Region I

East Texas Regional Water Planning Group

Regional Water Planning Group Meeting

etexwaterplan.org

September 18, 2024

East Texas Regional Water Planning Group Meeting

1. Call to Order
2. Invocation & Pledge of Allegiance
3. Notice of Meeting
4. Roll Call/Determination of Quorum
5. Public Comments

Item 6

Consideration and Approval of the minutes of the February 15, 2024 meeting

Item 7

Reports from City of Nacogdoches

Item 8
Reports of Adjoining Regions' Activity

Region C – David Montagne

Region D – John McFarland

Region H – Scott Hall

Interregional Liaison – Kelley Holcomb

Item 9
Reports from Standing Committees

Executive Committee – John Martin

Finance Committee – Kelley Holcomb

Bylaws Committee – David Alders

Technical Committee – Scott Hall

Nominations Committee – Monty Shank

Item 10

Discussion and possible action to approve recommendations from the Nominations Committee for the appointment of voting members to the East Texas Regional Water Planning Group (ETRWPG)

Item 11

Discussion and possible action to approve Financial Statement and Budget

Item 12

Discussion and possible action to solicit additional members for the Bylaws Committee

Item 13

Discussion and consideration for approval of updates/amendments to the East Texas Regional WPG Bylaws

Item 14

Discussion and potential approval of additional Task 5B scope of work and Notice To Proceed for Plummer

Item 15

Report from Consultant Team with Discussion and Possible Action by Regional Water Planning Group

Today's Discussion

a) Review of 6th Cycle Water Planning Schedule

b) Review of Draft Initially Prepared Plan Chapters:
   i. Chapter 1: Description of the Regional Water Planning Area
   ii. Chapter 2: Projected Population and Water Demands
   iii. Chapter 3: Evaluation of Current Water Supplies in the Region

c) Updates on Water Needs (Task 4)

d) Updates on Water Management Strategies (Task 5B)

e) Updates on Water Conservation, Drought Management, and Reuse in Region I (Task 5C and 7)

f) Updates on Unique Stream Segments, Unique Reservoir Sites, and Legislative Recommendations (Task 8)

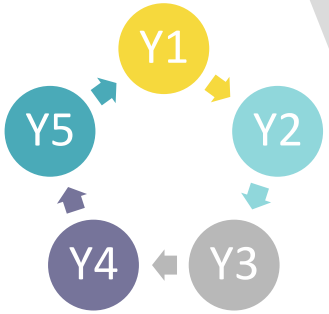
Abbreviations:
TWDB = Texas Water Development Board

Review of 6th Cycle Water Planning Schedule (15a)

Schedule

Sixth Cycle of Regional Water Planning (2026 Regional Water Plans)
Working Schedule (as of March 2023)[A]

Texas Water Development Board



Item	Entity	Activity	Planning SOW Task #
1	TWDB	RFA for regional water planning grant posted and applications due	NA
2	TWDB/RWPG	Initial planning contract execution deadline	NA
3	TWDB/RWPG	Anticipated additional contracting activities	NA
4	TWDB	Regional Water Planning rules update	NA
5	TWDB	TWDB/BEG Mining study	2A
6	RWPG	RWPGs hold pre-planning & coordination meeting (before technical work begins)	10
7	TWDB	Municipal WUG list, GPCD, historical population, and water use released	2B
8	RWPG	Review municipal WUG list, GPCD, historical population, and water use; provide feedback to TWDB	2B
9	TWDB	Draft Livestock, Manufacturing, and Steam Electric Power demand projections released	2A
10	TWDB	Draft Irrigation and Mining projections released	2A
11	TWDB	Draft Population and Municipal demand projections released	2B
12	RWPG	Review draft projections and finalize adjustments with TWDB staff	2A, 2B
13	RWPG	Revision requests for draft non-municipal demands due	2A
14	RWPG	Revision requests for draft population and municipal demands due	2B
15	TWDB	TWDB Board adopts projections	2A, 2B
16	TWDB	DB27 prepared for data entry[B,C]	NA
17	TWDB/RWPG	DB27 individualized training for consultants	NA
18	TWDB	Updated MAGs released	3
19	RWPG	Evaluate water availability and existing water supplies	3
20	RWPG	Identify water needs	4A
21	RWPG	Identify infeasible WMSs in the 2021 RWPs	4B
22	RWPG	Technical Memo due	4C
23	RWPG	Amendments to 2021 RWPs to remove/revise infeasible WMSs	4B
24	RWPG	RWPG adopted amendments to 2021 RWPs to remove/revise infeasible WMSs due to TWDB	4B
25	RWPG	Identify potentially feasible WMSs	5A
26	TWDB/RWPG	Review and negotiate SOW submittals for WMS evaluations and issue notice-to-proceeds[D]	5B
27	IPC	Interregional Planning Council report due to the TWDB	NA
28	RWPG	Initially Prepared Plan due	10
29	TWDB	Socioeconomic Impact Report released to RWPGs	6
30	RWPG	Final Plan due	10

Notes: [A] Estimated timeline based on currently available agency resources and subject to change
[B] DB27 is the updated, online water planning database for the 2027 State Water Plan
[C] Anticipated database availability dates are estimates based on currently available agency resources
[D] Subject to available funding

https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/documents.asp

2026 Plan Short-Term Schedule

Date	Schedules Events/Tasks
March 4, 2024 – March 3, 2025	Prepare and revise Initial Prepared Plan (IPP) Chapters
Nov/Dec 2024 (TBD)	**Technical Committee Call/Meeting**
	Next RWPG Meetings:
Jan 2025 (TBD)	RWPG Meeting: IPP Review
Feb 2025 (TBD)	RWPG Meeting: IPP Approval (2-week notice)

Abbreviations:
RWPG = Regional Water Planning Group TBD = to be determined

Review of Draft Initially Prepared Plan Chapters (15b.i)

Draft Initially Prepared Plan Chapters

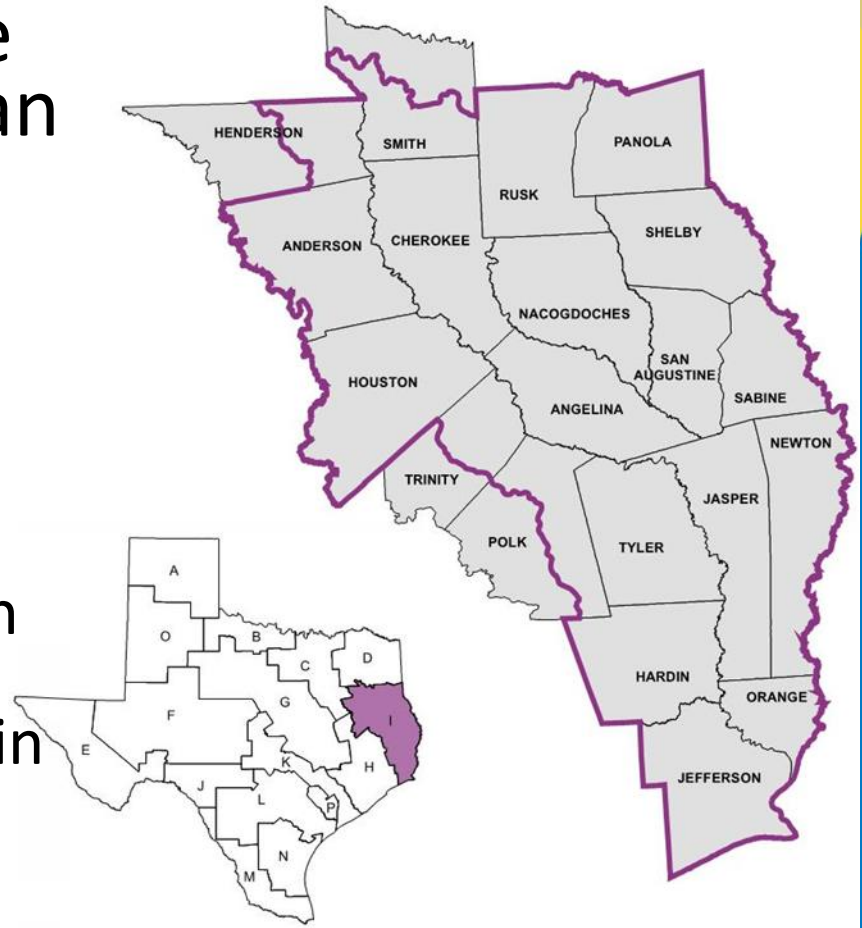
- Chapter 1: Description of the Regional Water Planning Area
- Chapter 2: Projected Population and Water Demands
- Chapter 3: Evaluation of Current Water Supplies in the Region

Status of Chapter Review

- 2 to 4 members have reviewed and provided feedback to Chapters 1 through 3
- Feedback strongly encouraged by the end of October to keep on schedule and minimize subsequent RWPG review meetings

Chapter 1: Description of the Regional Water Planning Area

- 12 major sections or topics that provide context for the 2026 Regional Water Plan
- Major topics in the chapter:
  - Physical description
  - Climate
  - Economic activity
  - Introductions to:
    - ✓Population and water demand (discussed in more detail in Chapter 2)
    - ✓Sources of water (discussed in more detail in Chapter 3)

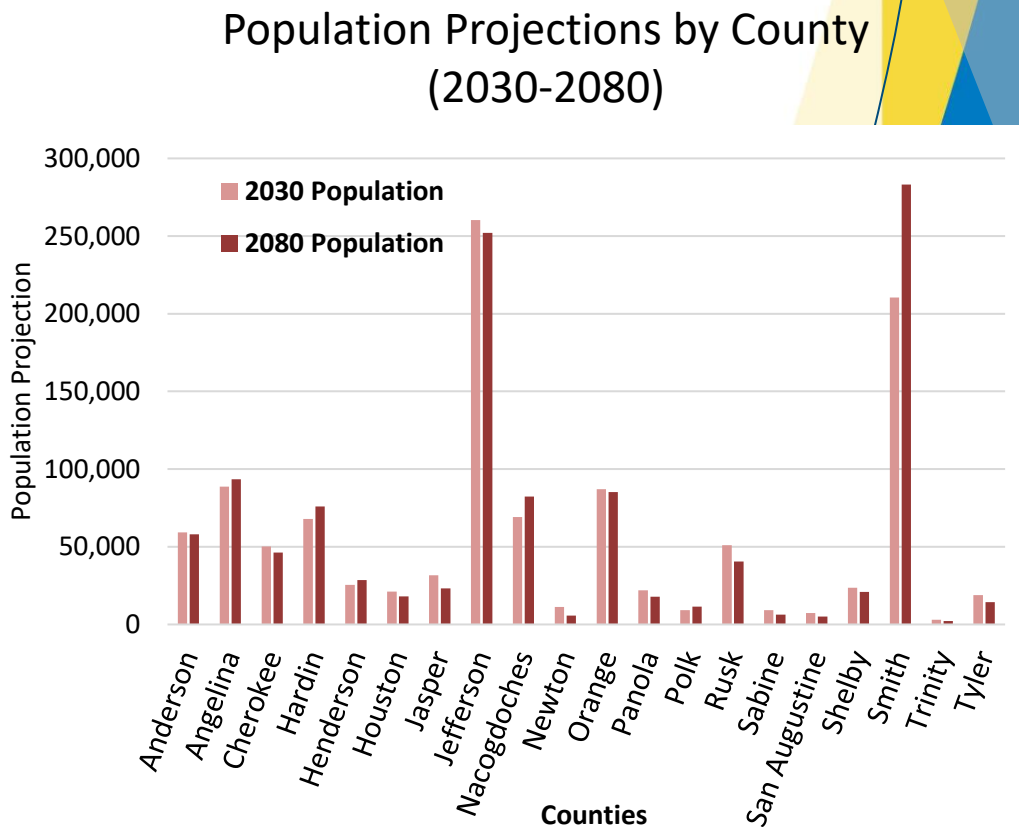


Chapter 1: Description of the Regional Water Planning Area

- Major topics in the chapter (continued):
  - Water user groups and wholesale water providers
  - Agricultural and natural resources and threats
  - Drought of record, drought contingency, water conservation, and water loss
  - Existing local planning efforts

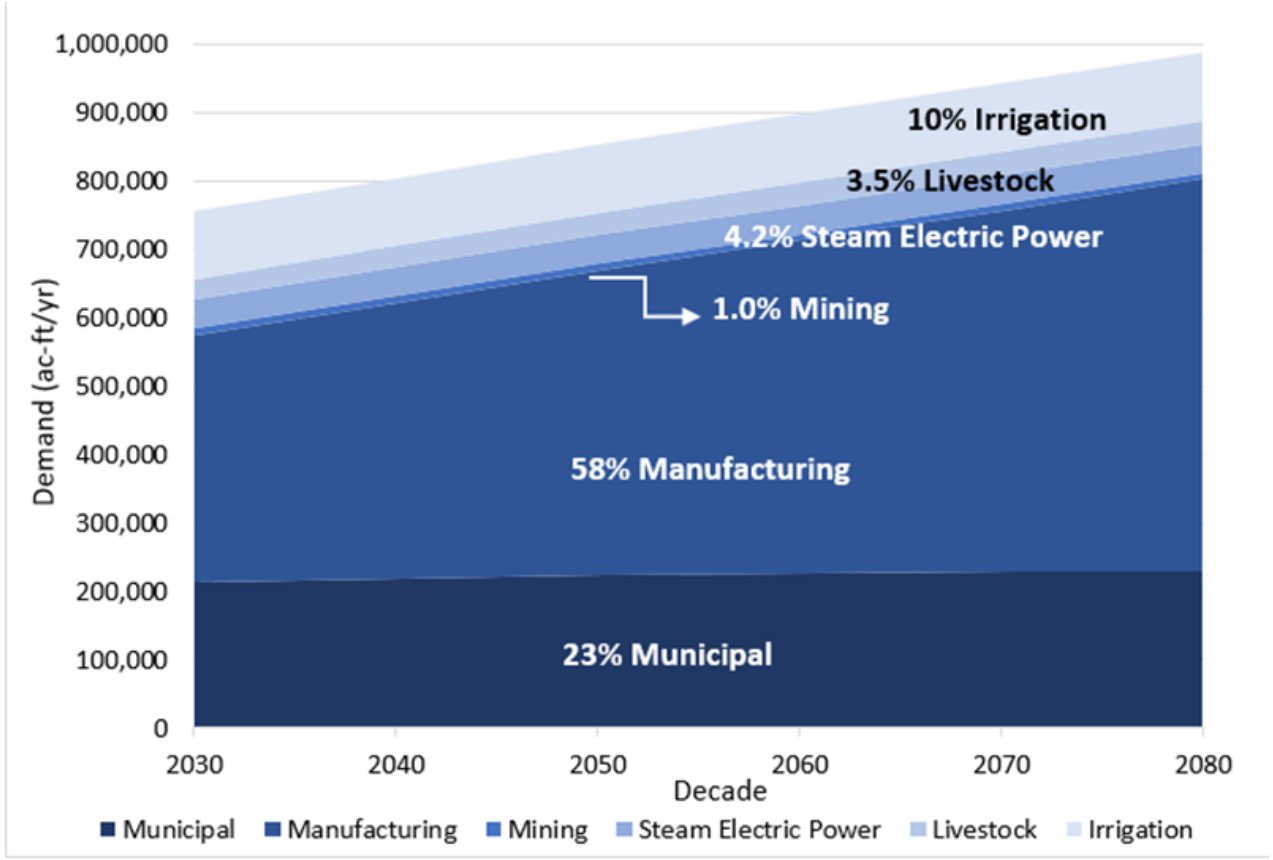
Chapter 2 – Current and Projected Population and Water Demand

- Provides a 50-year outlook on population and water demand for the region
- Population projections are based on the 2020 Census, provided by TWDB
- Major Topics in the chapter:
  - Methodology for updates
  - Growth Projections
  - Demands by Category
  - Sales Between WUGs*
  - Demands for WWPs*



Subjected to change upon coordination with WUG/WMP

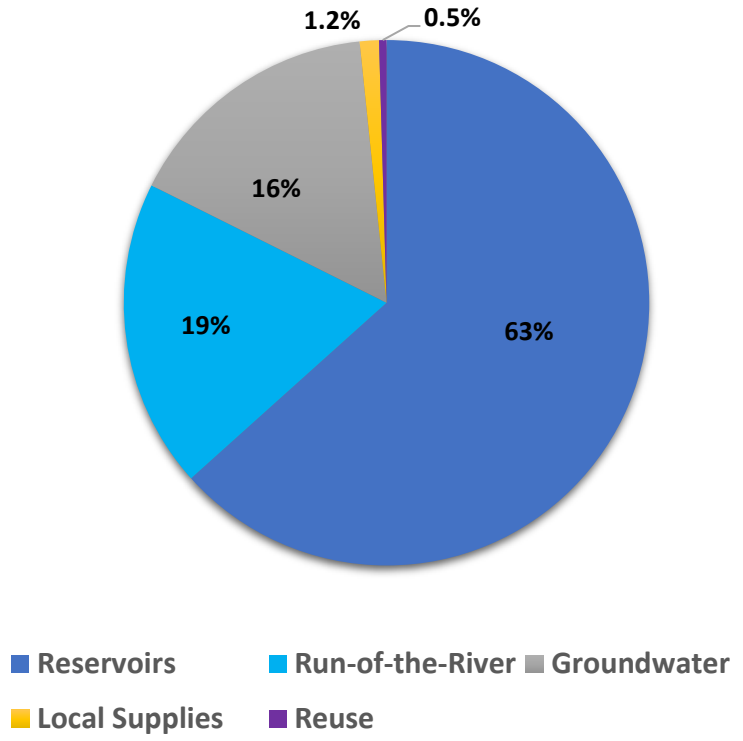
Chapter 2 – Current and Projected Population and Water Demand



Water Usage by Use Category

Chapter 3 – Evaluation of Current Water Supplies in the Region

- Water availability modeling by source
  - Groundwater
  - Surface Water
  - Reuse
  - Water Systems
- Water availability by user
  - Water user groups
  - Wholesale water providers
- Model assumptions and variances

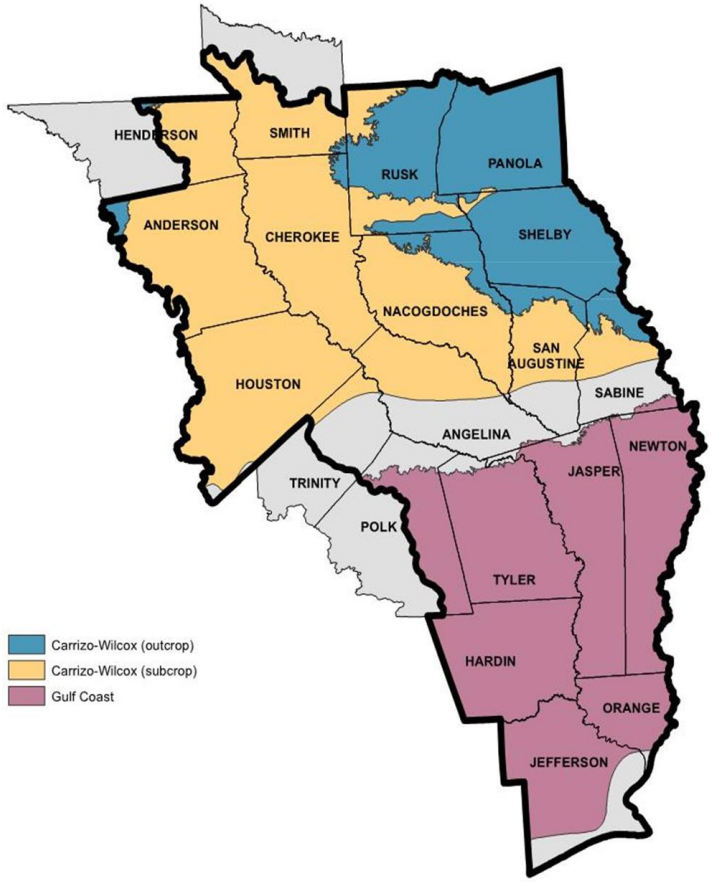


Note: total may not sum due to rounding.

Year 2030 Available Supplies by Source Type

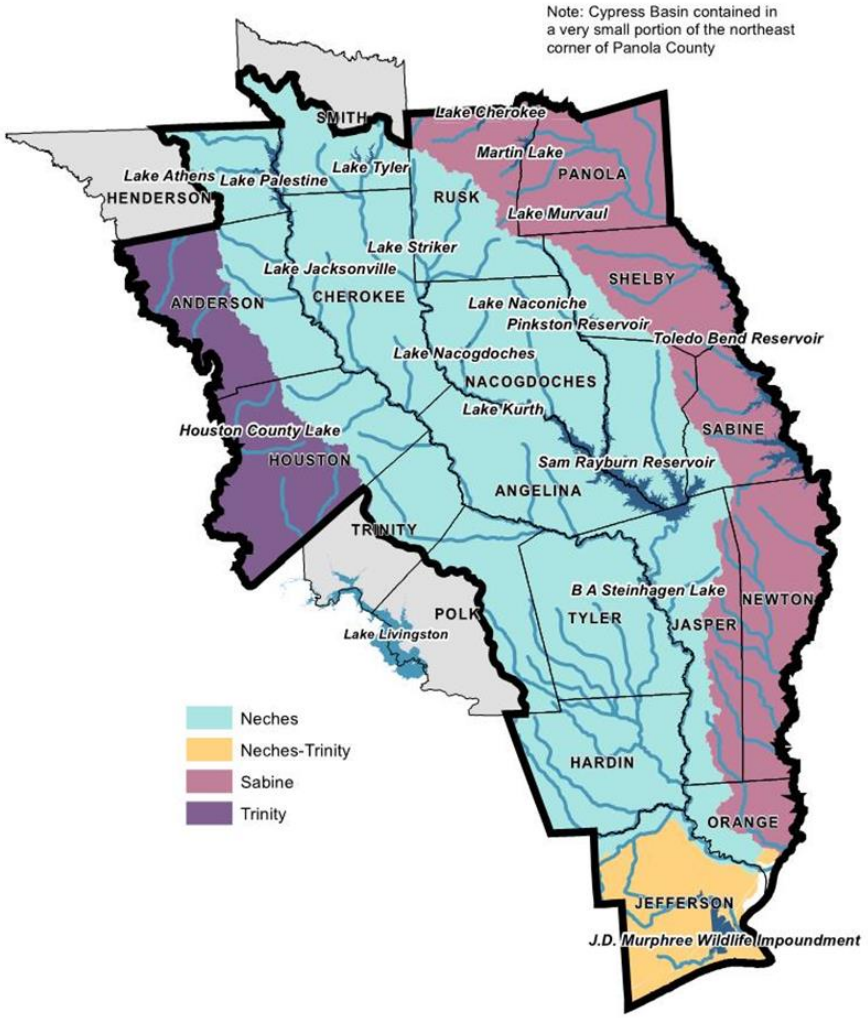
Chapter 3 – Water Availability by Groundwater Source

- Groundwater is very important resource, about 16% of region's supply
  - **Major Aquifers** – Gulf Coast and Carrizo Wilcox – Major Aquifers
  - **Minor Aquifers** – Sparta, queen City and Yegua-Jackson
  - **Non-Relevant** and **Other Local Aquifers**



Chapter 3 – Water Availability by Surface Water Source

- Surface Water is major source of region's supply (82%)
  - Reservoir Supplies
  - Run-of-River Supplies
  - Local Supplies
  - Reuse



Chapter 3 – Water Availability by Surface Water Source – Reuse

- Reuse is a relatively small supply (0.5%).
- **Current:** Direct non-potable reuse only.
- **Planned:** City of Center plans to construct a facility for reuse in 1 MGD in the next 2 to 5 years

Chapter 3 – Water Availability by Surface Water Source – Other Sections

- Impacts on Availability
- *Existing Water Supplies by Water User Group (WUG)
- *Existing Water Supplies by Major Water Provider (WUG)

*Subjected to change upon coordination with WUG/WMP

Updates on Water Needs (15c) - Task 4

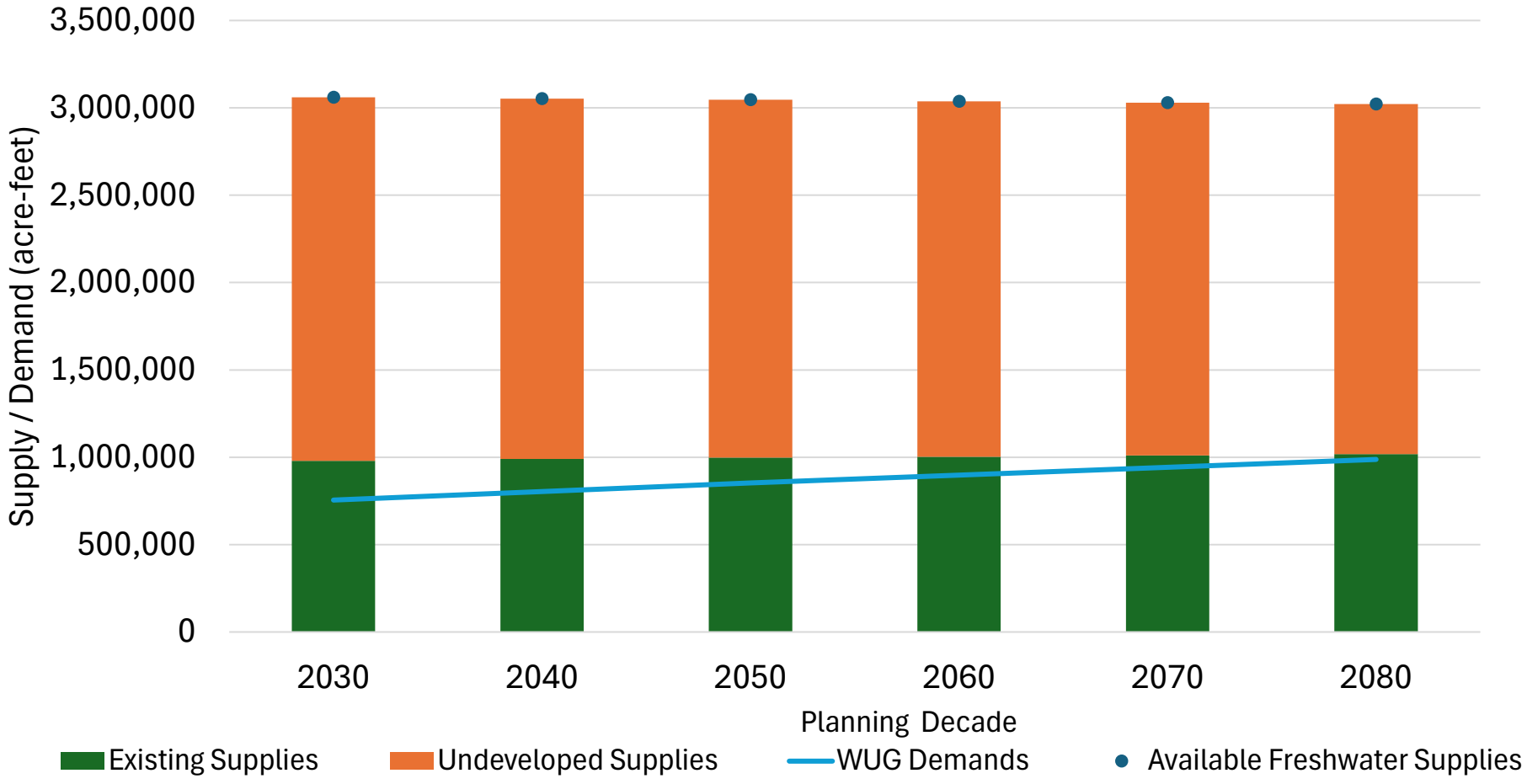
Process Diagram

Identify Demand Projection and Existing Supply

Allocate Existing Supplies to Meet Demands

Remaining Unmet Demand = Needs

Water Supply and Allocation in Region I



**Note: Supply allocations are draft; the numbers above are subject to change.*

Initial List of WUGs with Needs

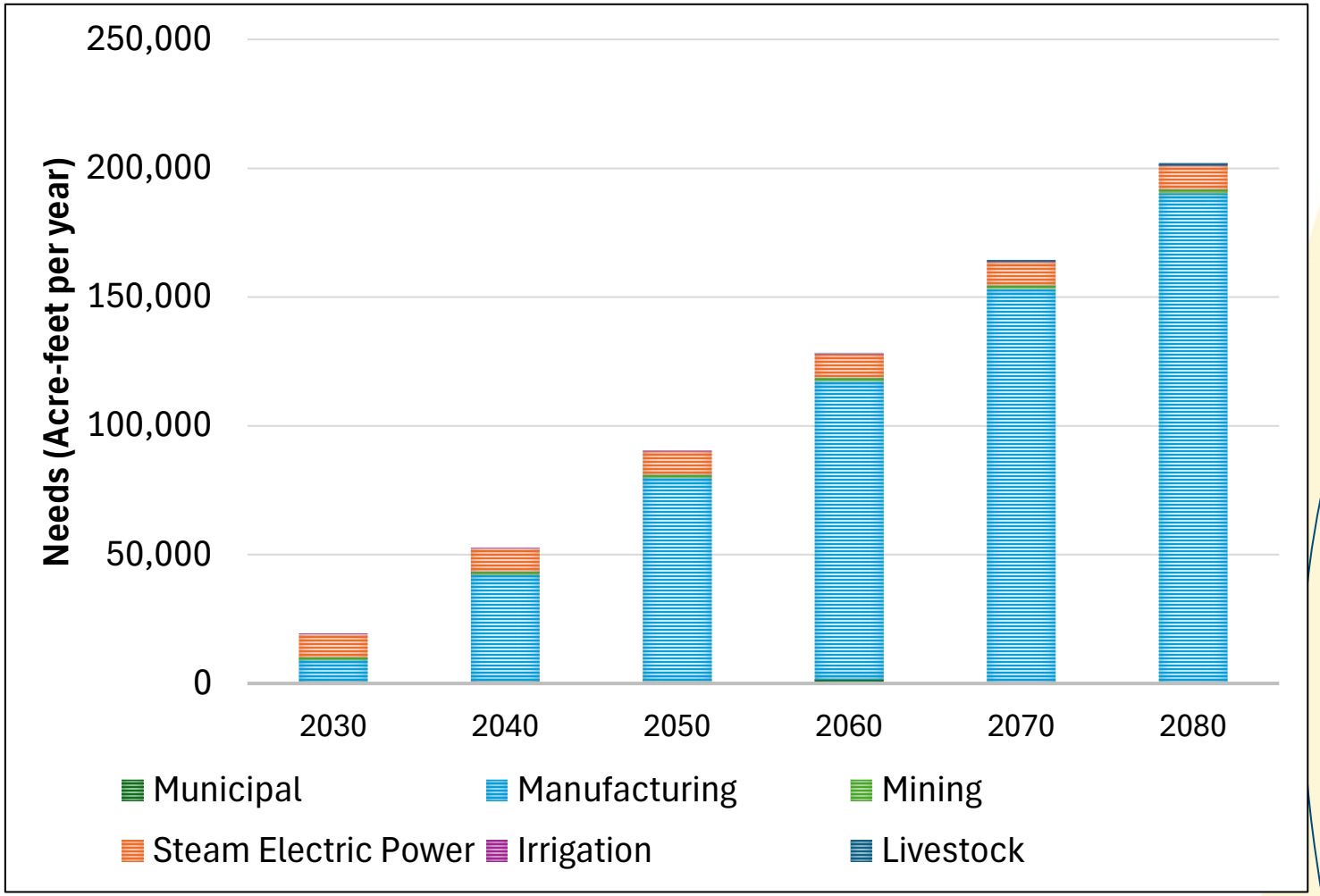
- Total of 14 municipal WUGs out of 190 WUGs with identified needs
  - Coordination with other regions could potentially address some identified WUG needs
- Needs in non-municipal categories for at least 12 counties

WUG Name	County
Alto Rural WSC	Cherokee
Athens*	Henderson
Ben Wheeler WSC*	Smith
Chandler	Henderson
County-Other	Smith
D & M WSC	Nacogdoches
Edom WSC*	Henderson
Elysian Fields WSC*	Panola
Jacobs WSC	Rusk
Liberty Utilities Silverleaf Water*	Smith
Southern Utilities*	Cherokee, Smith
TDCJ Eastham Unit	Houston
Trinity Bay Conservation District*	Jefferson
West Gregg SUD*	Rusk
Irrigation	Trinity
Livestock	Houston, Sabine, Henderson
Manufacturing	Angelina, Jasper, Jefferson, Shelby, Smith, Tyler
Mining	Angelina, Henderson, Smith
Steam Electric Power	Anderson, Henderson, Orange

** A single asterisk next to a WUG's name denotes that the WUG is split by two or more planning regions*

Summary of Needs in Region I

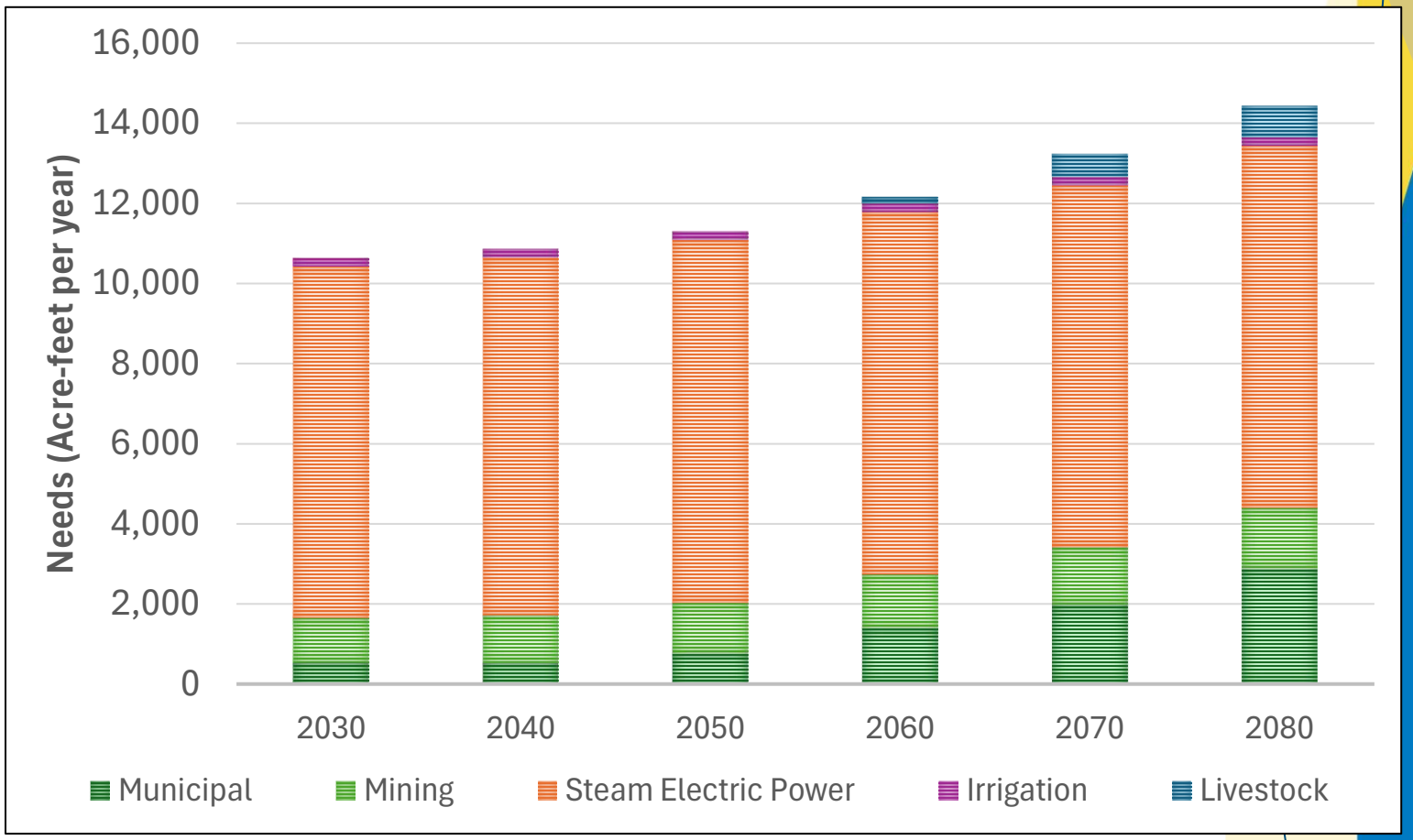
- Needs largely attributed to future manufacturing demand growth (no existing contracts yet)



**Note: Supply allocations are draft; the numbers above are subject to change.*

Summary of Needs in Region I

- Increasing needs for identified municipal WUGs over time
- Needs for new power generation facilities in Anderson and Henderson counties
- Needs for other non-municipal needs are driven by MAG limitations



**Note: Supply allocations are draft; the numbers above are subject to change.*

Updates on Water Management Strategies (15d) - Task 5B

Water Management Strategies

- Coordination and Outreach
- Update Water Management Strategies (WMSs)
- Finalize Cost and Yield

Major Water Provider Outreach

Meeting Completed	Coordination Ongoing
• ANRA • AN WCID #1 • Carthage • Center • Houston Co. WCID #1 • Tyler	• Athens MWA • Beaumont • Jacksonville • LNVA • Lufkin • Nacogdoches • Panola Co. FWSD • Port Arthur • SRA • UNRMWA

Municipal Water User Group Outreach

- Two rounds of e-mail surveys sent to all municipal WUGs
- Follow up e-mails sent to non-responding WUGs, and calls made to WUGs with no e-mail contact info
- 26 responses out of 188 non-county other WUGs received
- Next steps
  - Reach out to the WUGs *with needs* via phone call
  - Coordinate with them via their wholesalers / groundwater conservation districts, as applicable

Rural Entities Outreach

- New requirement this cycle
- Contact information gathered for rural entities that are not designated as WUGs
- A draft survey will be sent out or conveyed via phone call
- Topics:
  - Water sources
  - Potential shortages
  - WMS assistance

Water Reuse
Task 5B

Water Reuse in Region I

- Reported water reuse activity is currently minimal in Region I
- **Current:** Direct non-potable reuse only.
- **Planned:** City of Center plans to construct a facility for reuse of 1 MGD in the next 2 to 5 years
- Discussion on other planned activities

Updates on Water Conservation and Drought Management in Region I (15e) - Task 5C and 7

Water Conservation
Task 5C

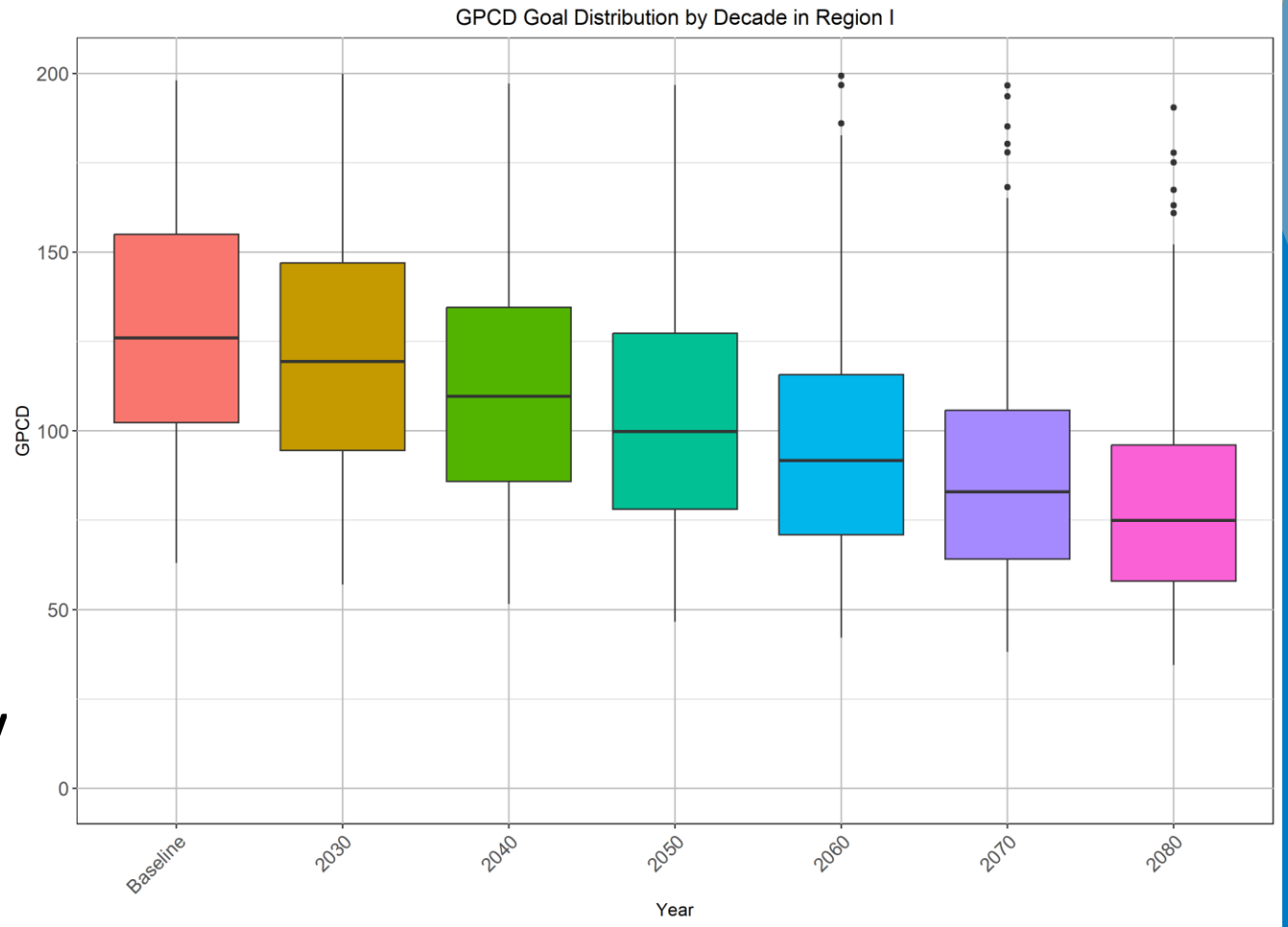
Water Conservation

- Evaluate WUGs' water conservation plans (**WCPs**) and Model WCPs to inform Water Management Strategies (**WMSs**)
  - 12 out of 59 required are received; 4 not-required received.
- Set drought-based **GPCD** goals for municipal WUGs
- Explain **non-recommendation** of conservation WMSs, if applicable
- Determine **highest** practicable water conservation levels for WUGs that have a WMS with an Interbasin Transfer (IBT)
- Develop separate **water loss** mitigation WMS

GPCD = gallon per capita per day

GPCD Goal Recommendation by WCAC

- 1% Annual Compounded Reduction:
  - Achieves a 40% total reduction over 50 years
- Challenges for WUGs:
  - As noted by WCAC, long-term goals may be ambitious for WUGs already using water efficiently



WCAC = Water Conservation Advisory Council

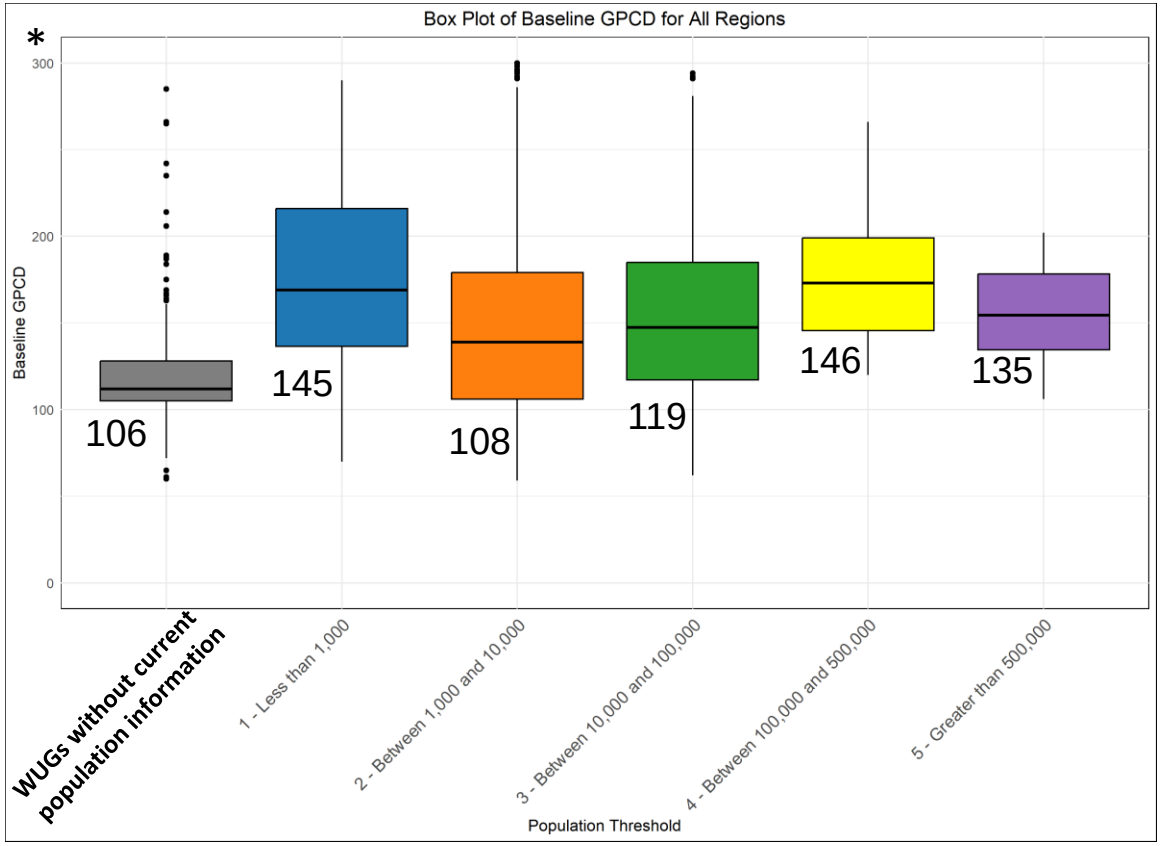
Drought-based GPCD Goal Approach

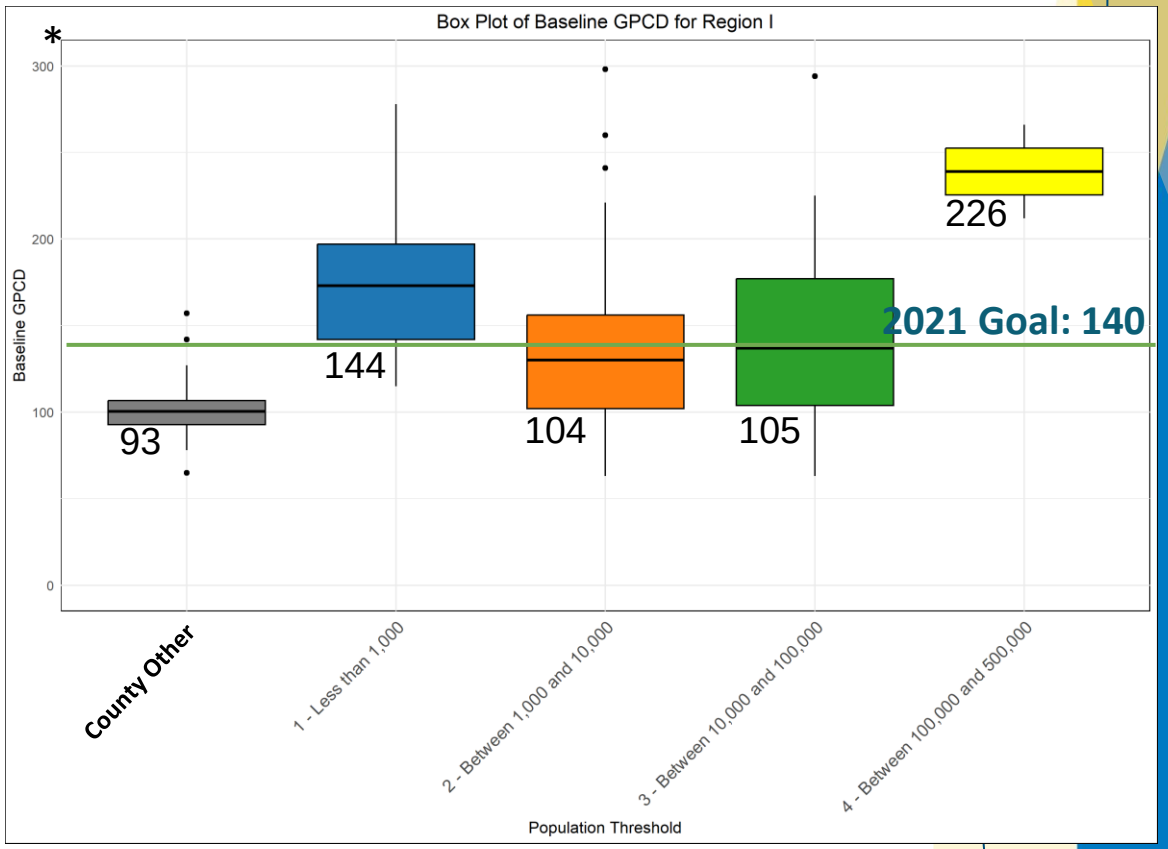
- Categorize municipal WUGs and determine their associated GPCD thresholds
- Identify conservation package
- Quantify conservation saving and set associated GPCD Goals

GPCD Threshold for Conservation Recommendation

- Previous threshold from the 2021 Plan: 140 GPCD
- Baseline GPCD by Population Group
  - **Smaller utilities:** rural areas, fewer conservation resources, larger lawns
  - **Mid-size utilities:** primarily residential, less commercial/industrial activity
  - **Larger utilities:** more commercial/industrial activity, higher commuter population

Relative Distribution of the Baseline GPCDs





** GPCD y axis cap at 300.*

GPCD Threshold for Conservation Recommendation

Category	25th Percentile	GPCD Threshold
County Others	93	N/A
1 - Less than 1,000	144	N/A
2 - Between 1,000 and 10,000	104	104
3 - Between 10,000 and 100,000	105	105
4 - Between 100,000 and 500,000	226	140

- Conservation not recommended for:
  - Small utilities (less than 1,000 population) and county other WUGs due to lack of resources
  - WUGs with a baseline GPCD below GPCD threshold
    - ✓ 25th percentile of the GPCD distribution by population category
    - ✓ Consistent with the 2021 Plan, cap at 140 GPCD

Conservation Package Recommendation

- Recommended Water Conservation Package for municipal WUGs that meet these criteria:
  - Total water demand **exceeds** existing **supply**
  - Per capita demand surpasses **thresholds**
  - Measure is **not already implemented**
  - Measure is **applicable** to the WUG
  - A sponsor is **available** for implementation
- The package is accessible to all WUGs, with flexibility to select appropriate programs.
- GPCD reductions will only be applied to WUGs meeting criteria for conservative estimates.

Note: Implementation of the recommended programs is at the WUGs' discretion.

Water Conservation Strategies from the 2021 Plan

- BMP 3.1 – Water Conservation Pricing
- BMP 4.2 – System Water Audit and Water Loss Control
- BMP 6.0 – Education and Public Awareness Program

Move from the Conservation Package to a separate water loss mitigation WMS

BMP = Best Management Practice from TWDB

Next Steps

- No new conservation strategies are recommended for this cycle
- A similar approach to the 2021 Plan will be used to quantify water savings and GPCD goals

Drought Management
Task 7

Chapter 7: Drought response information, activities, and recommendations - Outline

1. Drought(s) of Record
2. Uncertainty and Drought(s) Worse than Drought of Record [NEW]
3. Current Drought Preparations and Response
4. RWPA Drought Response Triggers & Actions

Discussion Items

5. Existing and Potential Emergency Interconnects
6. RWPG Drought Management WMS
7. Emergency Responses to Local Drought Conditions or Loss of Water Supply
8. Other Drought-Related Considerations and Recommendations
9. Region-Specific Model Drought Contingency Plans (DCPs)

Drought(s) of Record

- Drought(s) of Record (DOR) from 2021 Plan
  - 1950s Drought as the DOR for the State
  - Evaluation for Region I
    - ✓Palmer Hydrological Drought Index (PHDI)
      - Late 2010 through early 2012
    - ✓Water Availability Modeling
      - 1950s, 2010s (Neches Basin only)
- Approach for this cycle:
  - Perform similar evaluation

Uncertainty and Drought(s) Worse than Drought of Record (DWDOR)

- Newly required section in this cycle
- Section should address the following components:
  - Planning for Uncertainty
    - ✓Baseline demand reflective of dry year conditions
  - Existing Measures for Preparation of the DWDOR
    - ✓Management Supply Factor
    - ✓Drought management measures outlined in DCPs
  - Potential Additional Measures for DWDOR Resilience
    - ✓Emergency interconnects and/or interim emergency purchases
    - ✓Drought Planning Survey Results[1]

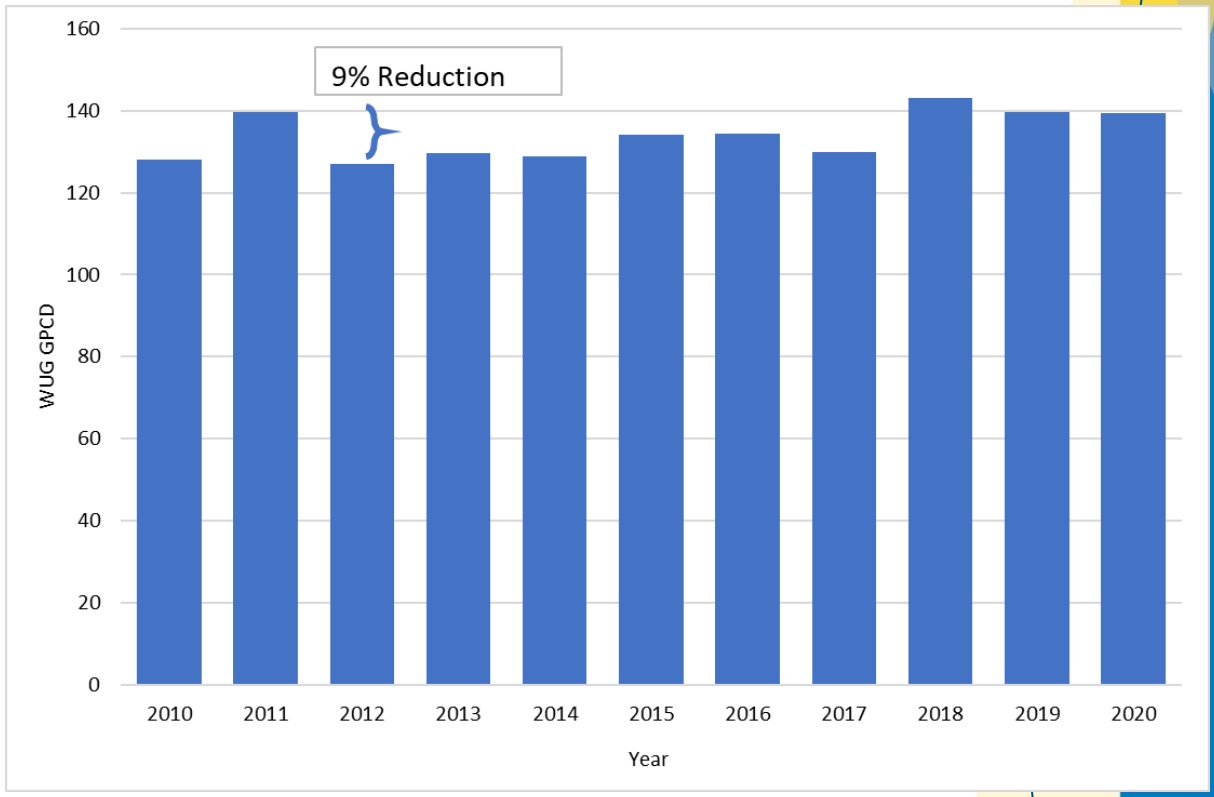
https://savetexaswater.org/resources/doc/TAWWA-Drought-Survey-Summary-of-Findings_DRAFT1.pdf

Management Supply Factor

- **Management Supply Factor (MSF):** Ratio of total existing and recommended water supplies to total decadal water demand.
- **MSF > 1.0:** Indicates surplus projected supplies.
  - Most MWPs in Region I have MSFs >1 in the 2021 Plan
- **MSF < 1.0:** Indicates a deficit or unmet need.

Response to the 2010s Drought for Region I WUGs

- Achieved a 9% reduction from 2011 to 2012 on average, which is smaller than many regions across Texas
  - Likely due to ample supply in Region I
- Stabilizing GPCD trend indicates the challenge of achieving a similar magnitude of reduction
- Baseline demand reflective of dry-year demand provides a buffer for supply planning



Sources: TWDB provided spreadsheet dated March 2022 (CORRECTED - WUG_HistoricalData_2026RWPs.xlsx)

RWPA Drought Response Triggers & Actions

- Requirement:
  - Identify triggers and actions by sources (surface water and groundwater)
  - Identify the source manager
- Approach from Previous Cycle:
  - Reservoir: Managed by entities holding majority of water rights
  - Run-of-River and Groundwater: U.S. Drought Monitor and PHDI
- Discussion on approach this Cycle

2021 Region I Plan used the entities holding majority of water rights' DCPs to inform the reservoirs' drought triggers and actions.

Review Recommendations from 2021 Plan

- 7.2.2 Region I offers recommendations to address discrepancies in DCPs for WUGs that share the same water sources.
- 7.7 Region I supports promoting demand management during droughts but emphasizes it should not be considered a WMS.

Updates on Unique Stream Segments, Unique Reservoir Sites, and Legislative Recommendations (15f) - Task 8

Legislative Recommendation

Category	Status of the 2021 Plan Recommendation	Proposed for the 2026 Plan
Ecologically Unique River and Stream Segments	Vote not to recommend any stream segments in the region for unique status.	
Unique Sites for Reservoir Construction Policy and Legislative Recommendations	11 new sites proposed for unique designation, **none accepted.** •Ponta •Rockland Reservoir •Big Cow Creek •Bon Wier •Carthage Reservoir •Kilgore Reservoir •Rabbit Creek •State Hwy. 322, Stage I •State Hwy. 322, Stage II •Stateline •Socagee	
Policy and Legislative Recommendations	• Flexibility in Determining Water Plan Consistency (some changes – funding for small utilities is available) • Continued State Funding for RWP (accepted) • Unique Reservoir Designation (accepted) • Water reuse (a few changes in legislation) • State Funding (some changes)* • Uncommitted Surface Water (no change in legislation) • Standardized Processes for Regional Water Plan Development (not accepted)* • Funding for Additional Groundwater Modeling (Recommendation supported by EDF) • Clarification of Unique Stream Segment Criteria (no change in legislation) • Recommendations Regarding Water Management Strategy Prioritization (updates not available)* • Allow Groundwater Supplies to Exceed the Modeled Available Groundwater (not accepted)	

EDF = Environmental Defense Fund

*To be confirmed

Status of Legislative Recommendation

- A survey has been drafted and will be sent to the RWP.

Item 16
Reports from other state agencies

a) Texas Water Development Board – Lann Bookout & Scott Galaway
b) Texas Department of Parks & Wildlife – Stephen Lange
c) Texas Department of Agriculture – Manuel Martinez
d) Texas Soil and Water Conservation Board – Trey Watson
e) Groundwater Management Areas – John Martin/John McFarland

Texas Water Development Board – Lann Bookout

Plans are approved by the Texas Water Development Board in 2026. This is a working tool primarily for use by RWPG consultants and is not meant for general widespread consumption.

Description:

These maps show preliminary working water supply needs (potential shortages) and surpluses at the split Water User Group (WUG) level. WUG needs and surpluses are calculated by deducting the projected WUG demand associated with the WUG split from its total existing WUG supply for each planning decade. Values presented are in acre-feet per year.

The Brackish Aquifer Sample Area layer was developed using data from the TWDB Groundwater Database. It represents areas where there are water quality samples of 1,000-9,999 mg/L TDS. The Brackish Aquifer Sample Area layer does not reflect official major and minor aquifer boundaries. Additionally, there is no explicit association between this layer and areas with modeled available groundwater or in-place brackish groundwater volumes from completed BRACS studies. The Brackish Aquifer Sample Area layer is included in the map to facilitate potential exploration of regionalized brackish groundwater systems. For more information on completed BRACS studies, please visit www.twdb.texas.gov/groundwater/bracs/studies.asp.

Click to activate the maps:

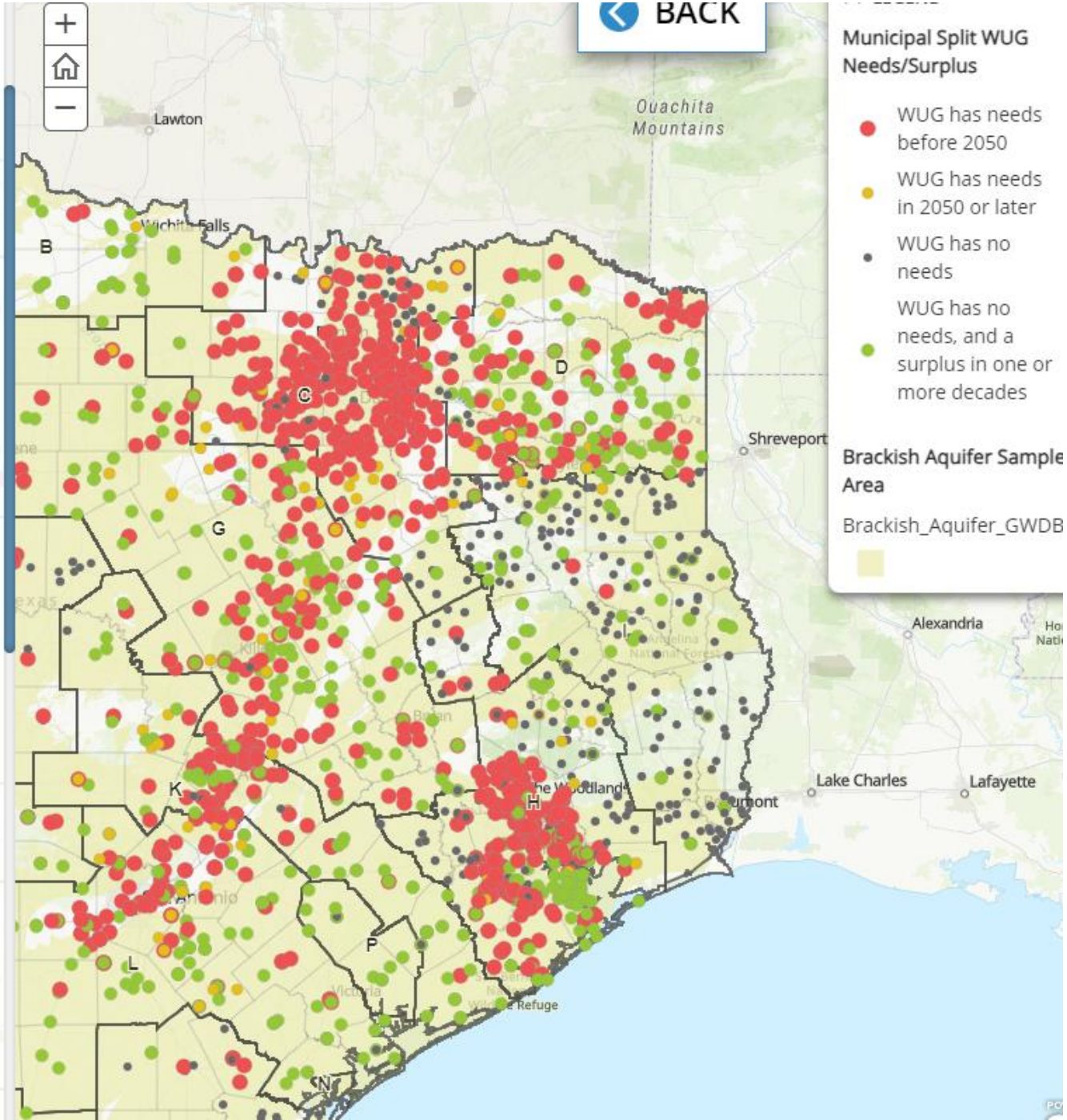
Municipal WUG Needs/Surplus' Map

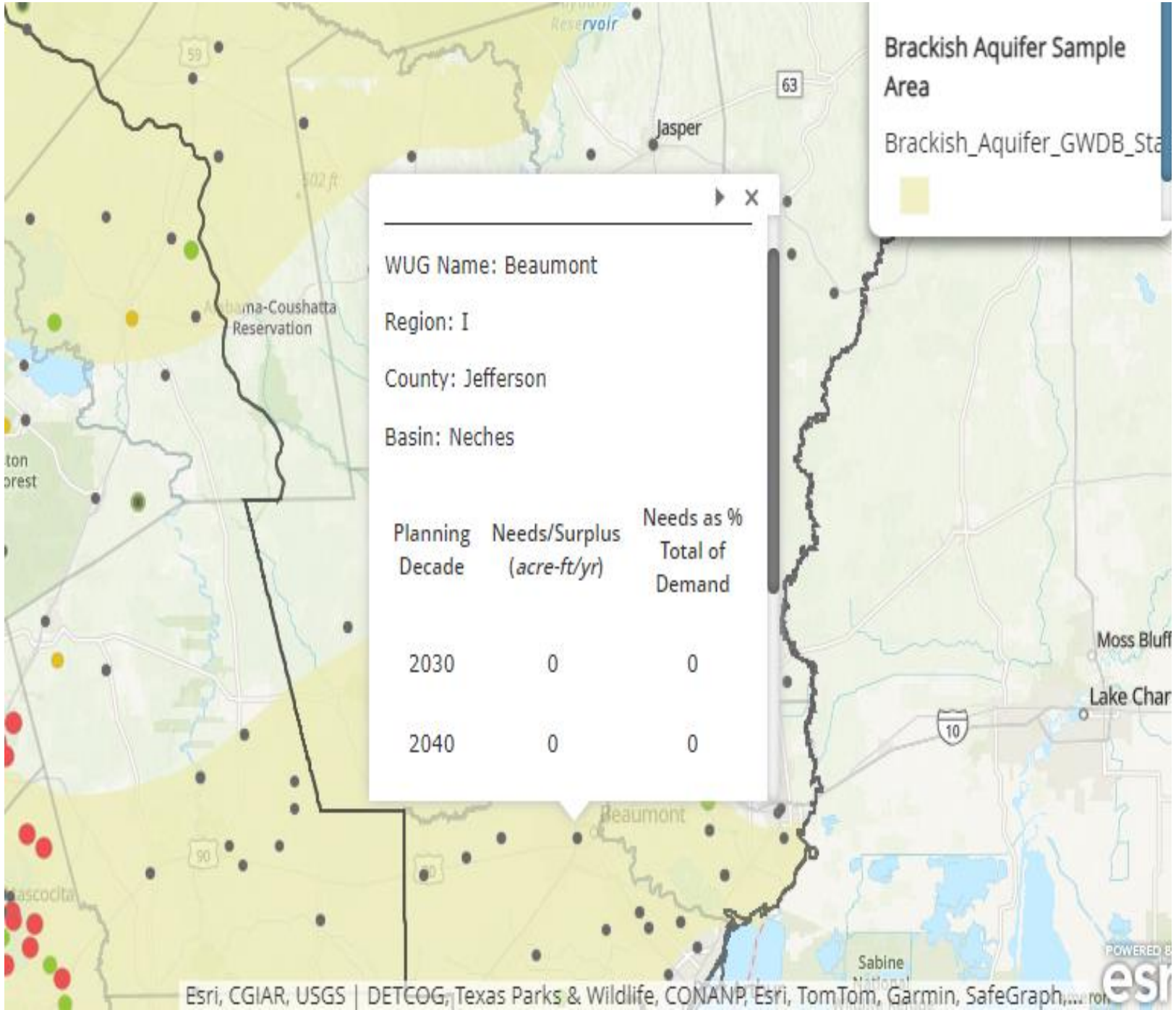
Non-Municipal WUG Needs/Surplus' Map

Data may take a few seconds to load.

How to use the maps:

Please be aware that points may appear stacked on top of each other. The 'Next Feature' arrow button at the top of a popup can be used to view the information related to points that are stacked beneath the top points.




Brackish Aquifer Sample Area
Brackish_Aquifer_GWDB_Sta
WUG Name: Beaumont
Region: I
County: Jefferson
Basin: Neches
Planning Decade
Needs/Surplus (acre-ft/yr)
Needs as % Total of Demand
2030 0 0
2040 0 0
Jasper
Beaumont
Moss Bluff
Lake Char
Sabine
Esri, CGIAR, USGS | DETCOG, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph,...

escription:

ese maps show preliminary working water supply needs (potential shortages) and rpluses at the split Water User Group (WUG) level. WUG needs and surpluses are culated by deducting the projected WUG demand associated with the WUG split m its total existing WUG supply for each planning decade. Values presented are acre-feet per year.

e Brackish Aquifer Sample Area layer was developed using data from the TWDB oundwater Database. It represents areas where there are water quality samples 1,000-9,999 mg/L TDS. The Brackish Aquifer Sample Area layer does not reflect icial major and minor aquifer boundaries. Additionally, there is no explicit sociation between this layer and areas with modeled available groundwater or in-ace brackish groundwater volumes from completed BRACS studies. The Brackish uifer Sample Area layer is included in the map to facilitate potential exploration of gionalized brackish groundwater systems. For more information on completed ACS studies, please visit www.twdb.texas.gov/groundwater/bracs/studies.asp.

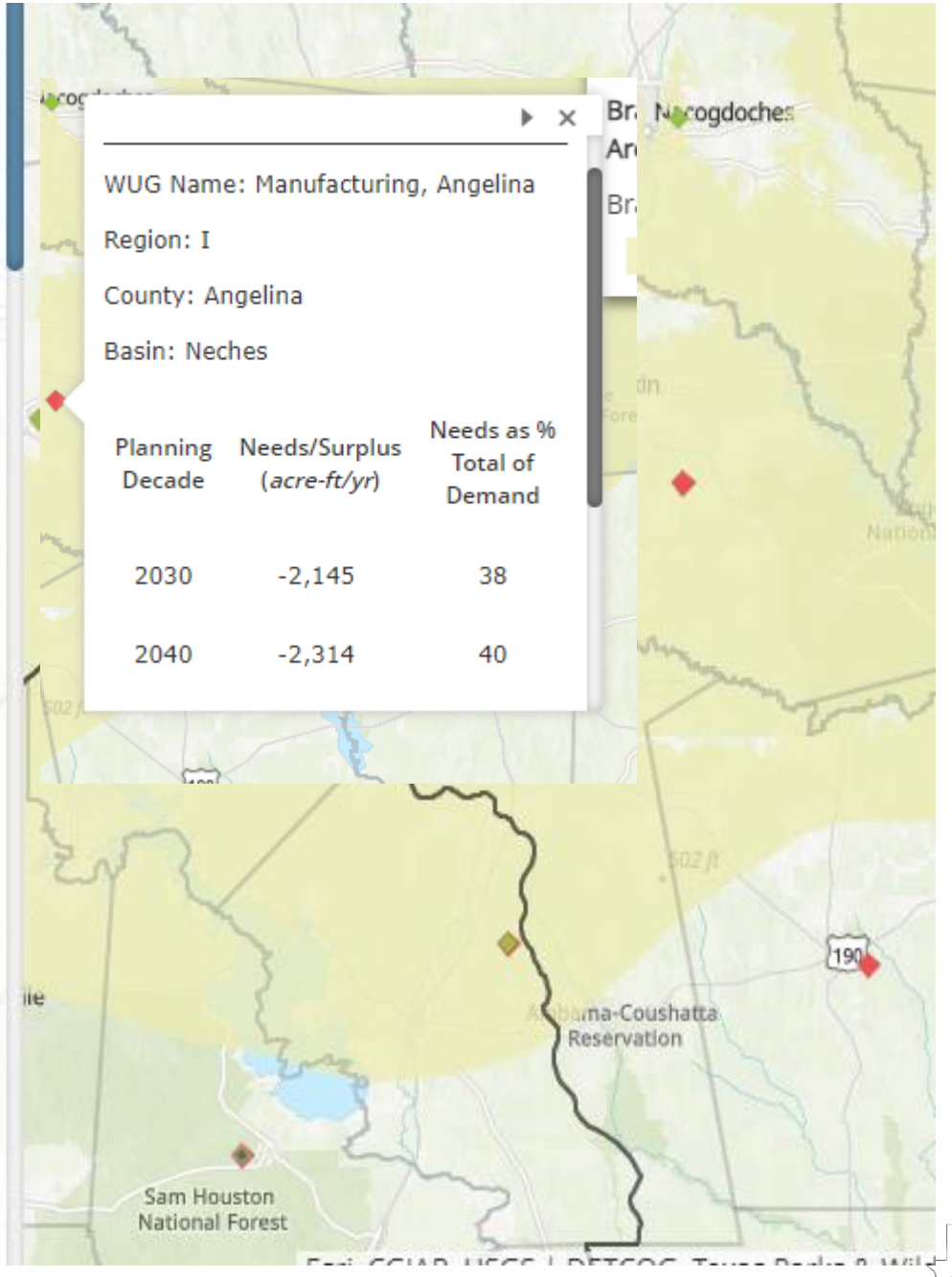
ick to activate the maps:

Municipal WUG Needs/Surplus' Map

Non-Municipal WUG Needs/Surplus' Map

ta may take a few seconds to load.

ow to use the maps:



2026 RWP Water Supply Needs/Surplus Map – see 7/2 email - Draft 2026 Regional Water Plan Water Supply Needs/Surplus Map.

https://twdb.maps.arcgis.com/apps/MapSeries/index.html?appid=383ac05ff15b4e2694a21f2442d14a7d

Data Reported to TWDB

Report	Data Reported	Examples of How RWPGs Can Use This Data
Water Use Survey	• Monthly volumes of water intake sources • Percentage treated • Annual volumes of water sold • Retail population • Number of retail service connections • Distribution, connection count, and volume sold by customer classification	• Analyze recent trends in water use • Indicate or correct suspect water use for future accuracy of demand projections
Water Loss Audit	• Water utility information • System input volumes by source • Population and connections served • Length of main lines • Volume of water treated for distribution • Meter accuracy • Volume of authorized consumption • Volume of water lost due to breaks and leaks • Retail price of water • Variable production cost of water • Assessment validation for audit components	• Review water loss audit data including regional water loss balance reports • Describe water loss audit information for the region in Chapter 1 of the RWP • Analyze water loss trends and consider strategies to address issues • Compare reported real and/or apparent water loss to performance indicators when evaluating water loss mitigation strategies • Use reported number of connections in meter replacement estimates • Use reported length of main lines in line replacement estimates

Data Reported to TWDB

Report	Data Reported	Examples of How RWPGs Can Use This Data
Water Conservation Plan	• Utility profile • 5 and 10-year goals in GPCD • Schedule for implementing the plan • Method for tracking targets and goals • Production meter(s) • Specific conservation measures or BMPs included in the conservation program • Documentation of RWPG notification	• Develop WUG-specific conservation strategies based on conservation measures or BMPs included in an associated WCP • Summarize the number and types of measures and BMPs reported in WCPs • Summarize utility 5 and 10-year total GPCD goals and consider when setting RWPG GPCD goals
Water Conservation Plan Annual Report	• System data: number of connections and gallons of metered retail water use by customer category • Water use: input volumes, authorized consumption, and water losses • BMPs implemented & estimated gallons saved • Leaks detected and meter testing/repair • Total, residential, and water loss GPCD and water loss percentage	• Review and consider trends in utility annual total GPCD • Review details of BMPs implemented and estimated gallons saved to inform conservation water use reduction and water loss mitigation strategies • Summarize BMP implementation and results (gallons conserved, gallons reused, meters tested, and leaks repaired) in the RWP

TWDB Conservation Information Dashboard for Water Supply Planning

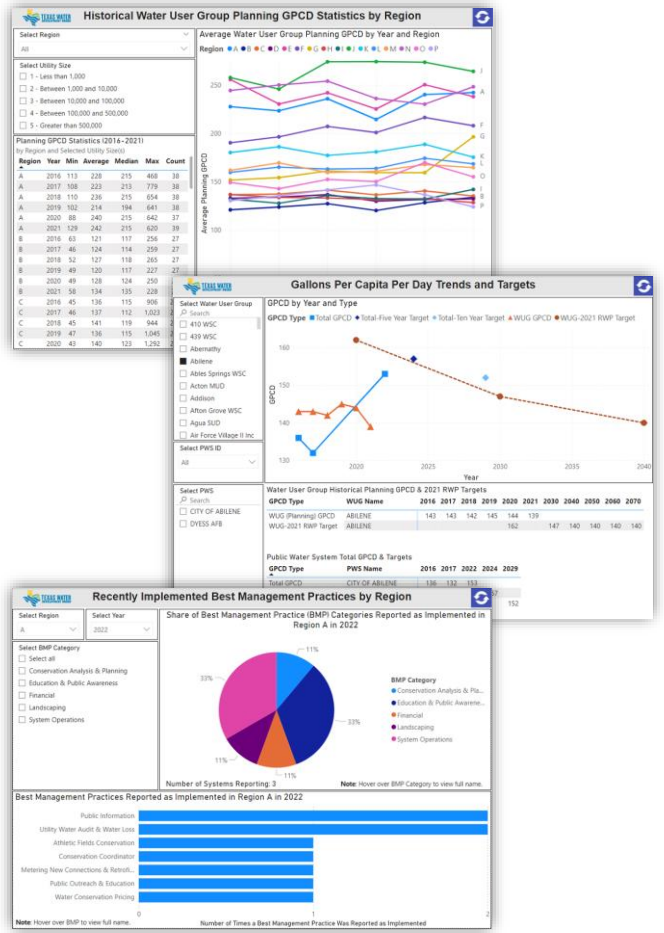
Historical WUG Planning GPCD Statistics by Region

Water Use, Loss, and Conservation Reporting Requirements

GPCD Trends and Targets

Municipal Conservation BMPs & Recommended Projects

Recently Implemented BMPs by Region



https://www.twdb.texas.gov/waterplanning/data/dashboard/conservation.asp

County	Associated Region(s)
Kerr	Region J
Kinney	Region J
Real	Region J
Val Verde	Region J
Bastrop	Region K
Blanco	Region K
Burnet	Region K
Colorado	Region K
Fayette	Region K
Gillespie	Region K
Llano	Region K
Matagorda	Region K
Mills	Region K
San Saba	Region K
Travis	Region K
Hays	Region K; Region L
Wharton	Region K; Region P

Fayette County
Water Supply Planning Information & Resources

This document summarizes key water supply planning information for Fayette County and highlights planning and drought resources available from the Texas Water Development Board (TWDB). This document was developed to support regional water planning group outreach efforts aimed at improving engagement with small and rural entities.

All water utilities in the state are strongly encouraged to participate in the regional water planning process and utilize TWDB resources to ensure sufficient water supplies are available for all Texans in times of drought.

Definitions of common regional water planning terms and acronyms are available at this link.

Future Water Supply Plans

Lower Colorado (K) Regional Water Planning

Fayette County is located in the Lower Colorado (K) Regional Water Planning Area, which encompasses all or parts of 14 counties that stretch from the Central Texas Hill Country to the Gulf of Mexico (Figure 1). The Lower Colorado (K) Regional Water Planning Group is responsible for developing a regional water plan every five years based on conditions that the region would face under a recurrence of a historical drought of record. The results of the regional water plan are included in the state water plan and inform state financial assistance and surface water right permitting decisions. The 2026 plan is currently under development and due to the TWDB in October 2025.

Figure 1 – Lower Colorado (K) Regional Water Planning Area

Public involvement is a key component to regional water planning. To ensure your water needs are accurately reflected in the 2026 plan, get involved in Region K water planning by visiting https://www.regionk.org/ or contact the Lower Colorado River Authority at monica.masters@lcra.org, 512-473-3200.

2021 Lower Colorado (K) Regional Water Plan

The 2021 Lower Colorado (K) Regional Water Plan is available at http://www.twdb.texas.gov/waterplanning/rwp/plans/2021/index.asp.

The following highlights from the plan are included in Attachment 1

- Table A1 summarizes current water supply sources, 2020 and 2070 water supply needs, and recommended water management strategies for water user groups in Fayette County.
- Table A2 provides additional context on the severity of the identified water supply needs by expressing the needs as a percentage of each water user group's total demand. The larger the percent of an entity's total demand, the more severe a potential shortage may be.
- Table A3 presents unmet needs that remain even if all the recommended strategies in the plan were implemented.

Water Supply Planning County Summaries available online

https://www.twdb.texas.gov/waterplanning/rwp/outreach/index.asp

Stay connected:

TWF Implementation Plan – Proposed Funding Allocations

Rural Water Assistance Fund	
100 % grant for conservation/water loss projects from SRF solicitation (under 1,000 population)	$45M
90 % grant/10 % loan or local match for conservation/water loss projects from SRF solicitation (1,000 to 10,000 in population)	$130M
High-risk or need projects (100 % grant)	$20M
Rural Water Assistance Fund subtotal:	**$195M**

Water Loan Assistance Fund	
70 % grant/30 % loan or local match for conservation/water loss projects from 2025 SRF solicitation (10,001 to 150,000 in population)	$90M
SWIFT program support	$300M
New Water Supply for Texas Fund	$250M
Potential bond leveraged funding through existing financial assistance programs	$150M
Statewide water public awareness program	$15M
Grand total:	**$1B**

77

TWF Implementation Plan Updates - Timeline

July 2024

- TWDB Board adopted Rural Water Assistance Fund (RWAF) rules, SWIFT program commitments for financial assistance, and Texas Water Fund transfer to SWIFT
- Invitations to apply were sent to entities with high-risk projects.
- Draft prioritization of RWAF and Water Loan Assistance Fund (WLAF) water loss projects were posted for public comment.

August 2024

- TWDB Board to consider WLAF rule proposal, adoption of RWAF and WLAF water conservation/water loss project prioritization, and high-risk project commitments.
- Invitations will be sent to apply sent to RWAF water conservation/water loss projects.

Fall 2024

- TWDB Board to consider adoption of WLAF rules, New Water Supply for Texas Fund rule proposal, and statewide water public awareness campaign contract.
- Invitations to apply will be sent to WLAF water conservation/water loss projects.

Winter 2024/2025

- TWDB Board to consider RWAF and high-risk project commitments
- TWDB Board to consider adopting New Water Supply for Texas Fund rules

Spring 2025

- TWDB Board to consider WLAF project commitments

78

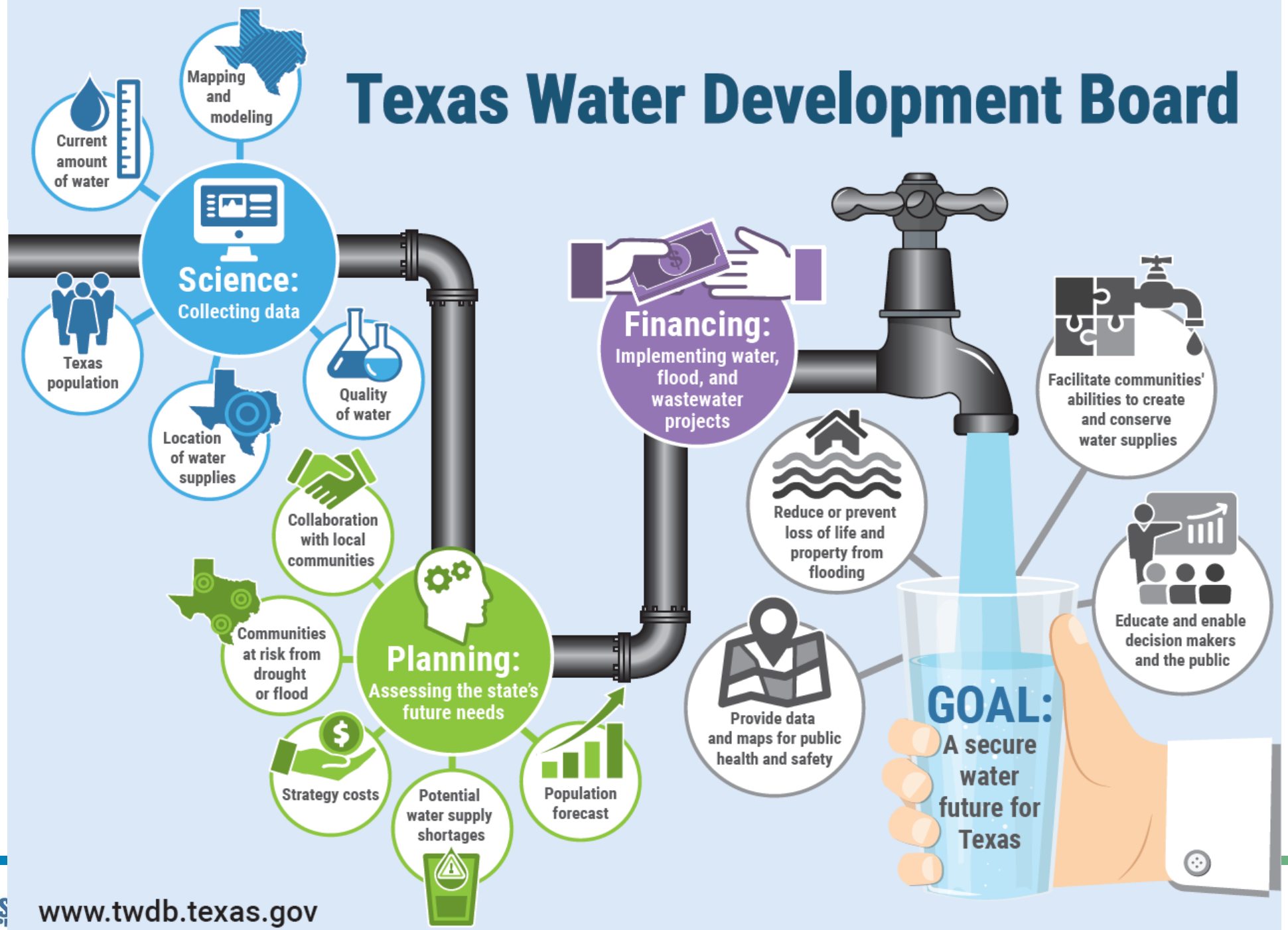
Texas Water Development Board – Scott Galaway

Texas Water Development Board

Financial Assistance Programs

Update Briefing

September 18, 2024


Texas Water Development Board
Mapping and modeling
Current amount of water
Science:
Collecting data
Texas population
Location of water supplies
Quality of water
Financing:
Implementing water, flood, and wastewater projects
Facilitate communities' abilities to create and conserve water supplies
Reduce or prevent loss of life and property from flooding
Collaboration with local communities
Communities at risk from drought or flood
Planning:
Assessing the state's future needs
Provide data and maps for public health and safety
Educate and enable decision makers and the public
Strategy costs
Potential water supply shortages
Population forecast
GOAL:
A secure water future for Texas

Funding Program Key Points

AAA Bond Rating/ Interest Rate Subsidization

Funding to accommodate projects of all sizes

Some projects qualify for combined funding through multiple programs

All project phases are eligible: planning, design, acquisition, construction

Examples of Eligible Projects

- Current Water Needs
- Future Water Needs
- Water Transmission & Distribution
- Potable Reuse
- Wastewater Collection
- Water and Wastewater Treatment
- Non-Point Source Pollution Control
- Flood Control & Storm Water Management
- Irrigation Systems Improvements
- Demonstration and Technology Transfer
- Equipment Cost Share

Why?

Dollars Committed and Cost Saving Estimates

Enity	Rural	Commitment Date	Program	Commitment Amount	Commitment Cost Savings
City	Yes	08/15/2024	DWSRF	$ 530,000	$ 280,712
City	Yes	08/15/2024	CWSRF	$ 39,315,000	$ 12,036,859
District	Yes	07/23/2024	SWIFT	$ 5,000,000	$ 1,343,310
City	No	07/23/2024	SWIFT	$ 10,135,000	$ 1,215,549
City	No	07/23/2024	CWSRF	$ 11,350,000	$ 2,267,150
WSC	No	06/12/2024	WDF	$ 2,500,000	$ 111,183
City	Yes	06/12/2024	CWSRF	$ 23,880,000	$ 9,046,292
Water Authority	Yes	05/09/2024	WDF	$ 2,880,000	$ 199,682
City	Yes	05/09/2024	WDF	$ 5,875,000	$ 222,633
District	No	04/11/2024	WDF	$ 5,550,000	$ 1,123,182

Illustrative Lending Rates

CWSRF 30-year Term

Rating	Market[1]	TWDB[2, 3]
AAA	3.97%	2.38%
AA	4.09%	2.45%
A	4.23%	2.54%
BAA	4.51%	2.71%

DWSRF 30-year Term

Rating	Market[1]	TWDB[2, 3]
AAA	3.97%	2.58%
AA	4.09%	2.66%
A	4.23%	2.75%
BAA	4.51%	2.93%

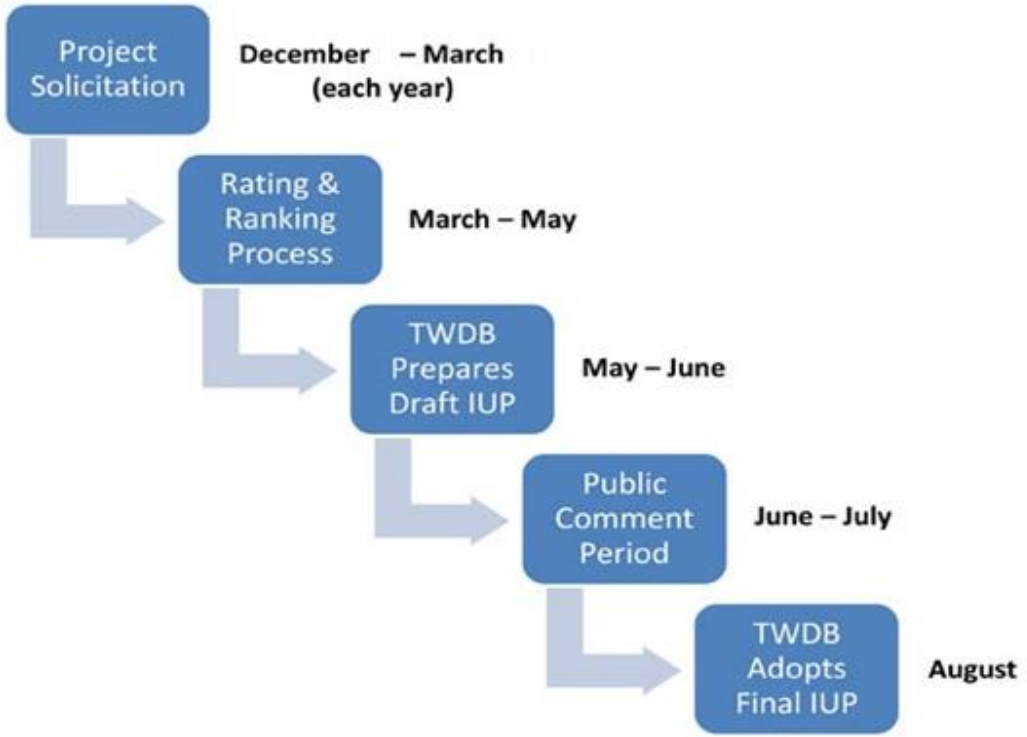
General Obligation Programs

Type of Funds	Terms	Market[1]	TWDB[2]	Difference
Development Fund (Tax Exempt)	20	4.02%	4.04%	-0.02%
Development Fund (Tax Exempt)	30	4.44%	4.46%	-0.02%
Development Fund (Taxable)	20	5.82%	5.81%	0.01%
Agricultural Loans (Taxable)	7	4.95%	4.38%	0.57%
EDAP (Tax Exempt)	20	4.02%	3.60%	0.43%
EDAP (Taxable)	20	5.82%	4.91%	0.91%

Popular Financial Assistance Programs

- Clean Water State Revolving Fund (CWSRF) Federal
- State Water Implementation Fund for Texas (SWIFT)
- Drinking Water State Revolving Fund (DWSRF) Federal
- Texas Water Development Fund (DFund)
- Economically Distressed Areas Program (EDAP)
- Flood Infrastructure Fund (FIF)
- Rural Water Assistance Fund (RWAF)
- Water Loan Assistance Fund (WLAF)

Example of Project Information Form & Intended Use Plan Annual Cycle



Texas Constitutional Amendment - Proposition 6

"The constitutional amendment creating the Texas water fund to assist in financing water projects in this state."

TEXAS VOTERS APPROVED
✓ 78% YES

- Senate Bill 28
  - Created the Texas Water Fund, New Water Supply for Texas Fund, and the Statewide Water Public Awareness Account.
- Senate Bill 30
  - Authorized a one-time, **$1 billion** supplemental appropriation of general revenue to the Texas Water Fund, contingent on enactment of SB 28 and approval of SJR 75 by voters.
- Senate Joint Resolution 75
  - Proposed constitutional amendment creating the Texas Water Fund to assist in financing water projects in Texas
  - Directed the TWDB to allocate no less than 25 percent to the New Water Supply for Texas Fund **($250 million).**

Texas Water Fund (SB 28)

- Allows the TWDB to transfer money to certain existing TWDB financial assistance programs.

- TWDB must ensure that a portion of the money is used for:
  - water infrastructure projects for rural political subdivisions and municipalities with a population of less than 150,000
  - projects for which all required state or federal permitting has been substantially completed
  - water conservation strategies
  - water loss mitigation projects
  - the statewide water public awareness program

- Created to provide financial assistance to develop water supply projects that create new water sources for the state, including
  - desalination projects, including marine and brackish water desalination
  - produced water treatment projects
  - aquifer storage and recovery projects
  - the development of infrastructure to transport water that is made available by these types of projects

Texas Water Fund Distribution

Funding Description	Target Amount
Rural Water Assistance Fund	
100 percent grant for conservation/water loss projects from SRF solicitation (under 1,000 population)	$45,000,000
90 percent grant/10 percent loan or local match for conservation/water loss projects from SRF solicitation (1,000 to 10,000 in population)	$130,000,000
High risk or need projects (100 percent grant)	$20,000,000
Rural Water Assistance Fund subtotal	**$195,000,000**
Water Loan Assistance Fund	
70 percent grant/30 percent loan or local match for conservation/water loss projects from 2025 SRF solicitation (10,001 to 150,000 in population)	$90,000,000
Statewide water public awareness program	$15,000,000
SWIFT program support	$300,000,000
Potential bond leveraged funding through existing financial assistance programs	$150,000,000
New Water Supply for Texas Fund	$250,000,000
Grand total	**$1,000,000,000**

Timelines - State Fiscal Year 2024
September 1, 2023 – August 31, 2024

Program		Solicitation Open	Application Deadline
Clean Water State Revolving Fund	$460M	12/15/2023 - 3/1/2024	
Drinking Water State Revolving Fund	$435M		
Emerging Contaminants (CWSRF)	$9.7M	12/15/2023 - 4/1/2024	
Lead Service Line Replacement (DWSRF)	$146M		
Emerging Contaminants (DWSRF)	$609M		
Asset Management Program for Small Systems	$100K in services	9/18/2023	11/2/2023
Water Utilities Technical Assistance Program	$150K in services	11/17/2023	1/31/2024
State Water Implementation Fund for Texas *(water plan projects over next 50 years)*	$27B	12/7/2023	2/1/2024
Flood Infrastructure Fund *(flood plan projects 2024-2025)*	$375M	12/15/2023	4/15/2024
Economically Distressed Areas Program *(2024-2025)*	$100M	3/15/2024	5/15/2024
Texas Water Development Fund	Bond sell as needed	*Spring*	12/31/2024
Blue Text Federal Program. *Black Text State of Texas Program.*			

Helpful Tip

➢ **Financial Audits**
- Are they up to date?
- At the time of full application submittal, a current audit is required for the application to be deemed administratively complete.
- Costs can be captured in project budget.

➢ **Ability to Take on Debt**
- Analysis will be completed.
- What rates and charges are in place? Will they need to be raised?

➢ **Updated Water use Survey and Water Loss Audit.**

➢ **Water Conservation and Drought Contingency Plan (if applicable).**

➢ **Talk early and often with TWDB staff – we are happy to provide guidance and support**

Resource Links

*** Texas Water Fund**
https://www.twdb.texas.gov/financial/programs/twf/index.asp

*** TWDB Financial Assistance Programs**
https://www.twdb.texas.gov/financial/index.asp

*** TWDB Financial Assistance Program Guidance Manuals and Forms Library**
https://www.twdb.texas.gov/financial/instructions/index.asp

*** TWDB Funding Application FAQ**
https://www.twdb.texas.gov/financial/applications/faq.asp

*** Clean Water State Revolving Fund Program**
www.twdb.texas.gov/financial/programs/CWSRF/index.asp

*** Drinking Water State Revolving Fund Program**
www.twdb.texas.gov/financial/programs/DWSRF/index.asp

Resource Links

*** Regional Water Planning**
www.twdb.texas.gov/waterplanning/index.asp

*** Flood Programs**
https://www.twdb.texas.gov/flood/index.asp

*** Conservation**
https://www.twdb.texas.gov/conservation/index.asp

*** Texas Water Infrastructure Coordination Committee (TWICC)**
https://twicc.org/resources/doc/TWICC_Funding_Resources_Guide.pdf

*** TWDB Newsletter**
https://www.twdb.texas.gov/newsmedia/signup.asp

For more information

Visit

https://www.twdb.texas.gov/financial/index.asp

Or email:

financial_assistance@twdb.texas.gov

Stay connected:

Item 17

General Discussion

Item 18 Next Meeting

Date	Scheduled Events/Tasks
November/ December 2024	Technical Committee Call/Meeting
January 2025	RWPG Meeting to Review Initial Prepared Plan (IPP)
February 2025	Comment/Approval of Initial Prepared Plan (2-week notice)
March 3, 2025	Initial Prepared Plan DUE to TWDB

Questions?

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972.533.2499

PLUMMER