis Pruski to fill the vacancy of the Counties interest group. Chair Andruss moved to seat Mr. Pruski. Mr. Ramos seconded the motion, motion passed.

Mr. Ruiz motioned to allow the San Antonio River Authority to solicit nominations for open seats in between meetings. Mr. Ramos seconded the motion, motion passed.

AGENDA ITEM NO.8: DISCUSSION AND APPROPRIATE ACTION REGARDING THE ESTABLISHMENT OF AN ENVIRONMENTAL SUBCOMMITTEE

Chair Andruss requested that the RWPG pass on the discussion of subcommittees establishment. The agenda item shall be moved to the February meeting and will be restructured to support the discussion and possible establishment of subcommittees.

AGENDA ITEM NO.9: REVIEW AND DISCUSSION OF THE SCTRWPG'S GUIDING PRINCIPLES

Ms. Wassenich asked if there were legislative changes that impact the RWPG's principles. Ms. McCoy mentioned that in HB 1905 there were a couple of revisions. Chair Andruss stated that these do not affect the group's Guiding Principles. Discussion ensued regarding the guiding principles. The group will review the guiding principles and discuss at a later meeting. At the next meeting, the planning group will discuss the principles and if necessary, create a subcommittee to assist with rewording the principles.

AGENDA ITEM NO.10: DISCUSSION AND APPROPRIATE ACTION REGARDING THE NOMINATION OF JOHN BYRUM TO SERVE AS REGION J LIAISON

Mr. Yablonski motioned to select Mr. Byrum to serve as the Region J liaison. Mr. Jungman seconded the motion, motion passed.

AGENDA ITEM NO.11: DISCUSSION AND SELECTION OF THE SCTRWPG'S 2022 MEETING DATES

Ms. Hayes provided suggested dates for 2022 meetings: February 03, 2022, May 05, 2022, August 04, 2022, and November 03, 2022.

Mr. Graham motioned to adopt the suggested dates as the 2022 meeting dates. Mr. Middleton seconded the motion, motion passed.

AGENDA ITEM NO.12: SCHEDULE AND POTENTIAL AGENDA ITEMS FOR THE NEXT MEETING OF THE SCTRWPG

Mr. Middleton requested a TWDB presentation to review the legislative membership requirements for planning group members.

AGENDA ITEM NO.13: PUBLIC COMMENTS

No public comments.

AGENDA ITEM NO. 14: ADJOURN

Mr. Middleton motioned to adjourn the meeting. Mr. Taggart seconded the motion. The meeting adjourned at 10:29 AM.

4. Status Reports and Communications by Texas Water Development Board

Region L TWDB Update 2-17-22

1. Regional Water Planning Rulemaking

- Amendments to 31 TAC Chapters 357 and 358
- Public comment period closed January 31
- Board to consider adoption of final rules in spring 2022
- Rule proposals available on the TWDB website at:
<https://www.twdb.texas.gov/about/rules/index.asp>

2. Draft Demand Projections

- January 2022 - draft projections and supporting materials released for:
 - Livestock
 - Manufacturing
 - Steam-electric
- July 2023 - deadline to request revisions for non-municipal demands
- Data sent to RWPG members and available online:
<https://www.twdb.texas.gov/waterplanning/data/projections/2027/projections.asp>

Region L TWDB Update 2-17-22

3. RWP Contract Amendments

- Anticipated summer 2022
- Amendment will include:
 - Anticipated total project cost (full contract amount for the cycle)
 - Full scope of work
 - Updated contract guidance documents (Exhibits C and D)

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

6. TWDB Presentation on Legislative Requirements of Planning Group Members

Regional Water Planning Group Voting Member Responsibilities

Elizabeth McCoy

Planner, Regional Water Planning
Water Supply Planning
Texas Water Development Board
elizabeth.mccoy@twdb.texas.gov

Texas Water Code and TWDB rule – required voting member interest categories

- *Public*
- *Counties*
- *Municipalities*
- *Industries*
- *Agricultural interests*
- *Environmental interests*
- *Small businesses*
- *Electric-generating utilities*
- *River authorities*
- *Water districts*
- *Water utilities*
- *Groundwater management areas*

Key Responsibilities of Planning Group Members

Represent interest category and region

Follow the RWPG bylaws

Complete OMA and PIA trainings

Be informed on planning rules and guidelines

Participate in development of the RWP

Contribute supporting information

Key Responsibilities of Planning Group Members - *Continued*

Consider local
plans in RWP
development

Review meeting
materials prior to
RWPG meetings

Direct work of
technical
consultant

Review draft plan
content and
provide feedback

Coordinate with
other RWPGs

Adopt RWP by
the statutory
deadline

More Information

- TWDB Regional Water Planning Main Page:
<http://www.twdb.texas.gov/waterplanning/rwp/index.asp>
- New Member Webpage:
<http://www.twdb.texas.gov/waterplanning/rwp/regions/newmembers.asp>
- Sixth Cycle Planning Documents Webpage:
<http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/documents.asp>

Questions?

Elizabeth McCoy

Planner, Regional Water Planning
Water Supply Planning
Texas Water Development Board
elizabeth.mccoy@twdb.texas.gov

7. TWDB Presentation on Non-Municipal Projections, Methodologies for 2026 Regional Water Plans

2026 Regional Water Plans Non-Municipal Projections Methodology Overview

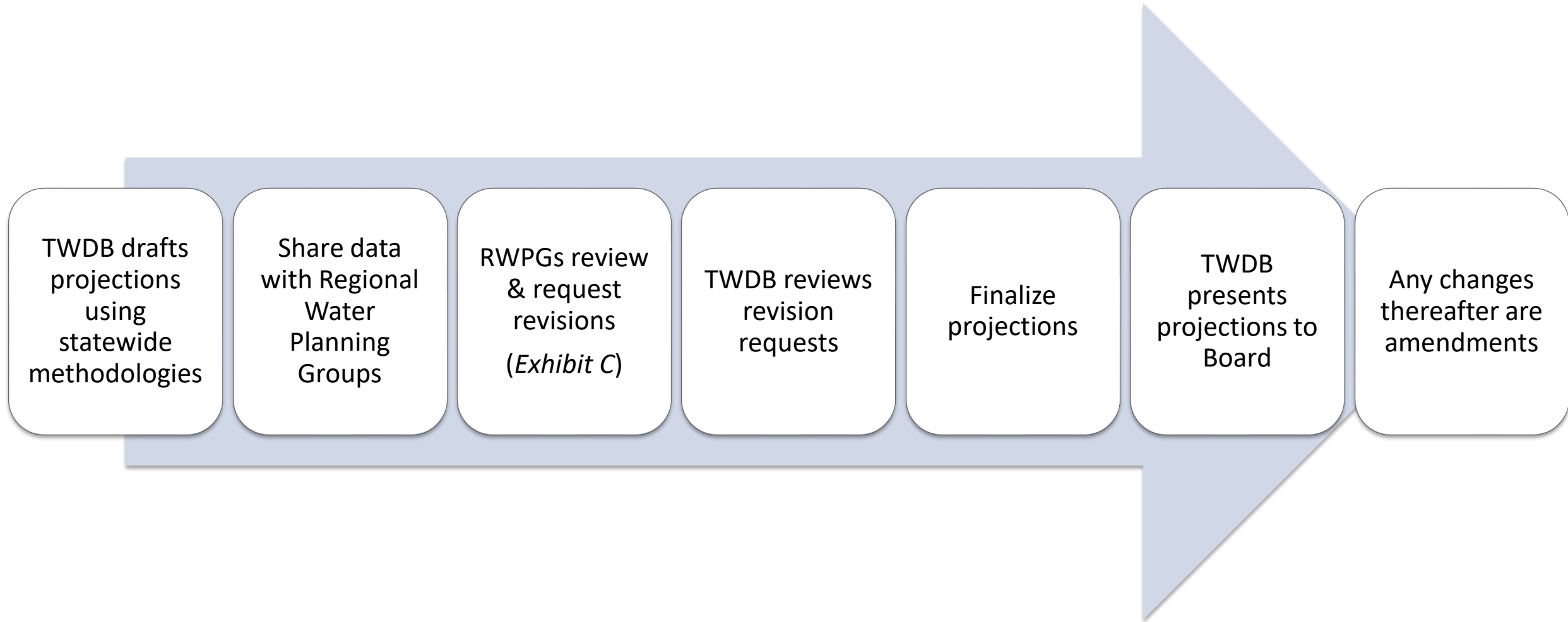
Katie Dahlberg
Manager, Projections & Socioeconomic Analysis
Water Supply Planning

February 17, 2022
South Central Texas Region L Planning Group Meeting

Agenda

- Overview projections process
- Projections data release schedule
- Non-municipal water demand projection methodologies
 - Irrigation
 - Livestock
 - Manufacturing
 - Mining
 - Steam-Electric Power

Projections Process



Projections Release Schedule

Draft Water Demand Projections	Timeline
Livestock, Manufacturing, Steam-Electric Power Projections + Supporting Data	January 20, 2022
Water User Group List + Historical Population, Connections, Net Use, GPCD	March 2022
DUE: RWPGs review WUG list + historical data	July 2022
Irrigation, Mining Projections + Supporting Data	August 2022
Population Projections + Plumbing Code Savings + Municipal Demand	February 2023
DUE: RWPGs request revisions for non-municipal demand projections	July 2023
DUE: RWPGs request revisions for population and municipal demand projections	August 2023

Non-Municipal Water Demand Projections Methodologies

Historical: 2015 - 2019

Projections: 2030 - 2080

Irrigation

Same methodology as 2021 RWP's

Baseline = 5-year average (2015-2019)

Water sources: groundwater, surface water, reuse

- Most-recent Modeled Available Groundwater

Irrigation

2030 – 2080 held constant

- Except counties where groundwater availability (MAG) is less than the groundwater-portion of the demand projections
- Decline commensurate with groundwater availability

Draft projections will be released in August 2022

Livestock

Same methodology as 2021 RWPs

Baseline = 5-year average (2015-2019)

- County water use estimates, based on USDA inventory * water use coefficients
- Water Use Survey facilities

Follows same projection trend as 2021 RWPs

- 2070 – 2080 held constant

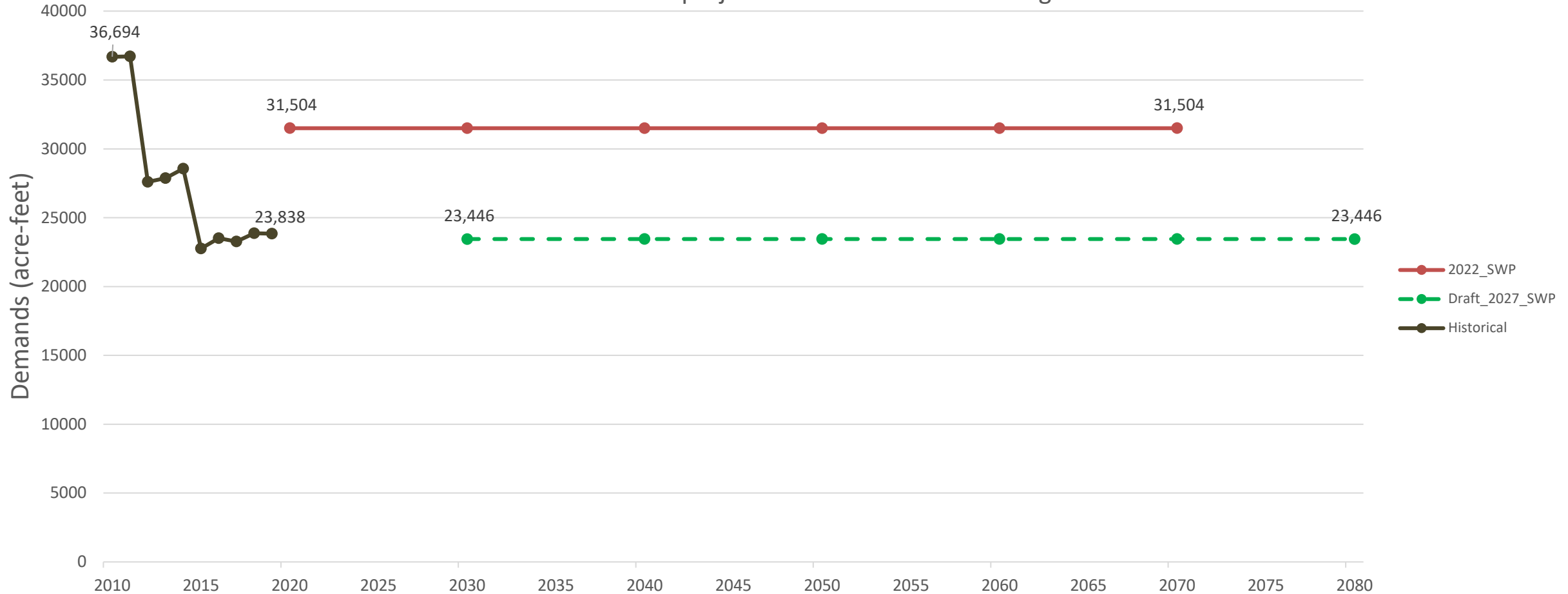
Draft projections released in January 2022

Livestock Water Use Coefficients

TWDB Category	USDA Data Type	2026 RWP Water Use (gallons/head/day)	2021 RWP Water Use (gallons/head/day)
Cattle	Milk	55	75
	Fed & Other Cattle	15	15
Chickens	Layers	0.09	0.086
	Pullets, Replacement		
	Roosters	0.09	0.077
	Broilers		
Equine	Horses & Ponies	12	12
	Mules, Burros, & Donkeys		
Hogs	Hogs	5	11
Sheep	Sheep	2	2
Goats	Milk	2	0.5
	Meat & Other		
	Angora		
Turkeys	Turkeys	0.2	0.2

Livestock Projections: Compare 2021 RWP to Draft 2026 RWP

Livestock water use and demand projections for all counties in Region L.



Manufacturing

Baseline = highest county water use (2015-2019) + unaccounted water use estimates

- Historical water use survey
- U.S. Census Bureau County Business Patterns (CBP) historical number of establishments

Water Sources: fresh and brackish groundwater, fresh surface water, reuse

- Total intake

Draft projections released in January 2022

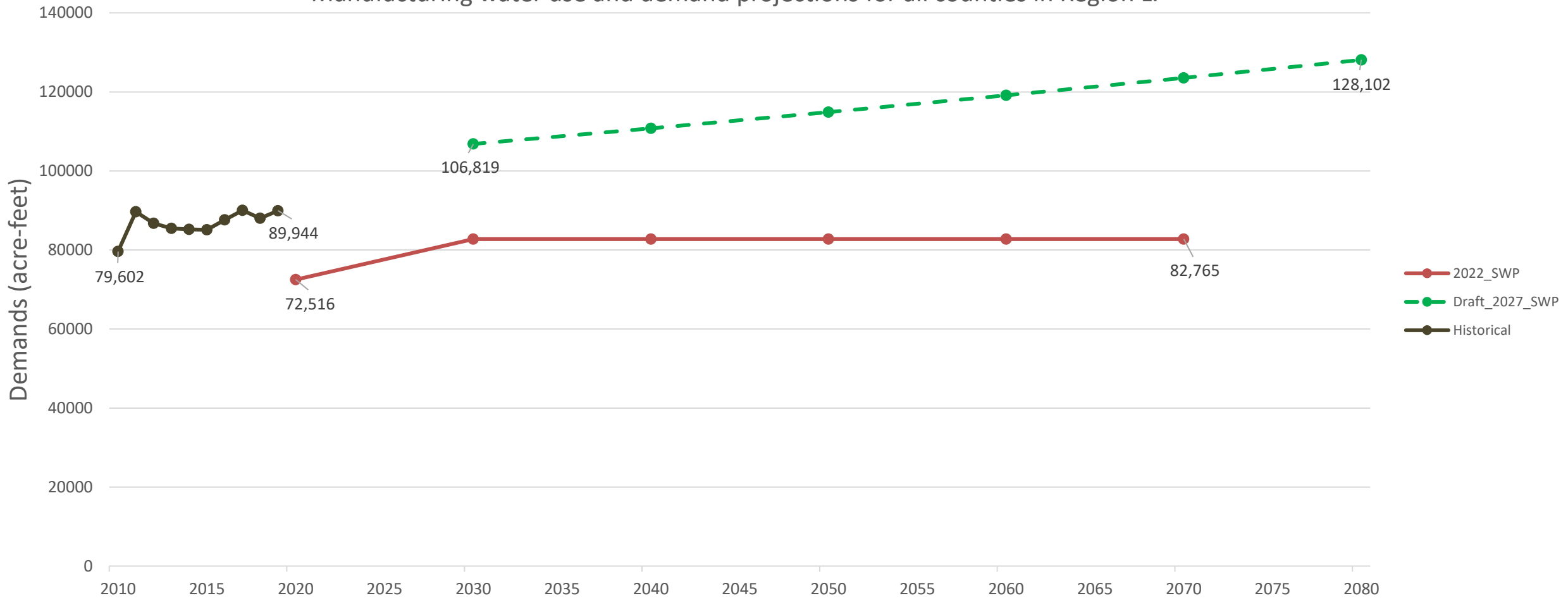
Manufacturing

Baseline * 2010-2019 historical water use survey rate of change = 2030

CBP 2010-2019 historical number of establishments rate of change used to project each decade 2040-2080

Manufacturing Projections: Compare 2021 RWP to Draft 2026 RWP

Manufacturing water use and demand projections for all counties in Region L.



Mining

Study funded by USGS

Contracted UT Bureau of Economic Geology

Update to the 2011 study

Comprehensive and quantitative assessment of mining water use in Texas

- Oil and gas, aggregates, and coal and lignite
- Historical estimates
- Projections for the 2026 Regional Water Plans

August 2022

<https://www.twdb.texas.gov/waterplanning/data/projections/MiningStudy/index.asp>

Steam-Electric Power

Baseline = highest county water use (2015-2019) + estimated water use for non-responses and proposed facilities

- Historical water use survey
- U.S. Energy Information Administration 860 form – NAICS: 22

If a facility retires before 2020, then the water use is removed from the projections

If RWPGs requested to remove a facility in the previous plan, then facility was removed in the draft projections

Steam-Electric Power

Water sources: fresh and brackish groundwater, fresh surface water, reuse

- Consumptive use

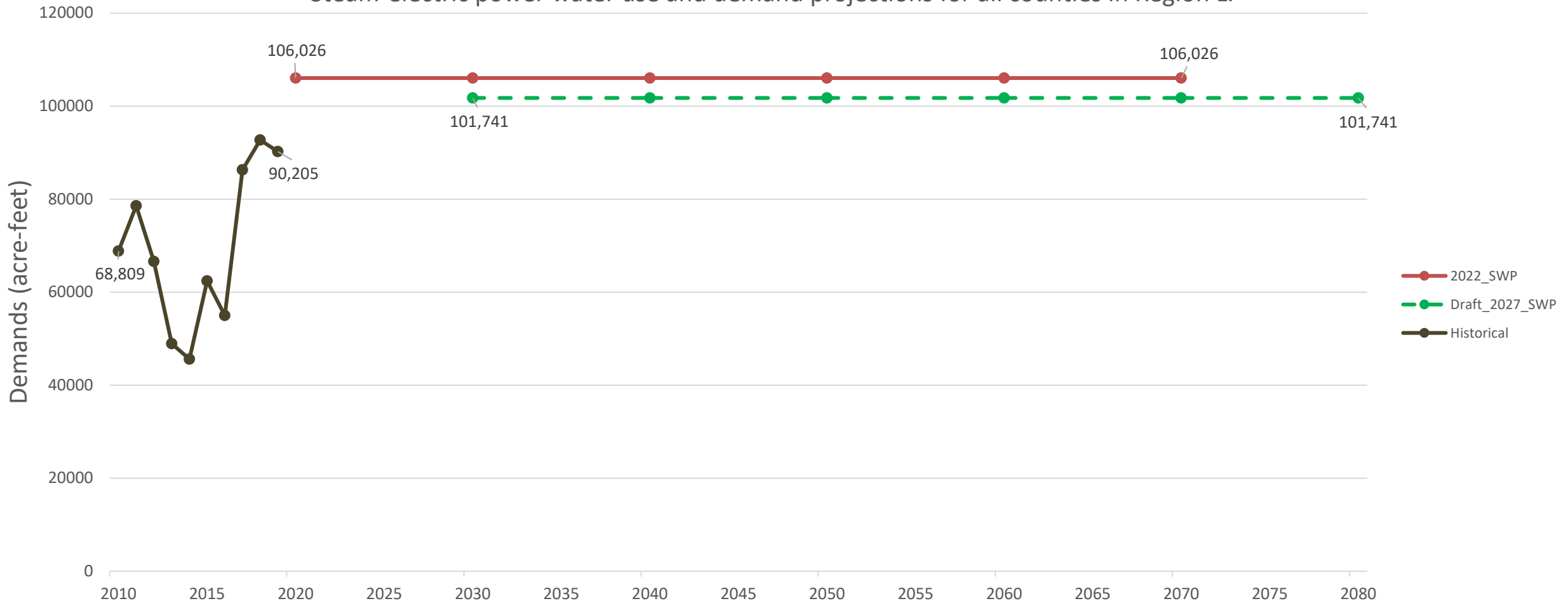
2030 – 2080 held constant

Same methodology as the 2021 RWPs

Draft projections released in January 2022

Steam-Electric Power Projections: Compare 2021 RWP to Draft 2026 RWP

Steam-electric power water use and demand projections for all counties in Region L.



Water Sources

Source	Groundwater		Surface Water				Reuse
	Fresh	Brackish	Fresh	Saline	Consumptive Use Percentage	Seawater	Reuse
Irrigation	X	X	X	X			X
Livestock	X	X	X	X			
Manufacturing	X	X	X				X
Mining	X	X	X	X			X
Steam-electric	X	X	X		X		X

2026 RWP Draft Projections

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

The screenshot shows the Texas Water Development Board website. The header includes the logo, a search bar, and social media icons. The navigation menu is highlighted on 'Water Planning'. The main content area is divided into four columns: STATE WATER PLAN, REGIONAL WATER PLANNING, PLANNING DATA, and WATER USE SURVEY. The 'Population & Water Demand Projections' link is highlighted in the 'PLANNING DATA' column.

STATE WATER PLAN	REGIONAL WATER PLANNING	PLANNING DATA	WATER USE SURVEY
Interactive State Water Plan	Planning Group Meeting Schedule	Regional Water Planning Database	Online Water Use Survey
2022 State Water Plan	Planning Group Information	Planning Data Dashboard	Printable Water Use Survey
2017 State Water Plan	6th Planning Cycle Information (2026 RWPs)	Population & Water Demand Projections	Historical Water Use Estimates
2012 State Water Plan	2021 Regional Water Plans & Previous Plans	Socio-Economic Impact Analysis	Data Dashboard
2007 State Water Plan	Educational Information	Other Data Resources	Historical Groundwater Pumpage
2002 State Water Plan	Frequently Asked Questions		Service Boundary Editor
1997 State Water Plan			

Questions?

Contact:

Katie Dahlberg

katie.dahlberg@twdb.texas.gov

512-463-2449

Stay connected:



8. Presentation, Discussion, and Appropriate Action Regarding the SCTRWPG's Guiding Principles

Agenda Item 8: Presentation, Discussion, and Appropriate Action Regarding the SCTRWPG's Guiding Principles

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Potential, Non-substantive Revisions to Guiding Principles: Update Language with Current Cycle of Planning (i.e., 6th Cycle; 2026 Plan)

Principle & Name	Description of Potential Revision
I: Appropriateness and Adequacy of How Demand and Need Are Determined	<ul style="list-style-type: none"> Update reference to TWDB document from "Fifth Cycle" to "2026 Plan" Update reference to Chapter 8 from the "2016 Plan" to "2021 Plan"
XI: Identifying Special Studies or Evaluations Deemed Important to Enhance the 2021 Plan, the Identification of Outside Funding Sources, and the Extent to Which Innovative Strategies Should Be Used	<ul style="list-style-type: none"> Update title of principle from "2021 Plan" to "2026 Plan"

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PRINCIPLE I: APPROPRIATENESS AND ADEQUACY OF HOW DEMAND AND NEED ARE DETERMINED

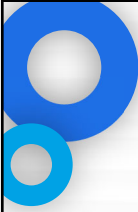
Adopted: August 4, 2016

[...] Where the SCTRWPG finds a discrepancy in TWDB’s projections, and can adequately justify its findings by verifying one or more of the “criteria for adjustment,” TWDB – in consultation with TDA, TCEQ, and TPWD – may adjust population and/or water demand projections accordingly (see *generally [General Guidelines for Development of the 2026 Regional Water Plan Fifth Cycle of Regional Water Plan Development, Article, 2- Population and Water Demand Projections](#)*). Consistent with Chapter 8 of the [2021 2016](#) Regional Water Plan for Region L, the SCTRWPG supports greater TWDB flexibility through relaxation of current methodological assumptions holding regional and state population projection totals fixed (see Chapter 8.9.3 *Population and Water Demand Projections*). [...]

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PRINCIPLE XI: IDENTIFYING SPECIAL STUDIES OR EVALUATIONS DEEMED IMPORTANT TO ENHANCE THE [2026 2021](#) PLAN, THE IDENTIFICATION OF OUTSIDE FUNDING SOURCES, AND THE EXTENT TO WHICH INNOVATIVE STRATEGIES SHOULD BE USED

Adopted: November 2, 2017

The SCTRWPG recognizes that there are no identifiable outside funding sources for special studies or evaluations. However, the SCTRWPG remains willing to consider evaluating any proposed water management strategies and special studies allowable under section 357.34 of the TAC.

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9. Overview and Discussion on the Cycle Timeline and Consultant Schedule

Agenda Item 9: Overview and Discussion on the Cycle Timeline and Consultant Schedule

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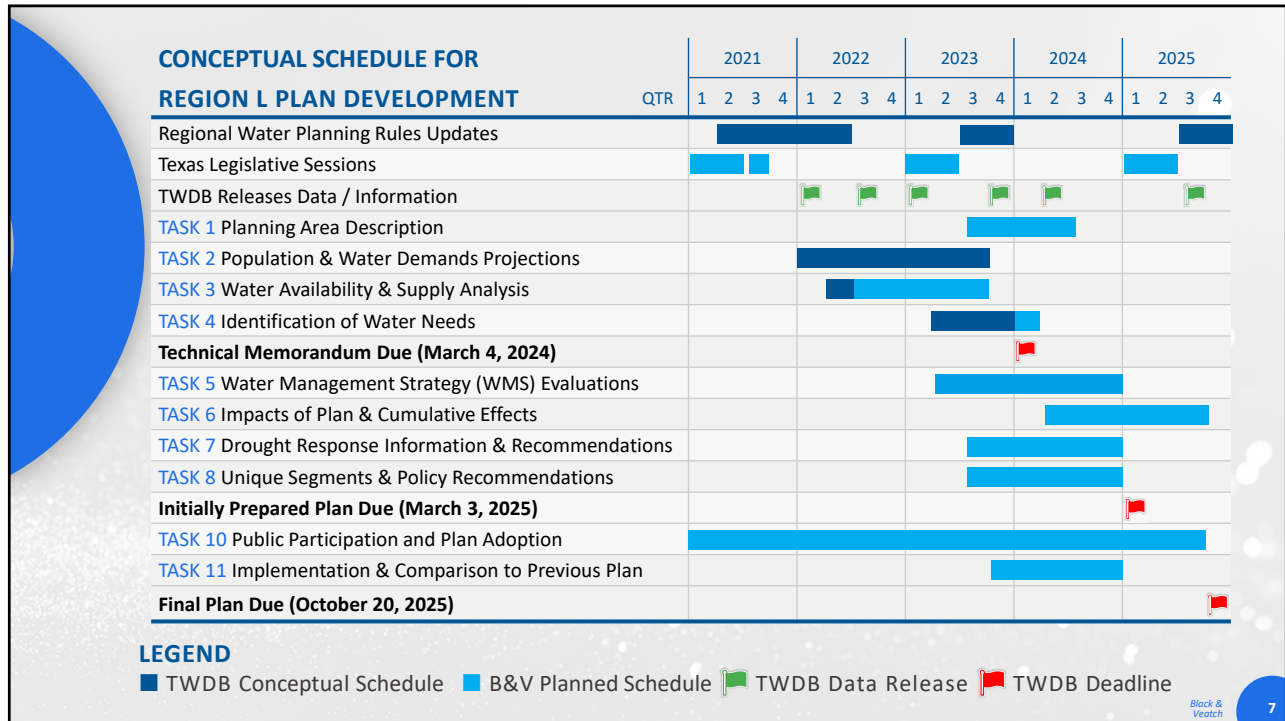
TWDB Data Releases and SCTRWPG Actions

Expected Release Date	TWDB Data	SCTRWPG Actions	SCTRWPG Action Due Date
Dec. 2021 – Sep. 2022	Updated Modeled Available Groundwater numbers		
Jan. 2022	Draft Demands Projections: Livestock, Manufacturing, and Steam-Electric (SE) Power	Review draft projections & finalize adjustments with TWDB staff	Jul. 2023
Mar. 2022	Municipal WUG list, GPCD, historical population, and water use	Provide feedback to TWDB	Jul. 2022
Sep. 2022	Draft Demands Projections: Irrigation and Mining	Review draft projections & finalize adjustments with TWDB staff	Jul. 2023
Feb. 2023	Draft Population Projections and Draft Demands Projections: Municipal	Review draft projections & finalize adjustments with TWDB staff	Aug. 2023

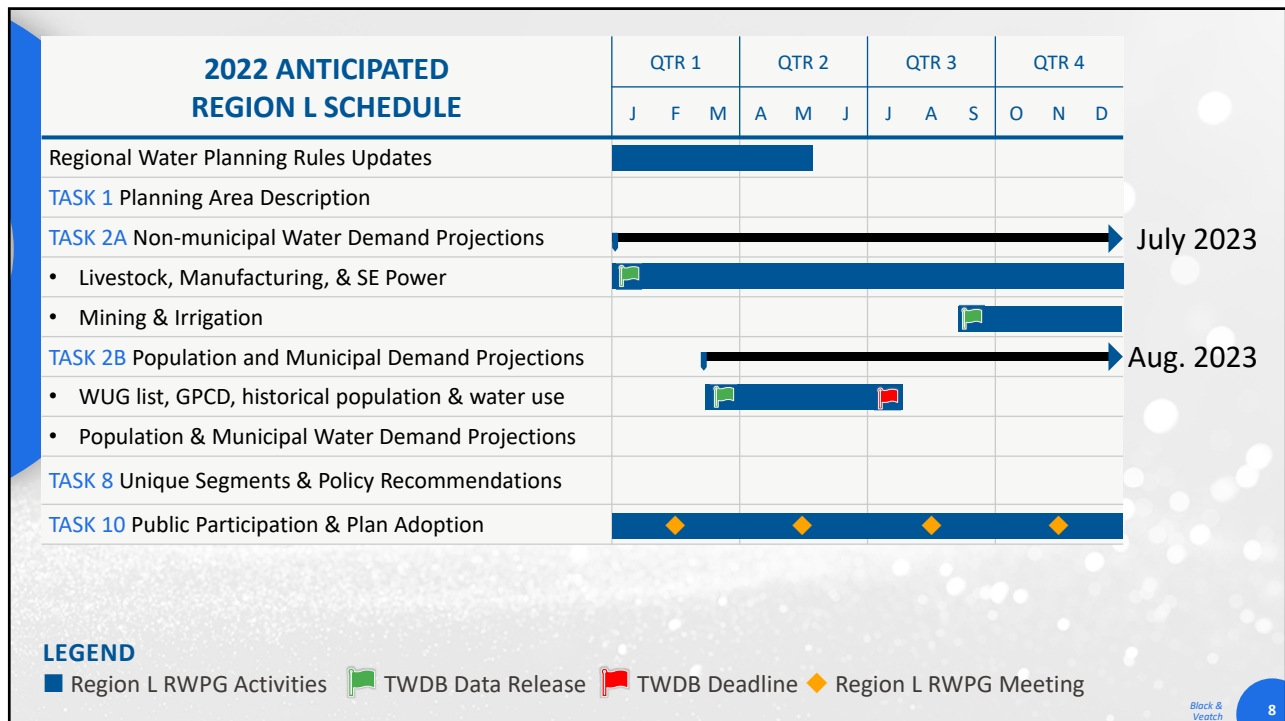
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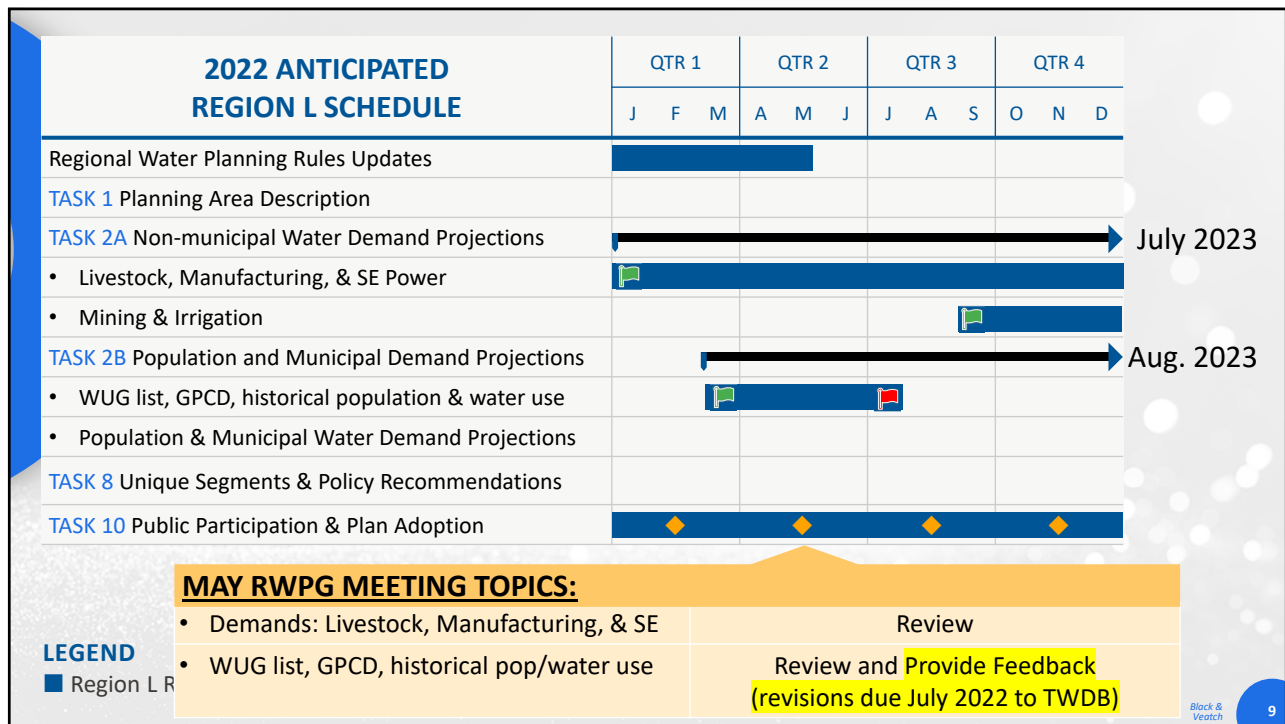
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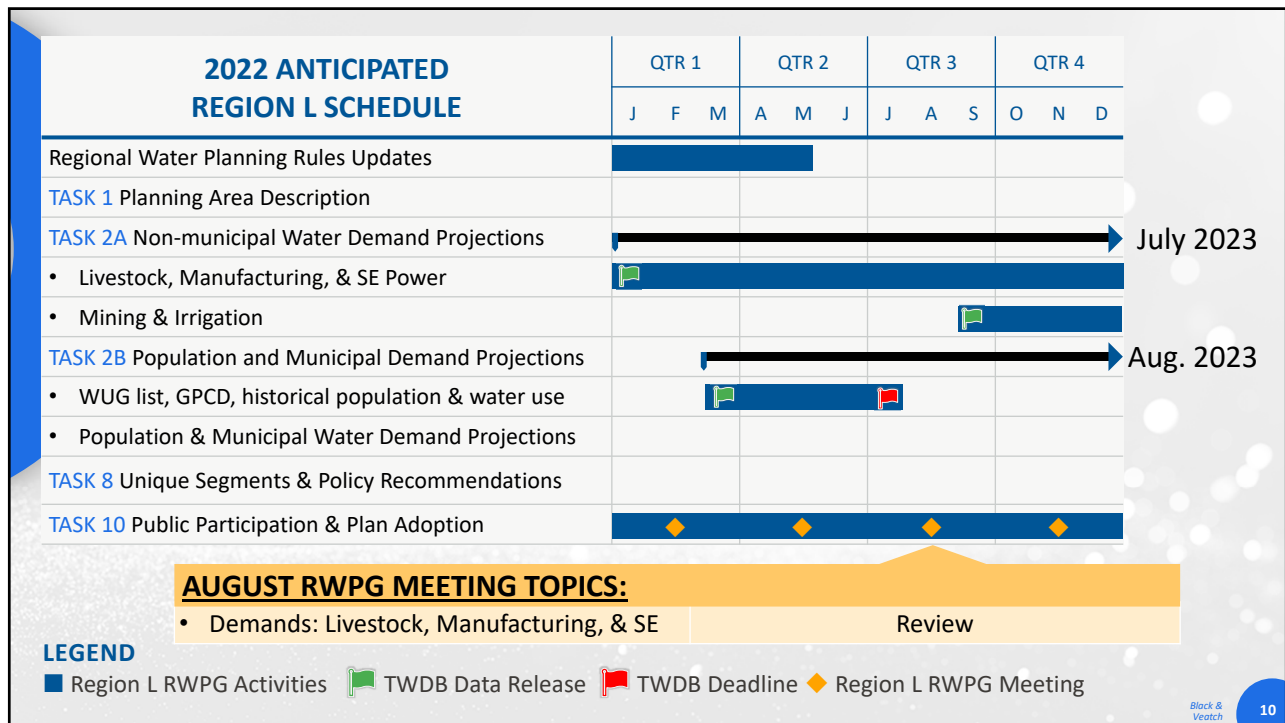
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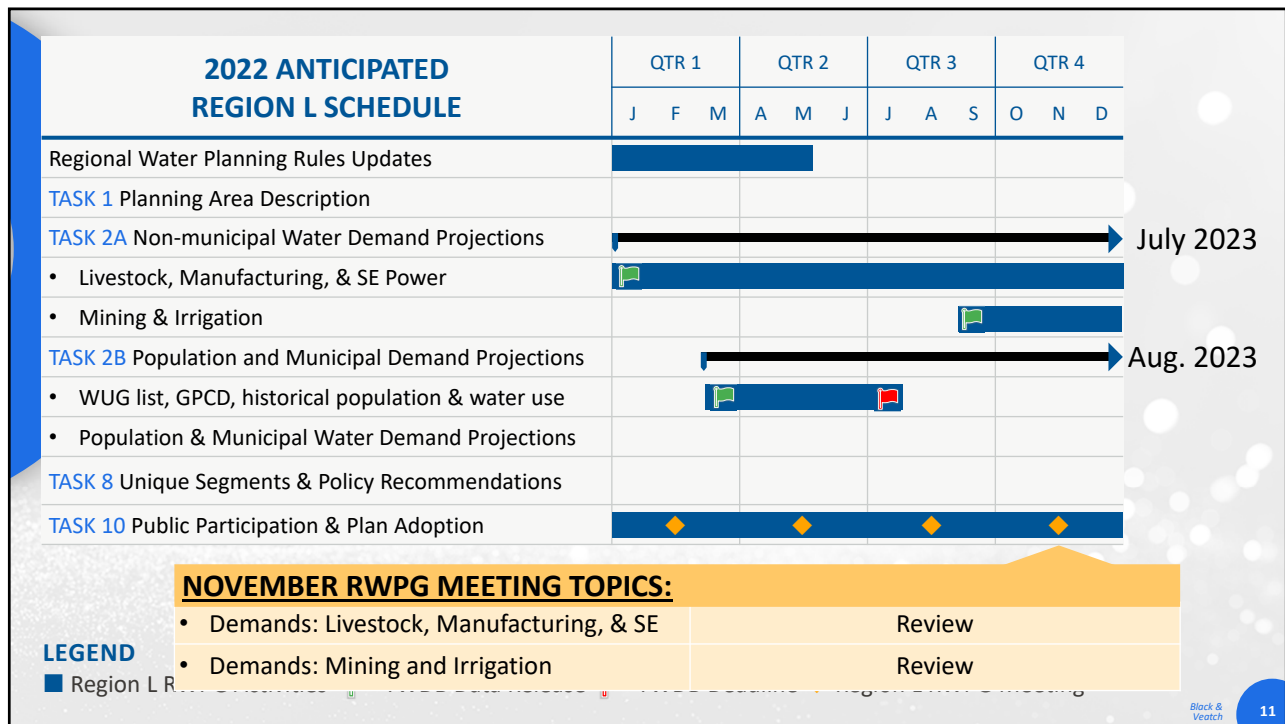
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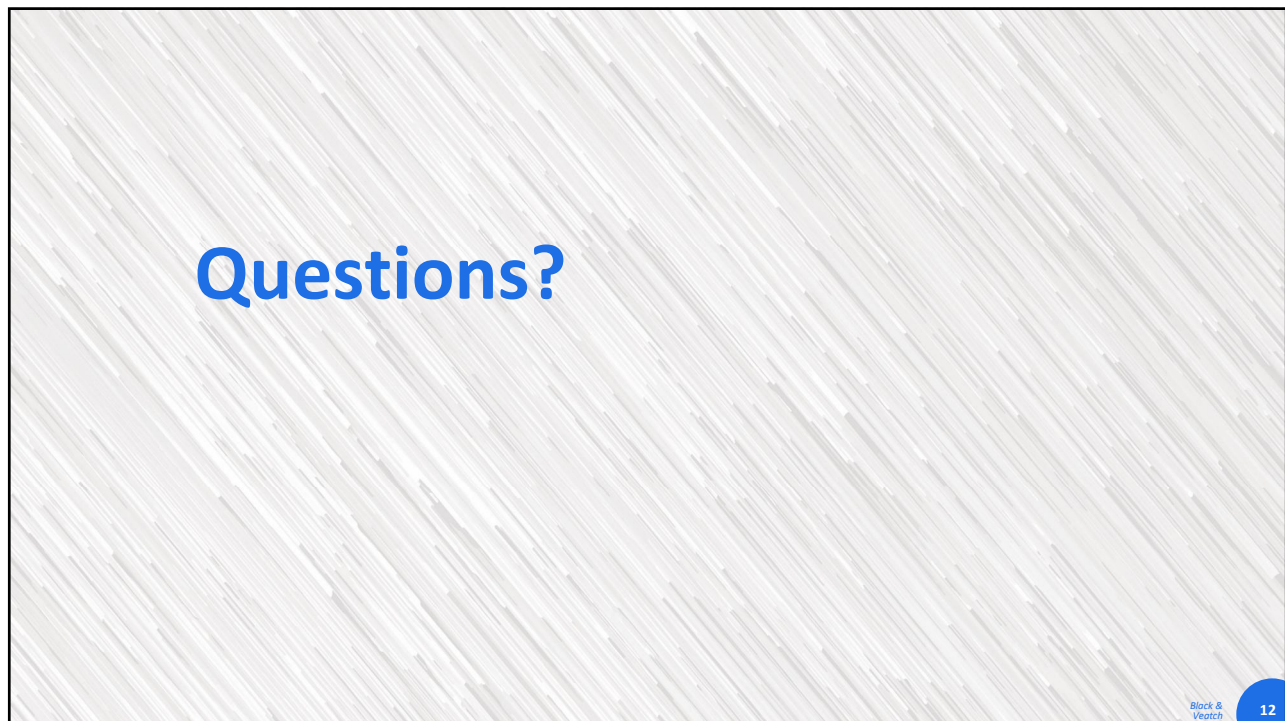
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10. Presentation, Discussion, and Appropriate Action Regarding the Establishment of Subcommittees

Agenda Item 10: Presentation, Discussion, and Appropriate Action Regarding the Establishment of Subcommittees

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2026 Plan Development
Stakeholder Involvement
Public Outreach

COLLABORATIVE WORKGROUPS

- 2026 Plan Enhancement
- Environmental
- Population and Water Demands
- Effluent, Modeling, and Reuse
- Water Mgmt Strategies
- Policy Recommendations

COLLABORATING FOR SUCCESS

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)

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Past Workgroups for 2021 Plan Development

Workgroup Name	Mo/Yr Started	Responsibilities
Environmental Assessment	Apr. 2017	Review, update env. assessment methodology for WMSs and impacts to instream effects and freshwater inflows
Minimum Standards	Apr. 2017	Establish minimum standards for WMS and management supply
Innovative Strategies	May 2017	Establish extent to which innovative strategies should be used (i.e., rainwater harvesting, cloud seeding, desal)
Major Water Providers	Apr. 2018	Designate WUGs or WWPs of significance to RWPG
Effluent, Modeling, and Reuse	May 2017	Consider Hydrologic variance(s), role of reuse within Regional Water Plan
Policy Recommendations	Jul. 2019	Develop Chapter 8 Policy Recommendations Language
Staff Workgroup	2015	"Dress Rehearsal" ~two weeks before RWPG meetings

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POTENTIAL FUTURE Workgroups for 2026 Plan Development

Workgroup Name	Mo/Yr to Start	Potential Additional Responsibilities
Environmental Assessment	Sep. 2022	
Minimum Standards	May 2023	
Innovative Strategies	May 2023	
Major Water Providers	N/A	
Effluent, Modeling, and Reuse	Sep. 2022	
Policy Recommendations	Jul. 2024	
Staff Workgroup	2022	
<u>Population and Water Demands Workgroup</u>	<u>Feb. 2022</u>	<u>Review data releases from TWDB and develop feedback, Stakeholder outreach targeting high-growth areas, & Opportunities for WUG collaboration</u>
<u>Irrigation WMSs Workgroup</u>	<u>Aug. 2022</u>	<u>Develop WMSs that improve volume of Unmet Irrigation Needs, Stakeholder outreach targeting Nueces River Basin, & Opportunities for WUG collaboration</u>

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Discussion.

Consider Establishing
Workgroups

11. Election of Officers for the 2022 SCTRWPG Executive Committee

12. Schedule and Potential Agenda Items for the Next Meeting of the SCTRWPG