

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, May 5, 2022 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=m3a380c4178a5451b276434b078bcd0c1>. The planning group members will consider and may take action regarding:

1. (9:30 AM) Roll-Call
2. Public Comment
3. Communications from Texas Water Development Board (TWDB) Director Jackson
4. Approval of the Minutes from the Previous Meeting of the South Central Texas Regional Water Planning Group (SCTRWPG)
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. Discussion and Appropriate Action to Authorize the San Antonio River Authority to negotiate and execute an amendment to the TWDB contract to incorporate the full scope of work and total project cost for the 2026 Regional Water Plan
8. Discussion and Appropriate Action Regarding the Establishment of Subcommittees
9. Presentation by Technical Consultant Regarding Schedule and Draft Data from TWDB
10. Discussion and Appropriate Action Regarding Activities of the Population and Water Demands Workgroup Related to TWDB Draft Data
11. Schedule and Potential Agenda Items for the Next Meeting of the SCTRWPG
12. Public Comment
13. 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.

**Minutes of the South Central Texas Regional Water Planning Group
February 17, 2022**

Secretary Middleton called the virtual meeting to order at 9:30 a.m., held both in person and through WebEx online platform. As Chair Andruss was not present in person, nor was the Vice Chair, Secretary Middleton convened and held the meeting.

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

Voting Members Present:

Tim Andruss

John Byrum

Curt Campbell

Debbie Farmer

Charlie Flatten

Steve Graham

Tom Jungman

Russell Labus

Glenn Lord

Gary Middleton

Travis Pruski

Robert Puente

Vanessa Puig Williams

Humberto Ramos

Weldon Riggs

Jonathan Stinson

Thomas Taggart

Dianne Wassenich

Adam Yablonski

Voting Members Absent:

Amber Beard

Rey Chavez

Will Conley

Vic Hilderbran

Daniel Meyer

Roland Ruiz

Dianne Savage

Darren Simmons

Mitchell Sowards

Heather Sumpter

Ian Taylor

Non-Voting Members Present:

Elizabeth McCoy, Texas Water Development Board (TWDB)

Marty Kelly, TX Department of Parks and Wildlife

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. Puente motioned to approve the minutes. Mr. Riggs 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 is open to consideration for rule proposals, available online. Proposed revisions include clarification on drought conditions, requirement to document interregional coordination efforts, implements house bill legislative changes. Draft projections for livestock, manufacturing, steam-electric have been released. TWDB projects that a RWP contract amendment will be released in the summer.

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 interest group vacancies. The RWPG has not received any nominations at this time and SARA will continue to solicit to fill the seats.

AGENDA ITEM NO.6: TWDB PRESENTATION ON LEGISLATIVE REQUIREMENTS OF PLANNING GROUP MEMBERS

Ms. McCoy presented the legislative requirements of each RWPG member. She also reviewed the obligations expected of RWPG members. Her presentation and recording of this meeting can be found on the Region L website at <http://www.regionltexas.org>.

AGENDA ITEM NO.7: TWDB PRESENTATION ON NON-MUNICIPAL PROJECTIONS, METHODOLOGIES FOR 2026 REGIONAL WATER PLANS

Ms. Katie Dahlberg presented TWDB's non-municipal data on livestock, manufacturing, and steam-electric power projections. The projections and data are available on TWDB's website at <http://www.twdb.texas.gov/waterplanning/data/dashboard/index.asp>.

AGENDA ITEM NO.8: PRESENTATION, DISCUSSION, AND APPROPRIATE ACTION REGARDING THE SCTRWPG's GUIDING PRINCIPLES

Ms. Lauren Gonzalez, Black & Veatch, proposed non-substantive changes to Region L's Guiding Principles. Chair Andruss reminded the RWPG that no amendments have been proposed in past meetings and encouraged the RWPG to support the amendments. Mr. Taggart said that there may be a need to change the Guiding Principles at a later date depending on the information received later in the cycle from TWDB.

Chair Andruss motioned to approve the proposed changes to Guiding Principles I and IX. Mr. Lord seconded the motion, motion passed.

AGENDA ITEM NO.9: OVERVIEW AND DISCUSSION ON THE CYCLE TIMELINE AND CONSULTANT SCHEDULE

Ms. Gonzalez presented the proposed Cycle 6 timeline and outlined the release dates of TWDB data and RWPG deliverable dates.

AGENDA ITEM NO.10: PRESENTATION, DISCUSSION, AND APPROPRIATE ACTION REGARDING THE ESTABLISHMENT OF SUBCOMMITTEES

Ms. Gonzalez provided background on the role subcommittees and workgroups play in the RWP process. Workgroups encourage community and stakeholder involvement and can be of topics of significance to RWPG members. Chair Andruss stated that the need to review WUG data and return comments to TWDB is imminent (July 2022) and a Population and Water Demands workgroup should be formed. RWPG members approved this workgroup. Members self-nominated to serve. Members include Chair Andruss, Mr. Graham, Mr. Puente, Mr. Ramos, and Mr. Stinson.

Discussion ensued regarding future workgroups that may be established at a later date including outreach, environmental, and irrigation. The RWPG decided that the establishment of subcommittees should be a standing agenda item.

AGENDA ITEM NO.11: ELECTION OF OFFICER SFOR THE 2022 SCTRWPG EXECUTIVE COMMITTEE

Mr. Taggart motioned to keep the current elected officers in their positions. Mr. Riggs seconded the motion, motion passed.

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

The next SCTRWPG meeting is scheduled for May 5, 2022, at 9:30 AM.

AGENDA ITEM NO.13: PUBLIC COMMENT

No public comments.

AGENDA ITEM NO.14: ADJOURN

Mr. Ramos motioned to adjourn this meeting. Mr. Graham seconded the motion, motion passed.

Region L TWDB Update 5-5-22

1. Draft Water User Group (WUG) List Released

- WUG list and historical data released in March
- **July 29, 2022** - deadline to request changes to WUG list
- Data sent to RWPG stakeholders and available online:
<https://www.twdb.texas.gov/waterplanning/data/projections/2027/municipal.asp>

2. State Water Implementation Fund for Texas (SWIFT)

- Invitation to submit complete application extended to two Region L entities: GBRA and ARWA
- Applications due May 11
- TWDB Board to consider funding commitments this summer

Region L TWDB Update 5-5-22

3. Regional Water Planning Rulemaking

- April 11, 2022 TWDB Board adopted amendments to regional water planning rules (31 TAC Chapter 357) and state water planning rules (31 TAC Chapter 358).
- Proposed rules published December 31, 2021 in Texas Register; public comment period ended January 31, 2022.
- As a result of public comments, two rule revisions originally included in the rule proposal for Chapter 357 were not adopted (§357.34(j) and §357.42(j)). No changes were warranted to Chapter 358 as a result of public comments.
- Board item with detailed information available on the TWDB website: <https://www.twdb.texas.gov/board/2022/04/Board/Brd04.pdf>

Region L TWDB Update 5-5-22

4. Key Rule Changes to 31 TAC Chapter 357

- New requirements added for RWPGs to discuss their process for conducting interregional coordination at the pre-planning public input meeting and summarize interregional coordination efforts in the Technical Memorandum, Initially Prepared Plan, and adopted Regional Water Plan (RWP). (*§357.12(a)(1), §357.12(c)(8), §357.50(g)(1)(C)*)
- Clarification provided that the Technical Memorandum include a statement if applicable, that no infeasible water management strategies (WMS) or water management strategy projects (WMSP) were identified by the RWPG. (*§357.12(c)(7)*)
- Requirement for RWPGs to perform an infrastructure financing analysis is removed, and total number of regional water plan chapters is reduced to 10 accordingly. (*§357.44 [removed], §357.22(b)*)

Region L TWDB Update 5-5-22

4. Key Rule Changes to 31 TAC Chapter 357 (cont.)

- Requirement for RWPGs to prioritize recommended WMSPs and submit the prioritization with an adopted RWP is removed. (*§357.46 [removed]*)
- Clarification provided that specific allowances for certain limited costs associated with delivery of water within a water user group service area after treatment are permissible for direct reuse and conservation WMSs. (*§357.34(e)(3)(A)*)
- Several clarifications made to align the rules more closely with statute and remove nonstatutorily required reporting.
- Drought response information revised to align with statute, RWPGs required to identify drought response triggers and actions. (*§357.42(c)*)

Region L TWDB Update 5-5-22

4. Key Rule Changes to 31 TAC Chapter 357 (cont.)

- An allowance is made for minor amendments to include an increase in unmet needs or new unmet needs if the amendment is the result of removing infeasible WMSs or WMSPs. (*§357.51(c)(2)(C)*)
- Clarification is provided that the EA will establish a deadline for RWPGs to submit amendments associated with infeasible WMSs that may be identified in the previously adopted RWP and that these amendments must include a summary of changes to unmet needs, if applicable. (*§357.51(g)*)
- An allowance is made for RWPGs to adopt errata to a final RWP to correct minor errors identified after adoption of the final RWP but prior to adoption of the corresponding State Water Plan. (*§357.51(i)*)

Region L TWDB Update 5-5-22

5. Key Rule Changes to 31 TAC Chapter 358

- Clarification is provided that RWPGs may, at the discretion of the RWPG, plan for drought conditions worse than the drought of record. (§358.3(2))
- The term ‘water management strategy projects’ is added through the section to align the state water planning guidance principles terminology with regional water planning rules. (§358.3(8))

Agenda Item 9: Presentation from Technical Consultant Regarding Schedule and Draft Data from TWDB

DRAFT 5/2/2022

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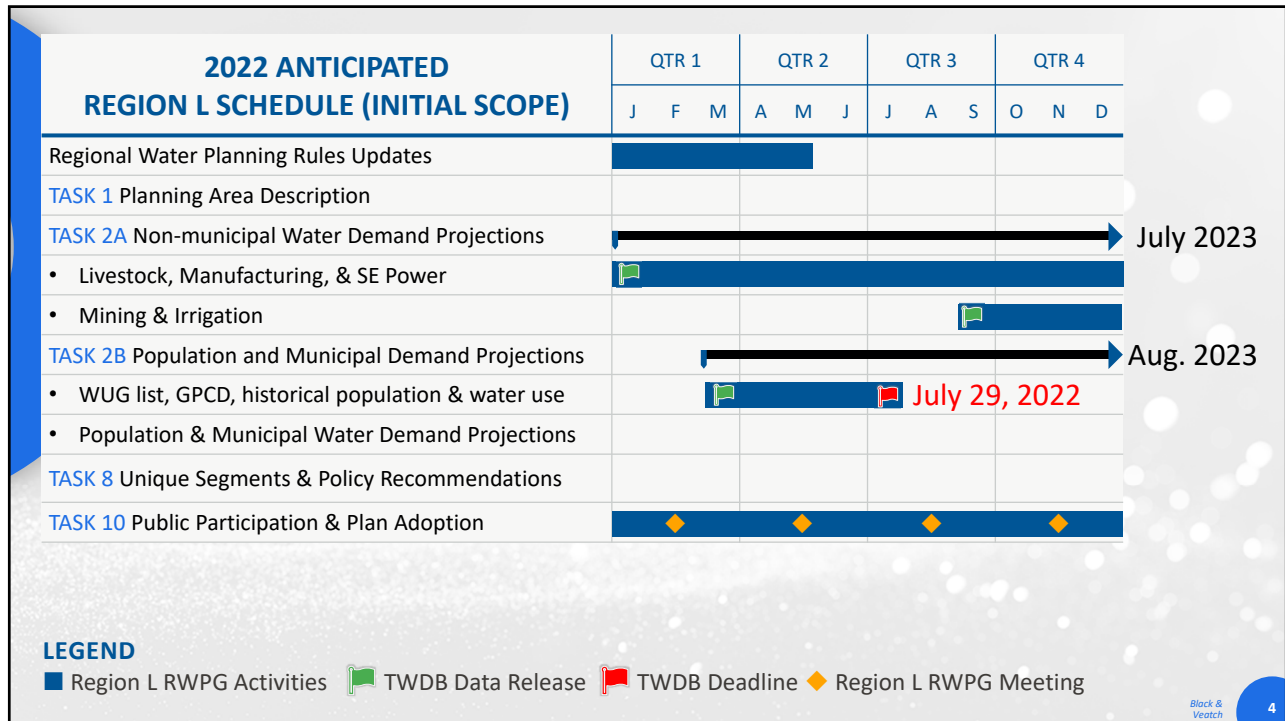
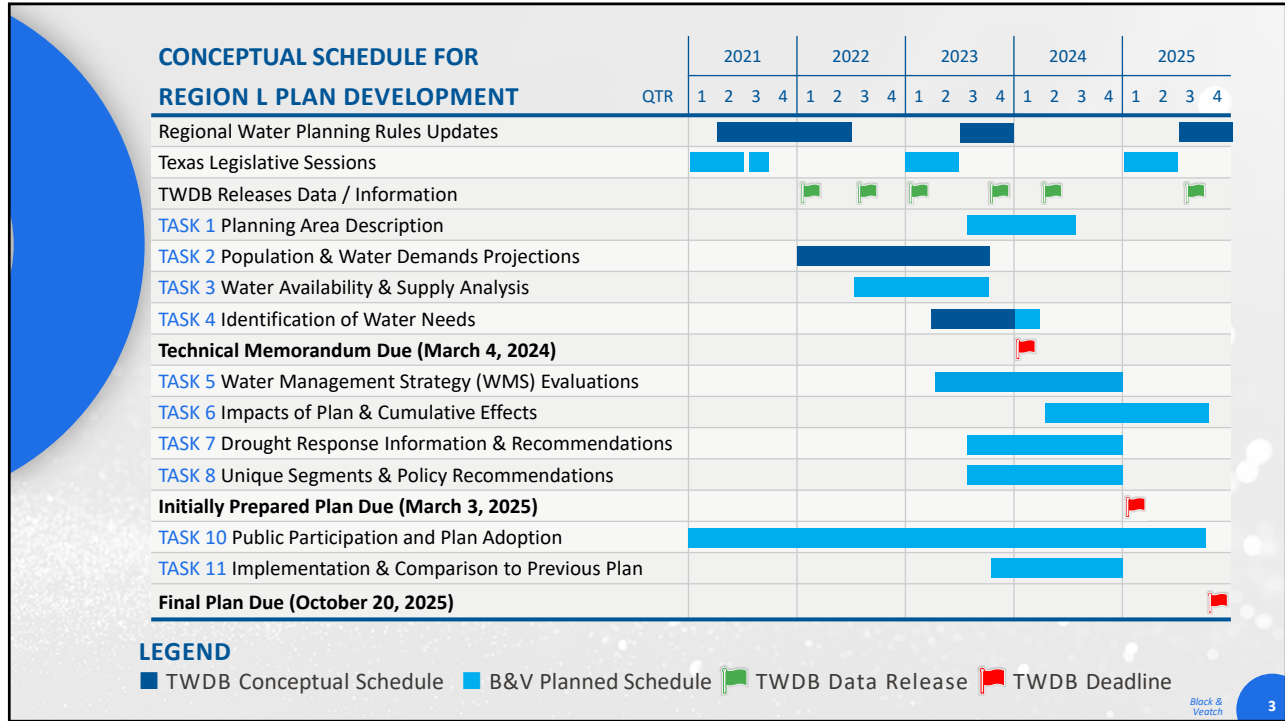
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Agenda

- Schedule
- Draft Data Review:
 - Municipal Water User Group (WUG) List
 - Municipal Historical Data
 - Water Demand Projections for Livestock, Manufacturing, and Steam-Electric

Black &
Veatch

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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
Historical WUG data and Draft Baseline GPCD	Aug. 2023
Water Demand Projections: Livestock, Manufacturing, Steam-Electric	Jul. 2023

Future Data Releases and Deadlines

Type	Anticipated Release Date	Deadline for RWPG to Review and Submit Revisions to TWDB
Water Demand Projections: Mining, Irrigation	Aug. 2022	Jul. 2023
Population and Municipal Water Demand Projections	Feb. 2023	Aug. 2023

Draft Municipal Water User Group (WUG) List



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

- Draft data released March 2022
- RWPG Responsibilities:
 - Review list of WUGs and submit revisions (merges, additions, etc.) via consultant
 - Due to TWDB by **July 29, 2022**, but we can submit any time before then

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Draft Municipal Water User Group (WUG) List: Definition of WUG

Water User Group (WUG)--Identified user or group of users for which Water Demands and Existing Water Supplies have been identified and analyzed and plans developed to meet Water Needs.

For the municipal use category, these include:

- (A) Privately-owned utilities that provide an average of more than 100 acre-feet per year for municipal use for all owned water systems;
- (B) Water systems serving institutions or facilities owned by the state or federal government that provide more than 100 acre-feet per year for municipal use;
- (C) All other Retail Public Utilities not covered in subparagraphs (A) and (B) of this paragraph that provide more than 100 acre-feet per year for municipal use;
- (D) Collective Reporting Units, or groups of Retail Public Utilities that have a common association and are requested for inclusion by the RWPG;
- (E) Municipal and domestic water use, referred to as County-Other, not included in subparagraphs (A) - (D) of this paragraph

[Texas Administrative Code 31 TAC § 357.10\(43\)](#)

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Draft Municipal WUG List: TWDB Methodology

- All utility-based WUGs were carried forward from the 2021 RWP
- New WUGs were evaluated and added based on the utility use from 2015-2019 of 100 acre-feet per 31 TAC § 357.10(43)
- Utility-based WUGs from the 2021 RWP were removed from the draft 2026 WUG list, if:
 - Utility merged with another WUG
 - The utility-based WUG no longer had an active, community public water system

Draft Municipal Water User Group (WUG) List: Summary of TWDB-initiated Changes for 2026 Plan

2021 Plan	2026 Plan	County	TWDB Revision
PORT OCONNOR MUD	PORT OCONNOR IMPROVEMENT DISTRICT	CALHOUN	Name Change
CRYSTAL CLEAR WSC	CRYSTAL CLEAR SUD	COMAL/GUADALUPE/HAYS	Name Change
N/A	3009 WATER	COMAL	New WUG
N/A	C WILLOW WATER	WILSON	New WUG
N/A	CONCAN WSC	UVALDE	New WUG
N/A	THREE OAKS WSC	WILSON	New WUG
N/A	VILLE DALSACE WATER SUPPLY	MEDINA	New WUG
N/A	RANCHO DEL LAGO	BLANCO	New WUG

In general, new WUGs this cycle were likely part of County-Other last cycle; their population and demand projections will be extracted from the County-Other portion of the County totals.

2026 Region L Municipal WUGs (1 of 5)

- 144 municipal WUGs in Region L (139 in 2021 Plan)
- Organized by County, then sorted alphabetically*

ATASCOSA COUNTY

BENTON CITY WSC
CHARLOTTE
COUNTY-OTHER, ATASCOSA
JOURDANTON
LYTLE
MCCOY WSC
PLEASANTON
POTEET
SAN ANTONIO WATER SYSTEM

BEXAR COUNTY

AIR FORCE VILLAGE II INC
ALAMO HEIGHTS
ATASCOSA RURAL WSC
BEXAR COUNTY WCID 10
CONVERSE
COUNTY-OTHER, BEXAR
EAST CENTRAL SUD
ELMENDORF
FAIR OAKS RANCH
FORT SAM HOUSTON
GREEN VALLEY SUD
KIRBY
LACKLAND AIR FORCE BASE
LEON VALLEY
LIVE OAK
LYTLE
RANDOLPH AIR FORCE BASE
SAN ANTONIO WATER SYSTEM
SCHERTZ

SHAVANO PARK
THE OAKS WSC
UNIVERSAL CITY
WATER SERVICES

Legend

- *Region K Primary
- ^Region P Primary
- Name Change
- New WUG

♦ Note: Draft WUG List data provided by TWDB does not specify the county in which each WUG is located. County(ies) for each WUG were determined by technical consultant using 2021 Regional Water Plan data for existing WUGs, and the Public Utility Commission website for New WUGs.

2026 Region L Municipal WUGs (2 of 5)

CALDWELL COUNTY

AQUA WSC
COUNTY LINE SUD
COUNTY-OTHER, CALDWELL
CREEDMOOR-MAHA WSC
GOFORTH SUD
GONZALES COUNTY WSC
LOCKHART
LULING
MARTINDALE WSC
MAXWELL WSC
POLONIA WSC
SAN MARCOS
TRI COMMUNITY WSC

CALHOUN COUNTY

COUNTY-OTHER, CALHOUN
GUADALUPE-BLANCO RIVER AUTHORITY
POINT COMFORT
PORT LAVACA

PORT OCONNOR IMPROVEMENT DISTRICT

SEADRIFT

COMAL COUNTY

3009 WATER
CANYON LAKE WATER SERVICE
CLEAR WATER ESTATES WATER SYSTEM
COUNTY-OTHER, COMAL
CRYSTAL CLEAR SUD
FAIR OAKS RANCH
GARDEN RIDGE
GREEN VALLEY SUD
GUADALUPE-BLANCO RIVER AUTHORITY
KT WATER DEVELOPMENT
NEW BRAUNFELS
SAN ANTONIO WATER SYSTEM
SCHERTZ

SELMA
WATER SERVICES
WINGERT WATER SYSTEMS

DEWITT COUNTY

COUNTY-OTHER, DEWITT
CUERO
GONZALES COUNTY WSC
YOAKUM^
YORKTOWN

DIMMIT COUNTY

ASHERTON
BIG WELLS
CARRIZO HILL WSC
CARRIZO SPRINGS
COUNTY-OTHER, DIMMIT

2026 Region L Municipal WUGs (3 of 5)

FRIO COUNTY

BENTON CITY WSC
 COUNTY-OTHER, FRIO
 DILLEY
 MOORE WSC
 PEARSALL

GOLIAD COUNTY

COUNTY-OTHER, GOLIAD
 GOLIAD

GONZALES COUNTY

COUNTY-OTHER, GONZALES
 GONZALES
 GONZALES COUNTY WSC
 NIXON
 SMILEY
 WAELDER

GUADALUPE COUNTY

CIBOLO
 COUNTY-OTHER, GUADALUPE
 CRYSTAL CLEAR SUD
 EAST CENTRAL SUD
 GONZALES COUNTY WSC
 GREEN VALLEY SUD
 LULING
 MARION
 MARTINDALE WSC
 NEW BRAUNFELS
 SCHERTZ
 SEGUIN
 SELMA
 SPRINGS HILL WSC
 TRI COMMUNITY WSC
 WATER SERVICES

HAYS COUNTY

BUDA*
 COUNTY LINE SUD

COUNTY-OTHER, HAYS*

CREEDMOOR-MAHA WSC*
 CRYSTAL CLEAR SUD
 GOFORTH SUD
 KYLE
 MAXWELL WSC
 SAN MARCOS
 SOUTH BUDA WCID 1
 TEXAS STATE UNIVERSITY
 WIMBERLEY WSC

KARNES COUNTY

COUNTY-OTHER, KARNES
 EL OSO WSC
 FALLS CITY
 KARNES CITY
 KENEDY
 RUNGE
 SUNKO WSC

2026 Region L Municipal WUGs (4 of 5)

KENDALL COUNTY

BOERNE
 COUNTY-OTHER, KENDALL
 FAIR OAKS RANCH
 GUADALUPE-BLANCO RIVER AUTHORITY
 KENDALL COUNTY WCID 1
 KENDALL WEST UTILITY

LA SALLE COUNTY

COTULLA
 COUNTY-OTHER, LA SALLE
 ENCINAL WSC

MEDINA COUNTY

BENTON CITY WSC
 CASTROVILLE
 COUNTY-OTHER, MEDINA
 DEVINE
 EAST MEDINA COUNTY SUD
 HONDO
 LA COSTE
 LYTLE
 MEDINA COUNTY WCID 2
 MEDINA RIVER WEST WSC
 NATALIA
 SAN ANTONIO WATER SYSTEM
 VILLE DALSACE WATER SUPPLY
 WEST MEDINA WSC
 YANCEY WSC

REFUGIO COUNTY

COUNTY-OTHER, REFUGIO
 REFUGIO
 WOODSBORO

UVALDE COUNTY

CONCAN WSC
 COUNTY-OTHER, UVALDE
 KNIPPA WSC
 SABINAL
 UVALDE
 WINDMILL WSC

2026 Region L Municipal WUGs (5 of 5)

VICTORIA COUNTY

COUNTY-OTHER, VICTORIA
 QUAIL CREEK MUD
 VICTORIA
 VICTORIA COUNTY WCID 1

WILSON COUNTY

COUNTY-OTHER, WILSON
 C WILLOW WATER
 EAST CENTRAL SUD
 EL OSO WSC
 ELMENDORF
 FLORESVILLE
 LA VERNIA
 MCCOY WSC
 NIXON
 OAK HILLS WSC
 PICOSA WSC
 POTH
 STOCKDALE
 SUNKO WSC
 S S WSC
 THREE OAKS WSC

ZAVALA COUNTY

BATESVILLE WSC
 COUNTY-OTHER, ZAVALA
 CRYSTAL CITY
 LOMA ALTA CHULA VISTA WATER SYSTEM
 ZAVALA COUNTY WCID 1

(1 of 2)

Certificated Service Area (Water)

CCN NO. 13070
 UTILITY 3009 WATER COMPANY LLC
 CCN TYPE Bounded Service Area
 STATUS Commission Approved

Zoom to

Map Source: PUC CCN Viewer
 Owner Source: PUC
 WUG Historical Information & Projections: TWDB

New WUG for 2026 Plan: 3009 WATER

Investor-owned

Annual Population Estimates

Year	Population
2010	923
2011	950
2012	975
2013	1000
2014	1025
2015	1050
2016	1075
2017	1100
2018	1125
2019	1150
2020	1,166

Annual Net Use (acre-feet) from Water Use Survey

Year	Annual Net Use (AFY)
2010	~50
2011	~50
2012	~50
2013	~50
2014	~50
2015	~50
2016	~50
2017	~150
2018	~100
2019	~100
2020	~150

2021 RWP Baseline None

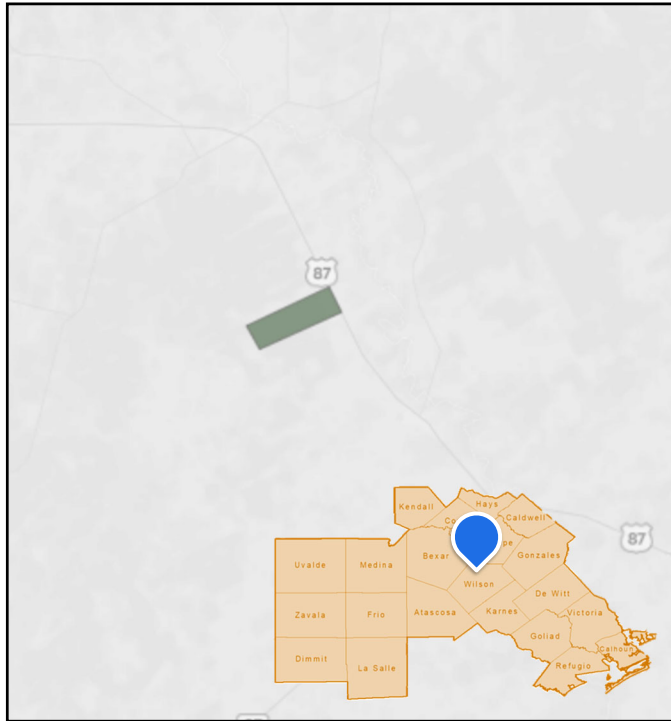
2026 RWP Draft: GPCD
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Annual Gallons per Capita Daily

Year	Gallons per Capita Daily
2010	~55
2011	~55
2012	~55
2013	~55
2014	~55
2015	~55
2016	~55
2017	248
2018	~100
2019	~100
2020	~120

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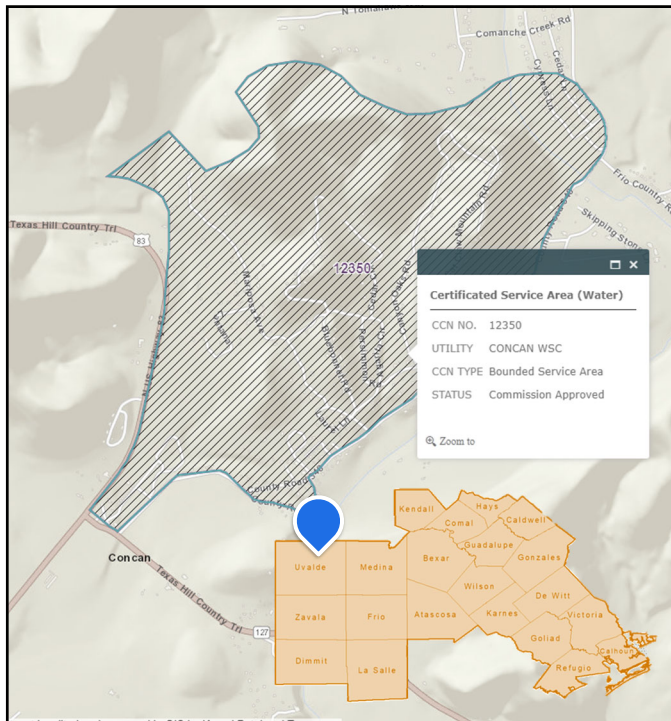
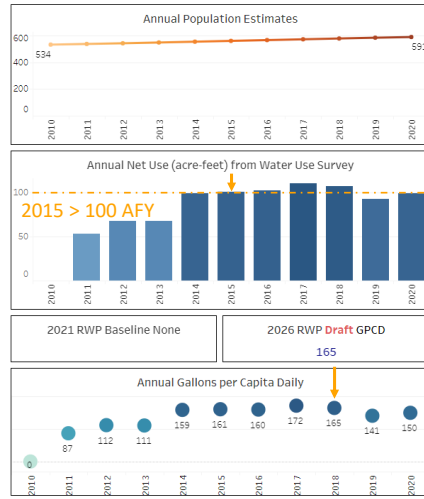
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Map Source: TWDB
 Owner Source: TCEQ Drinking Water Watch
 WUG Historical Information & Projections: TWDB

New WUG for 2026 Plan: C WILLOW WATER

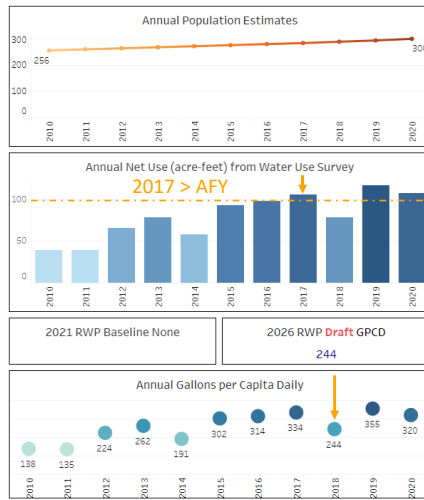
Investor-owned, for-profit

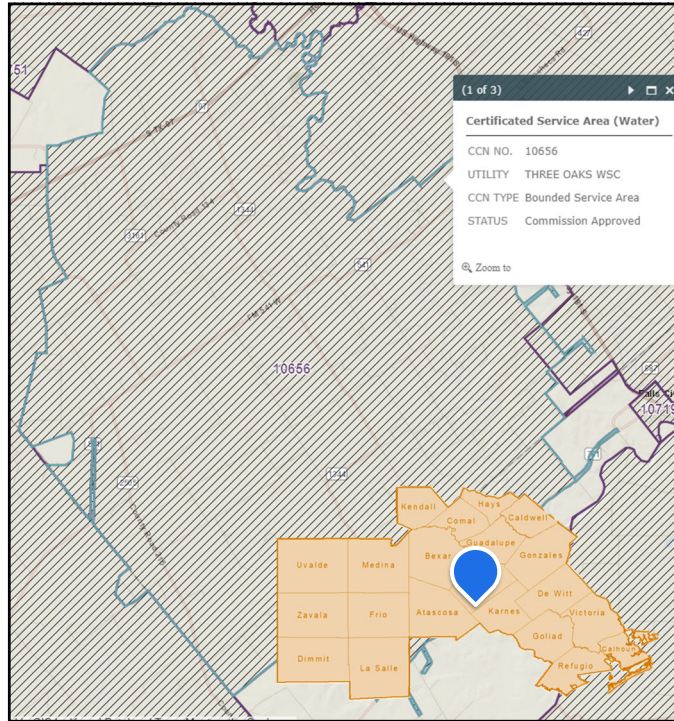


Map Source: PUC CCN Viewer
 Owner Source: TCEQ Drinking Water Watch
 WUG Historical Information & Projections: TWDB

New WUG for 2026 Plan: CONCAN WSC

WSC, non-profit

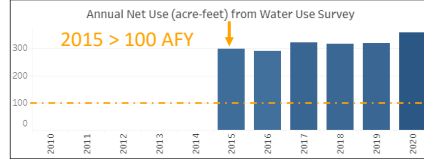
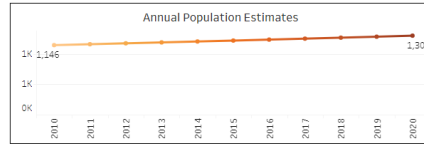




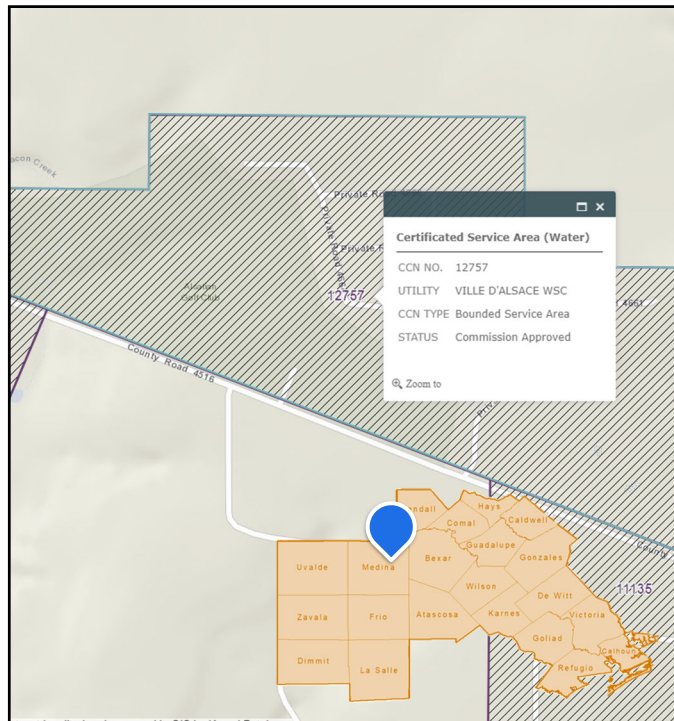
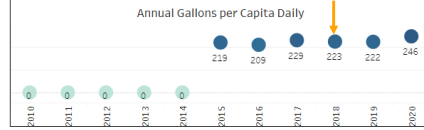
Map Source: PUC CCN Viewer
 Owner Source: TCEQ Drinking Water Watch
 WUG Historical Information & Projections: TWDB

New WUG for 2026 Plan: THREE OAKS WSC

WSC, non-profit



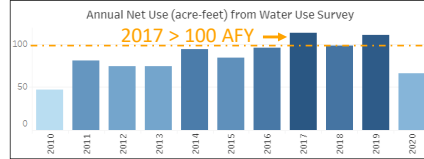
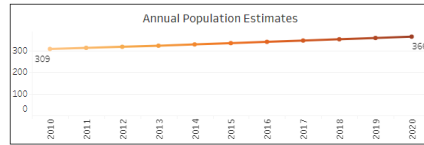
2021 RWP Baseline None 2026 RWP Draft GPCD 223



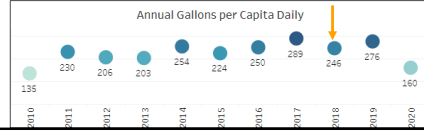
Map Source: PUC CCN Viewer
 Owner Source: TCEQ Drinking Water Watch
 WUG Historical Information & Projections: TWDB

New WUG for 2026 Plan: VILLE D'ALSACE WATER SUPPLY

Investor-owned, for-profit



2021 RWP Baseline None 2026 RWP Draft GPCD 246



Map Source: PUC CCN Viewer

New WUG for 2026 Plan: RANCHO DEL LAGO

- Public Utility Commission of Texas indicates Comal County as primary county
- However, it is located wholly within Blanco County (Region K)
- No part of WUG located in Region L

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Proposed Revision: Request Removal of “RANCHO DEL LAGO” as New Region L WUG

- WUG is located wholly within Blanco County (Region K)
- No part of WUG located in Region L
- TWDB has already made the revision to online interactive data tool

Recommend removal of Rancho Del Lago as a new Region L WUG

Black & Veatch 22

Proposed Revision: Name Change for “MAXWELL WSC” to “MAXWELL SUD”

- Located in Caldwell County
- Recently converted from WSC to SUD
 - Conversion occurred after WUG list was developed for 2021 Regional Water Plan
 - SUD Confirmation Election held Jan. 2020
- On April 21, 2022, Black & Veatch spoke to Maxwell SUD General Manager, Justin Ivicic and confirmed that the name should be changed to SUD

Recommend name change to Maxwell SUD

Potential Revision: Port O’Connor Improvement District, Collective Reporting Unit (CRU)

- La Salle WCID 1-A
 - Located in Calhoun County
 - Included in Calhoun County-Other last cycle
 - Nov. 2, 2021: Consolidation election held to merge with Port O’Connor Improvement District.
- May need to request a “Collective Reporting Unit” classification for Port O’Connor Improvement District.

*Texas Administrative Code 31
TAC § 357.10(5)*

“A grouping of utilities located in the Regional Water Planning Area. Utilities within a Collective Reporting Unit must have a logical relationship, such as being served by common Wholesale Water Providers, having common sources, or other appropriate associations.”

Summary of Proposed Feedback on Draft WUG List

2021 Plan	2026 Plan	County	TWDB Revision	Proposed Feedback by Population and Water Demands Workgroup
PORT OCONNOR MUD	PORT OCONNOR IMPROVEMENT DISTRICT	CALHOUN	Name Change	Agree
CRYSTAL CLEAR WSC	CRYSTAL CLEAR SUD	COMAL/ GUADALUPE/ HAYS	Name Change	Agree
N/A	3009 WATER	COMAL	New WUG	Agree
N/A	C WILLOW WATER	WILSON	New WUG	Agree
N/A	CONCAN WSC	UVALDE	New WUG	Agree
N/A	THREE OAKS WSC	WILSON	New WUG	Agree
N/A	VILLE DALSACE WATER SUPPLY	MEDINA	New WUG	Agree
N/A	RANCHO DEL LAGO	BLANCO	New WUG	Request Removal
MAXWELL WSC	MAXWELL SUD	CALDWELL	N/A	Request Name Change

We will revisit this Proposed Feedback in Agenda Item 10

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Draft Municipal Historical Data



- Draft data released March 2022
- RWPG Responsibilities:
 - Review and submit revisions via consultant
 - Due to TWDB by **August 2023**, but we can submit any time before then

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Draft Municipal Historical Data

- Historical Data reported annually 2010-2020:
 - Historical WUG-level population estimates, developed by TWDB using 2010 and 2020 Census Block data
 - Net water use by public water system collected through TWDB water user surveys, aggregated by utility-based WUG
 - Historical calculated Gallons per Capita Daily (GPCD)
 - New Draft Baseline GPCDs

Draft Municipal Historical Data: Baseline Gallons per Capita Daily (GPCD)

New WUG GPCD = 2018 GPCD

- If 2018 = 0, then 2019 GPCD is used

Existing WUG GPCD = 2022 SWP GPCD - accumulated passive savings from plumbing code savings

- Any GPCD below 60 is increased to 60
- Statewide, draft baseline GPCDs are generally lower than the 2021 RWPs baseline GPCD

Draft Municipal Historical Data

- RWPG Responsibilities:
 - Review historical data and let TWDB know of any revisions
 - Revisions to Baseline GPCD numbers can be requested as part of the population and municipal demand review in 2023
- WUG Responsibilities:
 - Review historical data
 - If questions, contact technical consultant
 - If WUG desires revisions, contact technical consultant, who will gather information and provide it to Population and Water Demands Workgroup

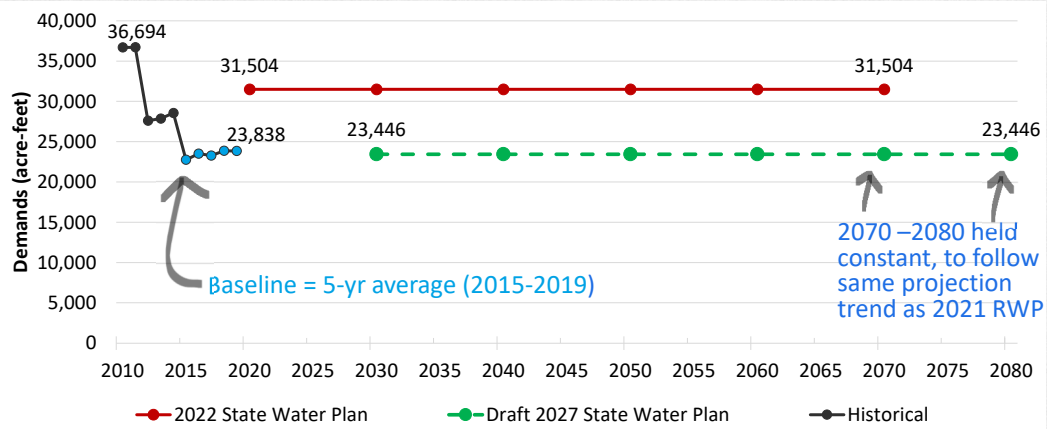
Draft Water Demands: Livestock, Manufacturing, and Steam-Electric Power

- Draft data released January 2022
- RWPG Responsibilities:
 - Review and submit revisions via consultant
 - Due to TWDB by **July 2023**, but we can submit any time before then



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

Draft Water Demand Projections: Livestock



Source: Katie Dahlberg, TWDB

Same methodology as 2021 RWPs

- County Water Use Estimates = USDA Inventory * Livestock Water Use Coefficients
- Water Use Survey facilities

Draft Water Demand Projections: Livestock

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		
	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

Source: TWDB

Draft Water Demand Projections: Livestock (1 of 2)

County	2026 DRAFT Livestock Water Demand Projections (AFY)					
	2030	2040	2050	2060	2070	2080
ATASCOSA	1,401	1,401	1,401	1,401	1,401	1,401
BEXAR	774	774	774	774	774	774
CALDWELL	957	957	957	957	957	957
CALHOUN	272	272	272	272	272	272
COMAL	304	304	304	304	304	304
DEWITT	1,569	1,569	1,569	1,569	1,569	1,569
DIMMIT	346	346	346	346	346	346
FRIO	1,045	1,045	1,045	1,045	1,045	1,045
GOLIAD	738	738	738	738	738	738
GONZALES	4,307	4,307	4,307	4,307	4,307	4,307
COUNTY TOTAL	23,446	23,446	23,446	23,446	23,446	23,446

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Draft Water Demand Projections: Livestock (2 of 2)

County	2026 DRAFT Livestock Water Demand Projections (AFY):					
	2030	2040	2050	2060	2070	2080
GUADALUPE	1,031	1,031	1,031	1,031	1,031	1,031
HAYS	2,648	2,648	2,648	2,648	2,648	2,648
KARNES	820	820	820	820	820	820
KENDALL	381	381	381	381	381	381
LA SALLE	297	297	297	297	297	297
MEDINA	971	971	971	971	971	971
REFUGIO	448	448	448	448	448	448
UVALDE	1,900	1,900	1,900	1,900	1,900	1,900
VICTORIA	893	893	893	893	893	893
WILSON	1,528	1,528	1,528	1,528	1,528	1,528
ZAVALA	816	816	816	816	816	816
COUNTY TOTAL	23,446	23,446	23,446	23,446	23,446	23,446

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Draft Water Demand Projections: Livestock Significant Changes from Last Cycle

Gonzales County

- 9,600 acre-feet per year (AFY) in 2021 Plan
- 4,300 AFY in 2026 Plan
- A request was made to TWDB for the inventory data

Species	2015	2016	2017	2018	2019
Milk Cattle	0	0	0	0	0
Fed/Other Cattle	120,000	121,250	122,115	125,000	125,000
Non-Broiler Chickens	6,573,252	7,058,463	9,891,664	10,924,011	11,303,410
Broiler Chickens	11,993,851	12,403,695	12,831,273	12,876,592	13,300,229
Equine	3,812	3,694	2,064	2,064	2,064
Hogs	553	659	232	250	239
Sheep	780	764	1,321	1,358	1,331
Goats	1,212	1,190	1,236	1,242	1,282
Turkeys	-	-	86	86	86

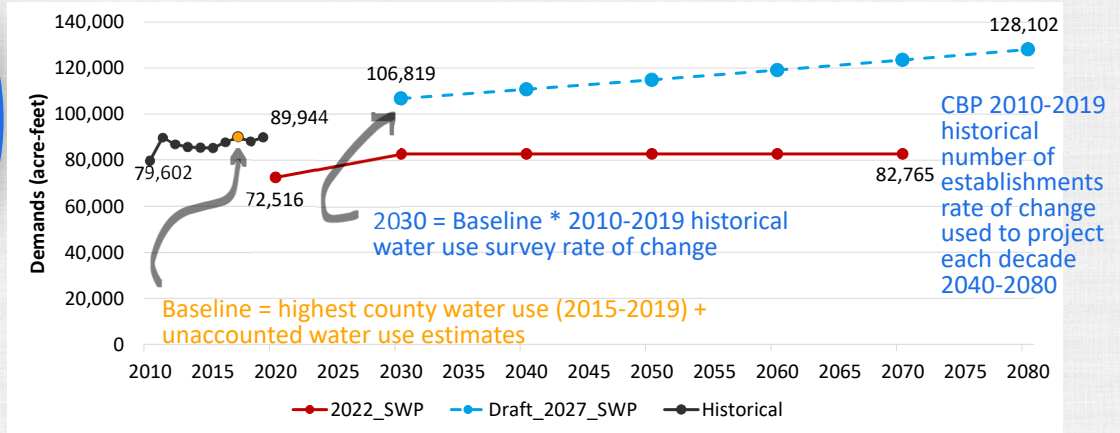
Source: TWDB Inventory Data

Draft Water Demand Projections: Livestock Criteria for Adjustment

One or more of the following criteria must be verified by the regional water planning group and the Executive Administrator for consideration of revising the livestock water demand projections:

1. Evidence that livestock water use estimates for a county from another source are more accurate than those used in the draft projections..
2. Plans for the construction, expansion, or closure of a confined livestock feeding operation in a county at some future date.
3. Other evidence of change in livestock inventory or water requirements that would justify an adjustment in the projected future rate of change in livestock water demand.
4. Evidence of errors identified in historical water use, including volumes of reuse (treated effluent) or brackish groundwater that were not included in the draft projections.

Draft Water Demand Projections: Manufacturing



Source: Katie Dahlberg, TWDB

- New 2026 RWP methodology
 - Historical water use survey
 - U.S. Census Bureau County Business Patterns (CBP) historical number of establishments

Draft Water Demand Projections: Manufacturing (1 of 2)

County	2026 DRAFT Manufacturing Water Demand Projections (AFY)					
	2030	2040	2050	2060	2070	2080
ATASCOSA	56	58	60	62	64	66
BEXAR	8,873	9,201	9,541	9,894	10,260	10,640
CALDWELL	14	15	16	17	18	19
CALHOUN	54,587	56,607	58,701	60,873	63,125	65,461
COMAL	3,503	3,633	3,767	3,906	4,051	4,201
DEWITT	248	257	267	277	287	298
DIMITT	0	0	0	0	0	0
FRIO	0	0	0	0	0	0
GOLIAD	0	0	0	0	0	0
GONZALES	2,311	2,397	2,486	2,578	2,673	2,772
COUNTY TOTAL	106,819	110,773	114,872	119,122	123,530	128,102

Draft Water Demand Projections: Manufacturing (2 of 2)

County	2026 DRAFT Manufacturing Water Demand Projections (AFY)					
	2030	2040	2050	2060	2070	2080
GUADALUPE	3,194	3,312	3,435	3,562	3,694	3,831
HAYS	57	59	61	63	65	67
KARNES	69	72	75	78	81	84
KENDALL	46	48	50	52	54	56
LA SALLE	0	0	0	0	0	0
MEDINA	15	16	17	18	19	20
REFUGIO	0	0	0	0	0	0
UVALDE	0	0	0	0	0	0
VICTORIA	33,052	34,275	35,543	36,858	38,222	39,636
WILSON	62	64	66	68	71	74
ZAVALA	732	759	787	816	846	877
COUNTY TOTAL	106,819	110,773	114,872	119,122	123,530	128,102

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Draft Water Demand Projections: Manufacturing *Significant Changes from Last Cycle*

- Victoria County
 - Significant increase in demand since last cycle (from 9,000 AFY to 33,000 AFY)
 - INVISTA SARL – VICTORIA PLANT
 - 2021 Plan supporting data – water use for 2010-2015 was ~7,000 - 8,000 AFY
 - 2026 Plan supporting data – water use for 2010-2015 was ~23,000 - 26,000 AFY
 - TWDB mentioned difference may be consumptive use versus total intake
 - EQUSTAR CHEMICALS – VICTORIA PLANT
 - New demand of 8,600 AFY identified for 2019
- No other identified significant county changes

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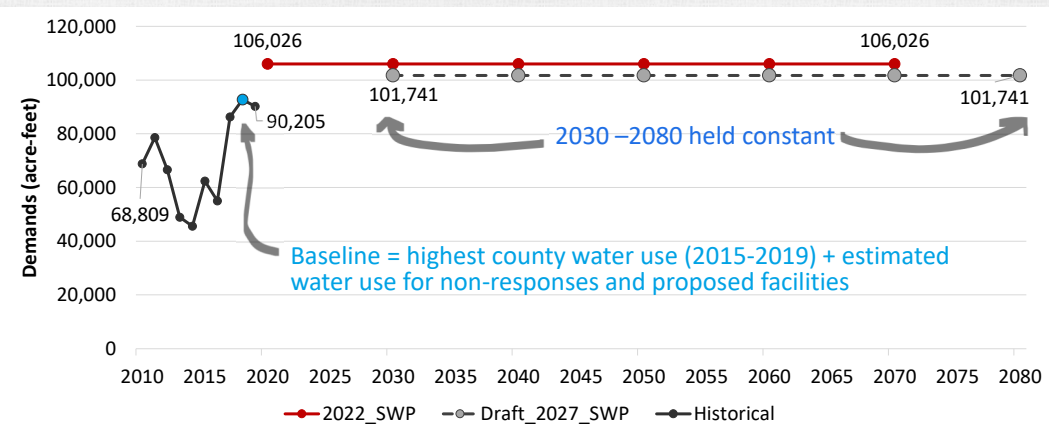
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Draft Water Demand Projections: Manufacturing Criteria for Adjustment

One or more of the following criteria must be verified by the regional water planning group and the Executive Administrator for consideration of revising the manufacturing water demand projections:

1. Evidence of a new or existing facility that has not been included in the TWDB's Water Use Survey.
2. Evidence of an industrial facility that has recently closed its operation in a county.
3. Plans for new construction, or expansion or closure of an existing industrial facility in a county at some future date.
4. Evidence of a long-term projected water demand of a facility or industry within a county that is substantially different than the draft projections.
5. Evidence of errors identified in historical water use, including volumes of reuse (treated effluent) or brackish groundwater that were not included in the draft projections.
6. Evidence that holding demands constant from 2040-2080 would better reflect future efficiencies and water use.

Draft Water Demands Projections: Steam-electric



Source: Katie Dahlberg, TWDB

- Same methodology as 2021 RWPs
 - Historical water use survey
 - U.S. Energy Information Administration 860 form – NAICS: 22

Draft Water Demand Projections: Steam-electric (1 of 2)

County	2026 DRAFT Steam-electric Water Demand Projections (AFY)					
	2030	2040	2050	2060	2070	2080
ATASCOSA	7,962	7,962	7,962	7,962	7,962	7,962
BEXAR	76,539	76,539	76,539	76,539	76,539	76,539
CALDWELL	0	0	0	0	0	0
CALHOUN	37	37	37	37	37	37
COMAL	0	0	0	0	0	0
DEWITT	0	0	0	0	0	0
DIMMIT	0	0	0	0	0	0
FRIO	54	54	54	54	54	54
GOLIAD	4,994	4,994	4,994	4,994	4,994	4,994
GONZALES	7,962	7,962	7,962	7,962	7,962	7,962
COUNTY TOTAL	101,741	101,741	101,741	101,741	101,741	101,741

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Draft Water Demand Projections: Steam-electric (2 of 2)

County	2026 DRAFT Steam-electric Water Demand Projections (AFY)					
	2030	2040	2050	2060	2070	2080
GUADALUPE	7,008	7,008	7,008	7,008	7,008	7,008
HAYS	1,949	1,949	1,949	1,949	1,949	1,949
KARNES	0	0	0	0	0	0
KENDALL	0	0	0	0	0	0
LA SALLE	0	0	0	0	0	0
MEDINA	0	0	0	0	0	0
REFUGIO	0	0	0	0	0	0
UVALDE	0	0	0	0	0	0
VICTORIA	3,198	3,198	3,198	3,198	3,198	3,198
WILSON	0	0	0	0	0	0
ZAVALA	0	0	0	0	0	0
COUNTY TOTAL	101,741	101,741	101,741	101,741	101,741	101,741

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Draft Water Demand Projections: Steam-electric *Significant Changes from Last Cycle*

County	Significant Changes from Last Cycle
Bexar	<ul style="list-style-type: none"> Increased net use in 2017-2019 at two CPS Energy Plants (ARTHUR VON ROSENBERG POWER PLANT; OW SOMMERS JT DEELY PLANT JK SPRUCE) Reuse added as a source of water starting in 2015
Goliad	<ul style="list-style-type: none"> Coletto Creek Power LLC net use jumped by almost 3,500 AFY from 2018 to 2019
Hays	<ul style="list-style-type: none"> Hays Energy facility was reported as Hays - K in the 2022 projection. Location was confirmed as Hays - L for the 2027 projection.
Victoria	<ul style="list-style-type: none"> Water use for VICTORIA WLE LP-VICTORIA STEAM POWER STATION significantly decreased after 2012
Wilson	<ul style="list-style-type: none"> Previously proposed plant was canceled

Draft Water Demand Projections: Steam-electric *Criteria for Adjustment*

One or more of the following criteria must be verified by the regional water planning group and the Executive Administrator for consideration of revising the power generation water demand projections:

1. Documentation that the draft projections have not included a facility that warrants inclusion.
2. Any local information related to new facilities or facility closures that may not have been included in U.S. Energy Information Administration report.
3. Evidence of a long-term projected water demand of a facility or a county that is substantially different than the draft projections.
4. Evidence of errors identified in historical water use, including volumes of reuse (treated effluent) water or brackish groundwater that were not included in the draft projections.
5. Evidence that a currently operating power generation facility has experienced a higher dry-year water use beyond the most recent five years, within the most recent 10 years.

Agenda Item 10: Discussion and Appropriate Action Regarding Activities of the Population and Water Demands Workgroup Related to Draft TWDB Data

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Population and Water Demands Workgroup: Establishment

- February 2022: South Central Texas Regional Water Planning Group (SCTRWPG) established Workgroup
- April 2022: First Meeting of the Workgroup to:
 - Discuss and Establish Responsibilities of the Work Group
 - Review Draft Data from TWDB

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Population and Water Demands Workgroup: Summary of Activities

- Elected Mr. Humberto Ramos as Chair
- Established Primary Responsibility of Workgroup: Review TWDB-developed municipal and non-municipal historical data and demand projections and return recommendations to the SCTRWPG to provide to TWDB.
- Reviewed Draft Data Releases from TWDB
- Identified Future Activities
- Developed Recommendation to SCTRWPG

Population and Water Demands Workgroup: Future Activities

- Survey WUGs for Contact Information and Historical Data
- Future workgroup meetings:
 - Hold one meeting per non-municipal use type:
 - Livestock (before August 2022)
 - Manufacturing (before August 2022)
 - Steam-Electric (before August 2022)
 - Irrigation
 - Mining
 - Workgroup will invite SCTRWPG members to attend meetings relevant to their respective interest category

Summary of Recommended Feedback to TWDB

2021 Plan	2026 Plan	County	TWDB Revision	Recommendation by Population and Water Demands Workgroup
PORT OCONNOR MUD	PORT OCONNOR IMPROVEMENT DISTRICT	CALHOUN	Name Change	Agree
CRYSTAL CLEAR WSC	CRYSTAL CLEAR SUD	COMAL/ GUADALUPE/ HAYS	Name Change	Agree
N/A	3009 WATER	COMAL	New WUG	Agree
N/A	C WILLOW WATER	WILSON	New WUG	Agree
N/A	CONCAN WSC	UVALDE	New WUG	Agree
N/A	THREE OAKS WSC	WILSON	New WUG	Agree
N/A	VILLE DALSACE WATER SUPPLY	MEDINA	New WUG	Agree
N/A	RANCHO DEL LAGO	BLANCO	New WUG	Request Removal
MAXWELL WSC	MAXWELL SUD	CALDWELL	N/A	Request Name Change

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Recommendation.

The Population and Water Demands Workgroup Recommends that the SCTRWPG:

- Provide feedback to the TWDB on the Draft WUG List:
 - Accept the TWDB's two proposed name changes (PORT OCONNOR IMPROVEMENT DISTRICT / [CRU] and CRYSTAL CLEAR SUD);
 - Accept the TWDB's proposal of new WUGs except RANCHO DEL LAGO; and
 - Request name change for one WUG (MAXWELL SUD).
- Authorize technical consultant to provide additional feedback, as necessary, to TWDB on behalf of the SCTRWPG should new information become available between today and the TWDB deadline of July 29, 2022.

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