

AGENDA
Lower Colorado Regional Water Planning Group Meeting
April 27, 2022

LCRA Dalchau Service Center
3505 Montopolis Drive
Austin, TX
10:00 a.m.

Regular Meeting:

1. Call to Order – Vice Chair David Wheelock
2. Welcome and Introductions – David Wheelock
3. Receive public comments on specific issues related to agenda items 4 through 11. (Public comments limited to 3 minutes per speaker.)
4. Planning Group Membership
 - a. Attendance report – Teresa Lutes
 - b. Requests to continue serving from members with expired terms – David Wheelock
 - c. Introduce GMA 10 representative Michael Redmond – David Wheelock
5. Consider approval of Minutes – Teresa Lutes
 - a. September 15, 2021
 - b. January 26, 2022
6. Discussion and possible action to authorize the Lower Colorado 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 Plans – David Wheelock
7. Interregional Coordination Activities – David Wheelock
 - a. David Van Dresar and Anne McElroy were sent as the representative and alternate, respectively, for the Interregional Planning Council
 - b. Updates from liaisons to neighboring planning regions
 - i. Liaison to Region G: Michael Redman
 - ii. Liaison to Region J: Paul Tybor

- iii. Liaison to Region L: Ron Fieseler
- iv. Liaison to Region P: Daniel Berglund
- v. Liaison to Region F: empty
- vi. Liaison to Region H: empty

8. Texas Water Development Board (TWDB) Report

- a. Update on regional water planning activities and schedules – Lann Bookout

9. Consultant Report – Stephanie Moore, INTERA

- a. Regional Water Planning 101 (maximum 20 minutes)
- b. Progress to date
 - i. Draft Livestock, Manufacturing and Steam Electric demand projections
 - ii. Municipal WUG list, GPCD, historical population and water use (scheduled Mar 2022)
 - iii. Schedule Population and Demand Projection Committee meeting
 - iv. Website updates
- c. Upcoming efforts

10. Upcoming meetings:

- a. Location and date of next RWPG meeting
- b. Other committee meetings

11. New / Other Business (time permitting)

12. Public Comments – limit 3 minutes per person

13. Adjourn

**The Lower Colorado River Water Planning Group (Region K)
for April 27, 2022 agenda packet**

Region K Members Fund Balance 3/31/2022: \$ 2,722.26

Region K Cycle 6 Grant Fund Balance 3/31/2022: \$25,808.75

Prime Summary: INTERA Incorporated PO#131282					
LABOR PER TASK		Budget	Total Spend	Remaining	% Complete
<i>Task Breakdown</i>					
Task 1	Planning Area Description	\$11,312	\$1,440.00	\$9,872.00	13%
Task 2A	Non-municipal Water Demand Projections	\$22,016	\$90.00	\$21,926.00	0%
Task 2B	Population & Municipal Water Demand Projections	\$35,116	\$180.00	\$34,936.00	1%
Task 8	Recommendations/Unique Stream Segments/Reservoir Sites and Legislatives/Regional Policy Issues	\$9,633	\$0.00	\$9,633.00	0%
Task 10	Public Participation & Plan Adoption	\$77,503	\$4,620.32	\$72,882.68	6%
TOTAL		\$155,580	\$6,330.32	\$149,249.68	4%

4.a. Attendance Report

Lower Colorado Regional Water Planning Group Meeting Voting Member Attendance Record
for Secretary's LCRWPG Voting Member Attendance Report on 4/27/2022

Regular meetings held over the past 2 years are shown.

Voting Members									
Name	Interest	County	Year Term Expires*	9/15/2020 Virtual	10/14/2020 Virtual	1/27/2021 Virtual	7/21/2021 Virtual	9/15/2021 Dalchau Service Center Austin	1/26/2022 Dalchau Service Center Austin
1 Berglund, Daniel	Small Business	Wharton	2026	x	x	Absent	x	Absent	x
2 Brasher, Jim	GMA 15	Colorado	n/a	x	x	x	x	x	x
3 Castlebury Christianne	Water Utilities	Bastrop	2027						x Elected
4 Fieseler, Ron	GMA 9	Blanco	n/a	x	x	x	x	Absent - Alternate Attended	x
5 Gillam, Lauri	Municipalities	Travis	2023	x	x	x	x	x	x
6 Johnson, Barbara	Industries	Travis	2022	x	x	x	x	x	x
7 Lindsay David	Recreation	Travis	2024	x	x	x	x	x	x
8 Ludwig, Jason	Electric Gen. Utilities	Matagorda	2026	x	x	x	Absent	Absent	x
9 Luther Jim	Counties	Burnet	2022	x	x	x	Absent	x	x
10 Lutes, Teresa	Municipalities	Williamson	2022	x	x	x	Absent - Alternate Attended	Absent - Alternate Attended	x
11 McElroy, Ann	Environmental	San Saba	2022	x	x	x	Absent	Absent	x
12 Olewin Carol	Public	Travis	2026					x Elected	x
13 Olfers, Charles	Agriculture	Gillespie	2023	x	Absent	x	x	Absent	Absent - Alternate Attended
14 Reagor, Mike	Municipalities	Llano	2023	x	x	x	x	x	x
15 Redman Michael	GMA 10	Travis	n/a						x Appointed by GMA
16 Ruggiero, Robert	Small Business	Travis	2024	x	x	x	x	x	x
17 Sliva, Paul	Agriculture	Matagorda	2026	x	Absent	Absent	Absent	Absent	x
18 Sodek, Mitchell	GMA 8	Burnet	n/a	Absent	x	x	x	x	Absent - Alternate Attended
19 Theodosis, Byron	Counties	San Saba	2026	x	Absent	x	x	x	x
20 Totten, Jim	GMA 12	Bastrop	n/a	x	x	x	x	Absent	x
21 Tybor, Paul	GMA 7	Gillespie	n/a	x	x	x	x	x	x
22 Uecker, Emil	Counties	Blanco	2027						x Elected
23 Van Dresar, David	Water Districts	Fayette	2024	x	x	x	x	x	Absent
24 Walker, Jennifer	Environmental	Travis	2022	x	x	Absent - Alternate Attended	x	x	x
25 Wheelock, David	River Authorities	Travis	2023	x	x	x	x	x	x

*Jan. 1/Dec. 31st of previous year (for example, 2021 terms expire Dec. 31st, 2020)

4.b. Requests to continue serving from members with expired terms

Voting Members with Terms Expired in 2022

Voting Members with Terms Expired in 2022				
Name		Interest	County	Request to Continue Submitted
Johnson,	Barbara	Industries	Travis	Yes
Luther	Jim	Counties	Burnet	Yes
Lutes,	Teresa	Municipalities	Williamson	Yes
McElroy,	Ann	Environmental	San Saba	Yes
Walker,	Jennifer	Environmental	Travis	Yes

4.c. Introduce GMA 10 representative
Michael Redman



**Barton Springs
Edwards Aquifer**
CONSERVATION DISTRICT

March 28, 2022

Via email

Regional Planning Group K
Attention: David Van Dresar
PO Box 220
Austin, Texas 78767

RE: GMA 10 Representation on Regional Planning Group K (Region K)

Dear Mr. Van Dresar,

On September 1, 2021, Vanessa Escobar left the District and therefore leaving the GMA 10 member position vacant. On February 22, 2022, Groundwater Management area 10 (GMA 10) appointed Michael Redman to fill the vacancy and act as representative for GMA 10 on Region K.

If you have any questions, please do not hesitate to reach out.

Thank you,

Michael Redman
Regulatory Compliance Manager
GMA 10 Chairmen
BSEACD
1124 Regal Row
Austin, TX 78748

5.a. September 15, 2021 Meeting Minutes

Draft Meeting Minutes
Lower Colorado Regional Water Planning Group
Public Hearing and Regular Meeting

September 15, 2021
LCRA Dalchau Service Center
3505 Montopolis Drive
Austin, TX
10:00 a.m.

Note: These draft Public Hearing and Regular Meeting minutes have been revised to address comments about the content of the minutes received during the January 26, 2022 Regular LCRWPG Meeting. The revisions are highlighted in grey in the text below, on pages 1 and 5.

Public Hearing Minutes:

1. **Call to Order** – Chair David Van Dresar called the Public Hearing to order at 10:00 am. The purpose of the Public Hearing was conducted to receive public comments on issues or provisions to be Included in 6th cycle of water planning for Region K.
2. **Welcome and Introductions** – Vice Chair David Wheelock shared information on the process to post notice for the Public Hearing.
3. **Public Comments on Issues or Provisions to be Included in 6th Cycle of Water Planning**
 - Sue Thornton, representing Central Texas Water Coalition - Ms. Thornton expressed that from her point of view the Region K Water Availability Model (WAM) is overly optimistic, and provided three specific recommendations:
 - i. Recommended taking more cautious approach to calculate water availability, including a preference for safe yield rather than firm yield
 - ii. Recommended further study of decreased inflows to the Highland Lakes
 - iii. Recommended consideration of conservation and reuse strategies, including water rates and pricing, gathering metrics on water use to assess success of conservation efforts. Noted that these rates and pricing metrics should be used across all types of water users.

Andrew Wier, representing the Simsboro Aquifer Water Defense Fund (SAWDF), described the SAWDF goal of protecting groundwater rights in Lee, Milam, Burleson, and Bastrop counties. Mr. Wier asked the planning group to emphasize reuse, conservation, and aquifer storage and recovery (ASR) strategies, and recommended that the regional water planning group (RWPG) look at the interaction between surface water and groundwater in more detail. Modeling done with the 2020 GAM for GMA 12 shows that groundwater pumping is curtailed by 59,000 acre-feet in late 2030s or 2040; water is still produced in the model, but it is coming from the Colorado River through the aquifer. The speaker expressed awareness of multiple plans for additional pumping in the area and expressed concern that this could result in reduced flows in the Colorado River downstream of Austin.

- John Carlton, Special Counsel representing Travis County WCID No. 10, noted that they will have written comments before deadline. WCID No. 10 has been a wholesale customer of Austin Water since the 1950s. They will be submitting proposed corrections for the 2022 Region K plan, including population, water demand, and water management strategies.
4. **Adjourn** – John Burke motioned to close the Public Hearing, David Lindsay seconded. All in favor. The Public Hearing closed at 10:16 am

Regular Meeting Minutes:

Members Signed in:

Jim Brasher	Robert Ruggiero
John Burke	Mitchell Sodek
Lauri Gillam	Byron Theodosios
Michael Redman (GMA 10)	Paul Tybor
Barbara Johnson	David Van Dresar
David Lindsay	Jennifer Walker
Jim Luther	David Wheelock
Mike Reagor	Paul Babb (Alternate for Ron Fieseler)
Marisa Flores Gonzalez (Alternate for Teresa Lutes)	Carol Olewin (Alternate for Karen Haschke)
Emil Uecker (Alternate for James Sultemeier)	

Voting Members Absent

Daniel Berglund	Paul Sliva
Jason Ludwig	Jim Totten
Ann McElroy	Charles Offers

Support/Consultants/Visitors

Walt Smith, Hays County	Augusto Villalon, FNI
Lann Bookout, TWDB	John Carlton, Travis Co. WCID #10
Lissa Gregg, FNI	Jamie Burke, B&V
David Buzan, FNI	Andy Wier, SAWDF
Neil Deeds, INTERA	Rex Hunt, Plummer
Christianne Castleberry, CEG	Tyler Hjorth, San Marcos
Robert Adams, Plummer	Lauren Mayes, TDA
Jason Afinowicz, FNI	David Marino, BSEACD
Cecilia Green, Blanton & Associates	Erin Swanson, BSEACD
Blake Neffendorf, City of Buda	Ron Anderson, LCRA
Stephanie Moore, INTERA	Sara Eatman, Austin Water
Helen Gerlach, Austin Water	Sara Hoes, Austin Water
Vanessa Escobar, Blanton & Associates	Velma Danielson, Blanton & Associates
Katie Snyder, Black & Veatch	

Quorum

Quorum: yes

Number of voting members or alternates representing voting members present: 19

Number required for quorum per current voting membership of 25: 13

Number of voting members required for 2/3 vote: 17

Formal Actions Taken:

1. Carol Olewin was elected to represent the Public interest category, replacing Karen Haschke
2. Minutes from the July 21, 2021 regular meeting were approved as written

Minutes:

1. **Call to Order** – Chairman David Van Dresar called the meeting to order at 10:16 a.m. A roll call of the planning group members was taken to record attendance.
2. **Welcome and Introductions** – Chairman David Van Dresar welcomed all to the meeting.
 - Roll Call
3. **Introduction of new Region K consultant** – Chairman David Van Dresar introduced Barbara Johnson, Chair of the Consultant Selection Committee.
 - Barbara Johnson provided an overview of the process to review consultant applications, including listing Consultant Selection Committee members and describing LCRA support provided to ensure the committee was following purchasing rules and process. Two submissions were received, one from INTERA and one from Black and Veatch. INTERA scored higher in the selection process and the committee unanimously recommended INTERA.

Stephanie Moore introduced herself as a hydrologist as well as the Region K project manager for INTERA. She described INTERA's consultant team which includes INTERA, Plummer, Freese and Nichols, and Blanton & Associates. Ms. Moore mentioned resilience, conservation, and conjunctive management as key themes to incorporate in the next planning round. Stephanie Moore then introduced Project Principal Neil Deeds, PhD, P.E., and four senior team members, Van Kelley, Rex Hunt, PE, Simone Kiel, and Velma Danielson. Stephanie also introduced team members present at the meeting, including Jason Afinowicz PE, Lissa Gregg, PE, Robert Adams, PE, Cecilia Green, Vanessa Escobar and lastly Dave Buzan. Jennifer Walker requested a copy of the consultant presentation and asked for slides prior to and/or at the meetings; Stephanie noted that we will review standard practices for how and when to post information based on revised state guidance.

4. **Regional planning schedule for sixth round of Regional Water Planning** – Stephanie Moore provided a schedule for the sixth round of planning. The consultant team has divided the planning process into four phases:
 - Pre-planning: prior to TWDB draft data availability;
 - Core planning: begin when data is delivered from TWDB, and includes the Technical Memorandum, due 3/4/2024;
 - IPP: due 3/3/2025;
 - Final Plan: is due 10/20/2025.

Stephanie also noted that they would be happy to meet with the planning group members and share onboarding materials.

5. **Discuss nominations received for Public Interest and Counties membership positions. Discuss and take action to fill Public Interest and Counties positions on Region K Group.** – Vice Chair David Wheelock provided an overview of the vacancy postings, in accordance with Texas Open Meetings Act and TWDB rules. Chair David Van Dresar noted that election of a new voting member requires a 2/3 vote of the voting membership (17, based

on voting membership of 25) to approve the nomination, and offered nominees the opportunity to speak to the planning group, if desired.

- Public Interest: Carol Olewin, Public Interest nominee, noted that she has served on various boards and is a long time Travis County resident, and expressed her interest in serving in this position. John Burke made a motion to approve the nomination and Lauri Gilliam seconded. During discussion, David Wheelock noted Karen Haschke's years of service. Motion was approved with all voting in favor.
- Counties. Chair David Van Dresar noted that three nominations were received for the Counties vacancy and gave the nominees an opportunity to speak to the group.
 - Emil Uecker, Blanco County Commissioner, spoke and is the current Counties alternate. He noted his 22 years working with James Avery and his experience in domestic water and industrial waste, including working to write procedures to recover industrial waste. His intention is to make things better for those that follow.
 - Walt Smith spoke and noted that he is County Commissioner for Hays County and noted the importance of water in his fast-growing county. He described his experience in the legislature as well as the agriculture commission. He worked in agriculture at Capitol Hill and had started the office for the National Rural Water Association in DC. He currently serves on the board of the West Travis County Public Utility Agency (WTCPUC) as secretary and treasurer. His focus in North Hays and Western Travis Counties is preservation of groundwater to support growth.
 - Mayor Rachel Lumpee was not present to speak.

Chair David Van Dresar opened the floor for any other nominees beyond those already nominated, no other nominations were made.

Jennifer Walker nominated Walt Smith due to the growth of Hays County. Lauri Gillam seconded that nomination. Chairman David Van Dresar the opened up the floor for discussion. Barbara Johnson recognized Emil Uecker's service as alternate for James Sultemeier, former Blanco County Commissioner, who vacated the position that was posted for and noted that Walt Smith brings a depth and range of experience to this process and supported his nomination. Jim Brasher also noted that Hays County is heavily populated and expressed concern about rural counties not being sufficiently represented. Jennifer Walker noted that planning group has the latitude to review membership makeup and add/or change positions. It was also noted that we need representation from Blanco County. Jim Brasher sought clarification on the maximum total number of planning group members. Lann Bookout, TWDB, noted that he would check to see if there are any statutory or rule limits. It was noted that Region L has 30 planning group members. Jennifer Walker added that the bylaws currently limit the RWPG to 25 voting members; any additional members would require a change to the bylaws. It was also noted that GMA 9 represents Hays County. Planning group member Judge Byron Theodosios noted that he would like to have both Emil Uecker and Walt Smith serve on the group. Chairman Van Dresar called for a vote on the motion. The motion did not pass on a vote of six in favor and eleven opposed.

Chair Van Dresar called for any other nominations. There were none.

Judge Theodosius made a motion and Paul Tybor seconded the motion to nominate Emil Uecker for Counties interest vacancy. The motion did not pass on a vote of twelve in favor and five opposed.

Since a 2/3 majority was not achieved to elect a new Counties interest representative, the group consensus was to table the issue and re-visit it at the next meeting. The group discussed that the Bylaw Committee should convene to review the bylaws including a review of the number of voting members (see Agenda Item 10, below). It was noted that the Bylaws Committee should consider the number of voting members with respect to geographic representation. Members discussed the high quality of candidates.

- 6. Receive public comments on specific issues related to agenda items numbers 9 through 12 – None.**
- 7. Attendance report and financial Report –** Marisa Flores Gonzalez called roll at the beginning of the meeting and referred individuals to the financial report included in the packet.
- 8. Approval of Minutes from the July 21, 2021 regular meeting –** John Burke moved approval of the minutes as written and the motion was Seconded by Michael Redman. The motion passed with none opposed.
- 9. Texas Water Development Board (TWDB) –**
 - a. Update on regional water planning activities and schedules: Lann Bookout provided a report on the status of the mining water use study being conducted with the University of Texas to update demand projections for the 2026 plan, the Interregional Planning Council (IPC) nomination process, the rulemaking process, updates to the Planning Round 6 website, and the status of an interactive site for the current state plan. Lann also provided a legislative update HB 1905, SB 669, HB 2225. Lann noted that funds would begin to populate the expense budget soon. Jim Brasher noted that Colorado County has significant sand and gravel mining and asked for process to gather information to make those numbers more accurate. Lann directed him to the study website and said he would make the slides available.
- 10. Discussion of Region K bylaws. –**
 - a. Bylaws Committee Membership: Bylaws Committee Chair Barbara Johnson identified some areas where clarifications and updates may be considered in the current (2013) Bylaws. Current Bylaws Committee Members are Barbara Johnson, Teresa Lutes, Dave Lindsay, Rob Ruggiero, and Paul Tybor, all of whom are willing to continue sitting on the committee; Chair Van Dresar charged the committee with reviewing the bylaws to address membership and representation questions and a general review as mentioned by Ms. Johnson.
 - b. Contact information as required by the bylaws: The group discussed what type of contact information is currently required by the bylaws and whether that needs to be updated.
- 11. Discussion of interregional coordination efforts –** Vice Chair David Wheelock introduced the item as an introductory discussion with no action required. Stephanie Moore provided an

overview of the Interregional Coordination guidance from TWDB. She noted that many RWPGs have liaisons that attend adjacent RWPG meetings, although it is not required. The RWPG will be required to select a representative to serve on the Interregional Planning Council spring of 2022, but no action is required at this time.

12. Communications from neighboring regional water planning groups – Chair Van Dresar recognized Diane Wassenich, who serves on Region L. Region L has had a number of retirements, and therefore has many new members including leadership positions. Region L sought to choose their consultants through a new selection committee process which did not result in an approved selection; tabled for a future meeting.

13. Agenda items for next meeting –

- LCRA's Dalchau Service Center, Wednesday, January 26, 2022 at 10 am
- Bylaws Committee to meet before January 26, 2022

14. New/other business – David Lindsay asked how the public comments provided would be taken into account. Stephanie Moore noted that the comments will be compiled and provided to the group for consideration.

John Burke stated that he is resigning from the planning group and recommends his Designated Alternate Christianne Castleberry as his replacement. The consensus of the RWPG was that the position would need to be filled through a public notice and the nominations process.

15. Public Comments – None.

16. Adjourn – The meeting was adjourned at 12:07 pm

5.b. January 26, 2022 Meeting Minutes

Draft Meeting Minutes
Lower Colorado Regional Water Planning Group
Regular Meeting
January 26, 2022

Hybrid Meeting, Offered on Zoom and In-Person
LCRA Dalchau Service Center
3505 Montopolis Drive, Austin, TX
10:00 a.m.

Members Signed in:

Daniel Berglund	Mike Reagor
Jim Brasher	Michael Redman
John Burke	Robert Ruggiero
Ron Fieseler	Byron Theodosios
Lauri Gillam	Jim Totten
Barbara Johnson	Paul Tybor
David Lindsay	Jennifer Walker
Jason Ludwig	David Wheelock
Teresa Lutes	Dennis Neffendorf (Alternate for Charles Olfers)
Jim Luther	Paul Babb (Alternate for Mitchell Sodek)
Ann McElroy	Emil Uecker (Alternate for James Sultemeier)
Carol Olewin	Paul Sliva

Voting Members Absent:

Charles Olfers	David Van Dresar
Mitchell Sodek	James Sultemeier

Non-Voting Members Signed In:

Lawrence Brown, Jr., Texas State Soil and Water Conservation Board	Lann Bookout, TWDB
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Non-Voting Members, Support, Consultants, and Visitors:

Alyson McDonald, Collier Consulting	Annette Keaveny, LCRA
Andy Wier, SAWDF	Augusto Villalon, FNI
Blake Neffendorf, City of Buda	Charlie Flatten, Hays-Trinity GCD
Christianne Castleberry, CEG	Walt Smith, Hays County
Cindy Hobson, TPWD	Cindy Smiley
David Marino, BSEACD	David Villareal, Texas Department of Agriculture
Dianne Wassenich, Region L	Earl Foster, Lakeway MUD
Helen Gerlach, Austin Water	Jamie Burke, B&V
Jason Afinowicz, FNI	Jason Homan, Travis County WCID 17
Jennifer Schein	Jo Karr Tedder, Central Texas Water Coalition
Vanessa Escobar, Blanton & Associates	Joe Don Dockery
Justin McMahon	Josh Becker, City of Llano
Karen Haschke	Valerie Miller, LCRA
Marcus Richardson	Lauren Gonzalez, B&V
Marcin Tyszka	Marisa Flores Gonzalez, Austin Water
Stephanie Moore, INTERA	Monica Masters, LCRA
Sara Eatman, Austin Water	Sarah Backhouse, TWDB
Sara Hoes, Austin Water	Stacy Pandey, LCRA

Quorum

Quorum: yes

Number of voting members or alternates representing voting members present: 24

Number required for quorum per current voting membership of 25: 13

Number of votes required for 2/3 majority of voting membership approval: 17

Formal Actions Taken:

1. The Nominating Committee recommendations to elect the following Officers and Executive Committee for calendar year 2022 was approved:
 - David Van Dresar - Chair,
 - David Wheelock - Vice-Chair,
 - Teresa Lutes - Secretary,
 - Daniel Berglund – At-large Member
 - Byron Theodosis, – At-large Member
 - Jennifer Walker – At-large Member
2. Revisions to the Bylaws recommended by the Bylaws Committee, with the exception of the recommendation to increase the number of voting members, were approved.
3. Emil Uecker was elected to represent the Counties interest.
4. Christianne Castleberry was elected to represent the Water Utilities interest.
5. Chair David Van Dresar was approved to be the Region K nominee to the Interregional Planning Council. Anne McElroy was approved to be the alternate to Chair Van Dresar.
6. Certification of LCRA's billing to TWDB for administrative expenses related to Task 10 work for the entire Planning Cycle 5 was approved.

Minutes:

1. **Call to Order** – Vice Chair David Wheelock called the meeting to order at 10:12 a.m.
2. **Welcome and Introductions** – Vice Chair David Wheelock welcomed all to the meeting and asked Teresa Lutes to call roll to record attendance.
 - Roll Call, 23 members present (including 3 alternates) – note that one additional voting member arrived after roll call for a total of 24 members present (including 3 alternates)
3. **Public Comment:**
 - Blake Neffendorf, City of Buda.
 - Noted a correction to the minutes from the September meeting, incorrectly stating Walt Smith's board membership, Hays Caldwell Public Utility Agency (HCPUA) should be West Travis County Public Utility Agency (WTCPUA)
 - Agenda item 5, talking about term expiration dates, noted that he thinks that Groundwater Management Area (GMA) and river authority members do not have an expiration date, suggested striking those categories from the expiration discussion
 - Reiterate that the City of Buda supports Walt Smith for the Counties position, as shown in the letter they submitted
 - Jason Homan noted that he prefers to speak during his nomination item
 - Joe Don Dockery – Regarding bylaws under item 8, suggests adding another water utility position in an effort to strive for diversity. Would also be a good time to add additional voting member positions for water supply and management for diversity and coverage

reasons. From his perspective, the group has one river authority representative, seven groundwater area representatives, and only one water utility representative. The water utility area is what supports the area's dramatic growth and conservation. At least 3 other regions have multiple water utility positions. All water strategies need to go through this board. Need to address both surface and groundwater. There are two good nominees, should make an effort as a board to incorporate both people. Burnet County Commissioners took action and expressed unanimous support of Jason Homan. Two commissioners, Ann Howard and Brigid Shea from Travis County, represent about ½ million people and have submitted letters of support for Jason Homan.

- Andy Wier submitted a correction to the minutes from the September 2021 meeting. Mr. Wier expressed that he wanted to correct the way his comments from the September 2021 Public Hearing were reflected in the draft minutes. Mr. Wier expressed interest in noting that when groundwater pumping increases you can take water from surface waters, so there is a concern about risk of double counting.

4. **Consider approval of Minutes from the September 15, 2021 regular meeting** – Two changes were requested; Walt Smith is a board member of the West Travis County PUA, not the Hays County PUA, and Andy Wier requested that the summary of his public comment regarding groundwater in the The committee decides to table the approval until the stated corrections are made. Mr. Wier provided the language in the group chat for all to review.
5. **Attendance report** – Teresa Lutes noted that the attendance report is in the packet. It was requested that members check the attendance report and provide any corrections, as needed.
6. **Discuss term expiration for several voting members and take action as needed** – Teresa Lutes noted that the members with terms expiring include: Ann McElroy, Barbara Johnson, Jim Luther, Teresa Lutes, and Jennifer Walker. Term limitations do not apply to GMA representatives. Members interested in continuing to serve on the planning group should e-mail Sara Eatman and this item will be taken up again at the upcoming planning group meeting.
7. **Report on Nominating Committee Recommendations** – Ann McElroy, Chair of Nominating Committee presented the Nominating Committee recommendations.

The Nominating Committee met and are recommending the following Officers and Executive Committee for calendar year 2022:

- David Van Dresar - Chair,
- David Wheelock - Vice-Chair,
- Teresa Lutes - Secretary,
- Daniel Berglund – At-large Member
- Byron Theodosis, – At-large Member
- Jennifer Walker – At-large Member

A motion to approve the Nominating Committee recommendations for the Officers and Executive Committee for calendar year 2022 was approved unanimously.

8. Committee Reports

a. Bylaws Committee

- i. Report on recommendation for changes to the LCRWPG Bylaws

Barbara Johnson, Chair of the Bylaws Committee, reported that the committee met several times to address two issues; first, the composition of Region K, and second to align the bylaws with TWDB and other guidance and for readability. Ms. Johnson outlined major highlights from the proposed bylaws revisions:

- a) Recommends the addition of one seat for a total of twenty-six (26) in an effort to improve geographic representation,
 - b) Changes wording to clarify the process for how GMA representatives are appointed,
 - c) Changes the limitations on the roles of alternates for officers which prevent them from serving in the place of the officer to not apply to the alternate for the Secretary,
 - d) Adds clarifying language in line with Texas Open Meetings Act, including that a quorum is defined as the majority of voting members excluding vacancies.
- ii. Discuss and take action on recommendation for changes to the LCRWPG Bylaws from Bylaws Committee. Note that a 2/3 majority approval is required.
- Committee Chair Johnson made a motion, John Burke seconded, to amend the Bylaws as recommended by the Bylaws Committee.
 - An amendment to the original motion to raise the number to 27 was made by David Lindsay and seconded by Jim Luther.
- Discussion on the amendment: Jim Brasher gave a presentation which described the distribution of water demand around the region and advocated for additional representation for lower basin interests.
- The amendment to the original motion proposing 27 voting members instead of 26 did not pass by a roll call vote 4 in favor and 20 opposed.
 - The original motion to accept the bylaws as recommended by the committee did not pass by a roll call vote of 11 in favor, 11 opposed, and 2 abstentions.
 - Jim Brasher made a motion, Daniel Berglund seconded, to accept all changes as recommended by committee, with the exception of the recommendation (a) to increase the number of voting members. The motion passed with 21 in favor, 1 against, 2 abstentions.

b. Executive Committee

Teresa Lutes, Secretary, provided a report on January 6, 2022 Executive Committee meeting and recommendations to fill vacancies. The Executive Committee recommendations:

- Emil Uecker for the Counties position
 - Walt Smith for an additional vacancy if the proposed Bylaws change to increase the number of voting members to 26 is approved by the planning group
- (Note: the planning group did not vote to approve the proposed Bylaws change to increase the number of voting members to 26)
- Christianne Castleberry for the Water Utilities position

9. Consider election of voting members to fill vacancies

- a. Discuss and take action on filling the Counties interest representative vacancy:

A motion was made by Teresa Lutes, seconded by Ron Fiesler, to approve the Executive Committee recommendation for Emil Uecker to fill the single County representative vacancy. The motion passed by a roll call vote of 18 in favor, 4 against, and 1 abstention (by Emil Uecker). Note that for this vote, one voting member who had been in attendance was out of the room for this vote.

There were no additional nominations from the floor.

b. Discuss and take action on Water Utilities interest representative vacancy:

A motion was made by Jennifer Walker, seconded by Lauri Gillam, to approve the Executive Committee recommendation of Chrisitanne Castleberry for the Water Utilities representative vacancy.

David Lindsey made a nomination from the floor, seconded by Jim Luther, to nominate Jason Homan for the Water Utilities representative vacancy. Vice Chair Wheelock asked both candidates to introduce themselves

Chrisitanne Castleberry addressed the planning group in regard to her interest in representation for the Water Utilities vacancy. Ms. Castleberry has served as John Burke's alternate on the planning group and has attended planning group and committee meetings for a number of years. Ms. Castleberry has a BS and MS in Civil and Environmental Engineering from UC Davis and is a Professional Engineer in Texas and California. She has over 26 years in experience working for, with, and in direct representation of water utilities, planning and designing water supply projects and serving with Texas Section of the AWWA and on other boards.

Jason Homan introduced himself to the planning group. He is the General Manager of Travis County WCID 17 (45,000 residents served with water and wastewater services). As a water utility manager, he is responsible for every facet of water planning of a growing utility and understands the importance of water planning, conservation, financing, and other vital factors. He has support from municipal, political, and business interests. As an experienced water utility manager Mr. Homan expressed that he would serve a valuable role, would provide valuable perspective, and would represent water utilities across the region.

A roll call vote was first held on the motion to approve the Executive Committee recommendation of Chrisitanne Castleberry for the Water Utilities representative vacancy. This motion passed with 20 in favor and 3 against. Note that for this vote, one voting member who had been in attendance was out of the room for this vote.

Since the approval of this motion filled the vacancy, then a vote on the nomination from the floor was not needed.

10. Recognize recently resigned members.

David Wheelock recognized recently resigned members of the Lower Colorado Regional Water Planning Group: Karen Haschke, John Burke, and James Sultemeier, in appreciation of their years of service.

11. Texas Water Development Board (TWDB) Report

Lann Bookout provided an update on regional water planning activities and schedules. As an update of efforts, the comment period on TWDB proposed rules, including rules related to regional water planning closed on the 31st of May. The final rules will be taken to the TWDB in the Spring. Lann offered that TWDB is happy to provide presentations on any of the upcoming projections and on an ASR study that is being conducted in the area. The projections were recently sent out for livestock, steam and electric. In March, the water user group lists will be released and the historical population, net use, and GPCD information for each group will be included for review. In August the irrigation and mining projections are planned to be released. Requests for changes are due in July 2023 to the non-municipal projections. August 2023 is the deadline for requests for changes to the municipal demand projections.

12. Consultant Report – Stephanie Moore, INTERA

- **Progress to date-** Contracting is complete.
- **Upcoming efforts-** Preliminary projections have been released by the TWDB for some sectors. Stephanie requested that anyone with specific concerns about the projections can reach out to her to let her know. Ms. Moore asked the committee about interest in holding a regional planning 101 meeting to refresh and go over the process and policies for the next meeting.

13. Interregional Coordination Activities –

- **Interregional Planning Council.** David Wheelock discussed the deadline for nominations and requested nominations for a representative and alternate for the Interregional Planning Council. Teresa Lutes made a motion for David Van Dresar to be the nominee for the Interregional Planning Council which passed unanimously. Jennifer Walker made a motion for Anne McElroy to be the alternate, and Teresa Lutes seconded; the nomination passed unanimously. Lann Bookout requested that these nominations be submitted in an email to TWDB
- Members who have offered to serve as liaisons to other Regional Water Planning Groups were discussed. The member liaisons are:
 - Michael Redman – Region G
 - Ron Fielser – Region L
 - Paul Tybor – Region J
 - Daniel Berglund - Region P

14. Discuss certification of any administrative expenses related to Task 10 work and take action, as needed. David Wheelock described that there are mailing and posting costs associated with the public notification processes that are incurred by LCRA as the administrator; these are all direct expenses, no overhead, which can be reimbursed under the TWDB's regional water planning rules. Vice-Chair Wheelock requested a motion and a second to approve certification of LCRA's billings to TWDB for administrative expenses related to Task 10 work for the entire Planning Cycle 5. This is for reimbursement to LCRA for direct out of pocket costs required for public notices of public hearings. The motion was made by Lauri Gillam, seconded by Mike Reagor, and the motion passed.

15. Review, discuss, and update committee membership rosters as needed. David Wheelock asked the committee to email him directly if interested in joining or continuing membership.

16. Upcoming meetings:

- Date of next RWPG meeting- April 27, 2022
- Other committee meetings- David Wheelock mentioned that he will be unable to attend the TWDB Chairs Conference call at 2:00 pm (1/26) and asked for a volunteer to cover the meeting (Teresa Lutes and Stephanie Moore said that can plan to attend). Jennifer Walker requested materials from the Chairs Conference be shared out to the planning group.

17. New / Other Business - None.



18. Public Comments – None.

19. Adjourn- The meeting was adjourned at 12:49 pm

9. Consultant Report - Stephanie Moore,
INTERA

Agenda Item 9 Consultant Report

- a. Regional Water Planning 101
- b. Progress to date
 - i. Draft Livestock, Manufacturing and Steam Electric demand projections
 - ii. Municipal WUG list, GPCD and historical population and water use
 - iii. Schedule Population and Demand Projection Committee meeting
 - iv. Website updates
- c. Upcoming efforts

1


Agenda Item 9a Regional Water Planning 101

Regional Water Planning in Texas

Introduction | Modified for 6th Cycle!

Prepared by
Water Use, Projections, & Planning
Texas Water Development Board
Updated February 2017


TWDB Disclaimer: The following presentation is based upon professional research and analysis within the scope of the Texas Water Development Board's statutory responsibilities and priorities but, unless specifically noted, does not necessarily reflect official Board positions or decisions.



2

Overview

- Background on regional and state water planning in Texas
- Overview of regional water planning groups
- Fundamentals of water planning
- Foundation of the State Water Plan

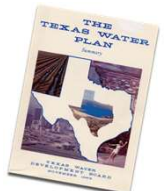



3

Water Planning: Legislative Response to Drought

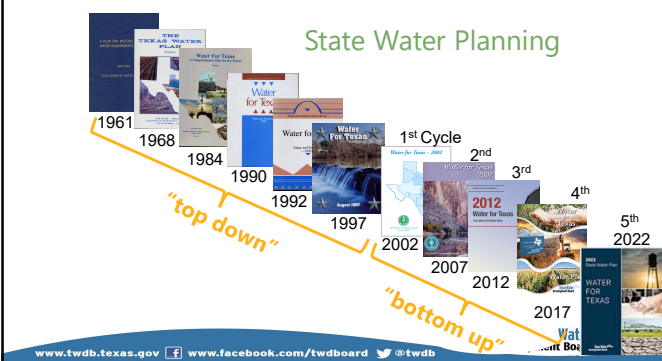
1950s – Drought of Record

- 1957: Creation of TWDB
- \$200 million in Water Development Fund


4

State Water Planning



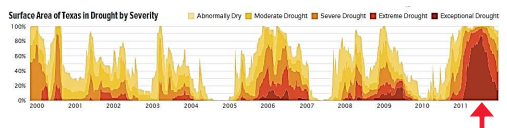
1961, 1968, 1984, 1990, 1992, 1997, 2002, 2007, 2012, 2017, 2022

1st Cycle, 2nd, 3rd, 4th, 5th



5

Why do we plan?




Surface Area of Texas in Drought by Severity

- Abnormally Dry
- Moderate Drought
- Severe Drought
- Extreme Drought
- Exceptional Drought

October 4, 2011

*regional water planning focuses on drought impacting water supplies



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Overview of Regional Water Planning Groups

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Diverse interest groups represented

www.twdb.texas.gov

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Voting Member Categories

Statutory interests:

- Public
- Counties
- Municipalities

- Industries
- Agriculture
- Environment
- Small businesses

- Electric-generating utilities
- River authorities
- Water districts
- Water utilities
- Groundwater management areas (varies by region)

There are approximately 370 voting members in the 16 groups

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Key Responsibilities of Planning Group Members

- Represent interest category and region
- Develop a plan that serves region and state
- Consider local water plans
- Ensure adoption of a regional water plan by the statutory deadline that meets all requirements

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How do planning groups function?

- Select a host political subdivision
- Select technical consultants
- Self-govern (maintain own bylaws and membership)
- Hold regular public meetings and sub-group meetings as necessary
- Consider stakeholder input and make decisions in accordance with bylaws

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Public Notice Requirements

- Subject to Texas Open Meetings Act
- Follow significant public notice requirements (requirements vary depending on activity)
- Must hold initial preplanning public meeting for input on the next plan
- Must present how the planning group will identify potentially feasible water management strategies at a public meeting

<https://www.texasattorneygeneral.gov/open-government/governmental-bodies/pia-and-oma-training-resources/open-meetings-act-training>

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Funding the Planning Process

- Legislative appropriations
- RWPGs apply for funding (based on 5-year cycles)
- Funding through TWDB contract with political subdivision
- Political subdivisions subcontract with technical consultants
- RWPGs direct work of consultants

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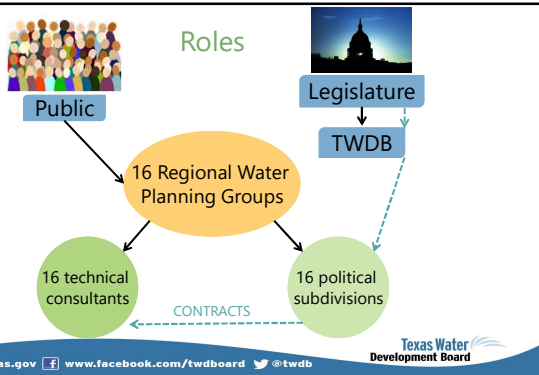
Relevant Documents

- Statute
- Administrative rules
- Contract Scope of Work/Task budget
- Contract Exhibit C – general guidelines for regional water plan development
- Contract Exhibit D – guidelines for data deliverables

http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2021/current_docs.asp

14

Roles



15

Incentives to Participate

- TWDB funding
- TCEQ permitting



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Fundamentals of Water Planning

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Basic Planning Parameters

- Meet **drought of record** water needs
- 50-year planning horizon
- 5-year planning cycle
- 6 categories of water use: municipal, manufacturing, mining, irrigation, livestock, and steam-electric power
- Geographic breakdown of water user group information by county, river basin, and region

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Planning Units & Key Terms

- **Drought of Record (DOR)** = period of time when historical records indicate that natural hydrological conditions would have provided the least amount of water supply
- Data is **decadal** (over 50 year period)
- Water volumes are in **acre-feet**
(1 acre-foot = 325,851 gallons)
- **Water User Group** = "WUG"
- **Wholesale Water Provider** = "WWP"
- **Major Water Provider** = "MWP"

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Key Planning Terminology

Availability* = maximum amount of raw water that could be produced by a source during a repeat of the **DOR**

Existing Supply* = maximum amount of water that is physically and legally accessible for immediate use by a **WUG** under a repeat of **DOR** conditions

*See handout page 1: Section 6.1 from the 2017 State Water Plan

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Key Planning Terminology

Demand = volume of water required to carry out the anticipated domestic, public, and/or economic activities of a **WUG** during drought conditions

Need = a potential water supply shortage, based on the difference between water demands and existing water supplies (can be met by implementing recommended water management strategies)

Unmet Need = the portion of an identified water need that is not met by recommended water management strategies

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Key Planning Terminology

Water Management Strategy (WMS) = a plan to meet a need for additional water by a discrete **WUG**, through increasing total water supplies or maximizing existing supplies, including through reducing demands

Water Management Strategy Project (WMSP) = a water project that has a capital cost and when implemented, would develop, deliver, or treat additional water supplies or conserve water for **WUGs** or **WWPs**

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WUGs in the 2016 Regional Water Plans

Demand Category	Number of WUGs
Municipal WUGs	
Cities & Utilities	1,364
County-Other	254
Non-municipal WUGs	
Manufacturing	183
Mining	228
Steam-Electric Power	85
Irrigation	241
Livestock	254
Total number of WUGs	2,609

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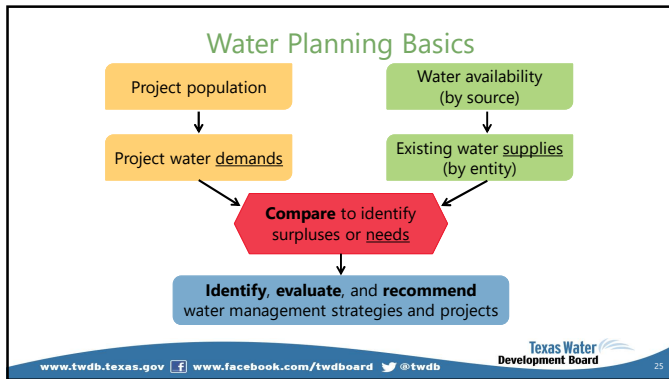
23

Municipal Water User Group Categories

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- ### Path to Recommending Strategies and Associated Projects
- **identify** "potentially feasible" strategies and projects
 - **evaluate** potentially feasible strategies and projects
 - **compare** evaluated strategies and projects
 - **recommend** strategies and projects that are "cost-effective and environmentally sensitive" 31 TAC 357.35(b)
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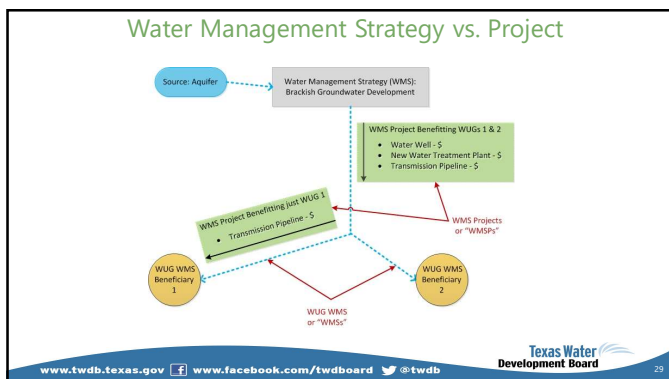
26

- ### Potentially Feasible Water Management Strategies*
- WMS's that must be considered:
 - Expanded use of existing supplies
 - New supply development
 - Conservation and drought management measures
 - Reuse of wastewater
 - Interbasin transfers of surface water
 - Emergency transfers of surface water
 - Water conservation and drought management measures must be considered for every water user group with an identified water need
- *See handout page 2: List of potentially feasible WMSs required to be considered
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- ### Evaluation of Strategies and Associated Projects
- Evaluations are based on:
 - water quantity and reliability
 - financial costs
 - impacts to environment and agriculture
 - impacts to water quality
 - other factors such as regulatory requirements, time required to implement, etc.
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- ### Regional Planning Deliverables
- Standard contract tasks associated with 11 Chapters
 - Populate Online State Water Plan database (DB22)
 - Report documents: Technical Memorandum, Initially Prepared Plan, and Final Plan
 - ~~List of prioritized projects~~
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Standard RWP Chapters*

1. Planning area description
2. Population and water demand projections
3. Water supply analysis
4. Identification of water needs
5. Water management strategies and projects
6. Impacts of plan and consistency with protection of the State's water, agricultural, and natural resources

*See handout page 3: General Document Cross-Reference Table

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Standard RWP Chapters (cont.)

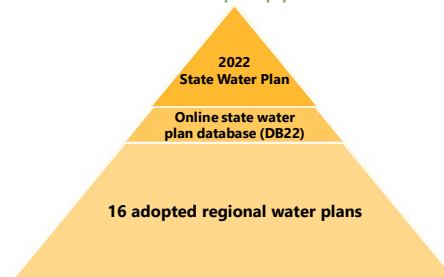
7. Drought response information, activities, and recommendations
8. Unique stream segments, unique reservoir sites, and policy recommendations
9. Infrastructure financing analysis
10. Adoption of plan
11. Implementation and comparison to previous regional water plan

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Foundation of the State Water Plan

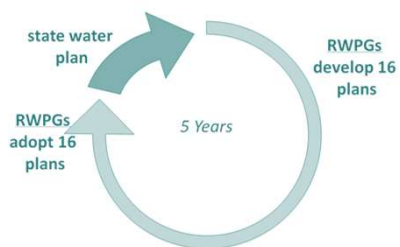
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Bottom Up Approach



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Regional & State Planning Cycles



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Audience

- The State Water Plan is delivered to the Governor, the Legislature, and the public
- Key aspects for their consideration:
 - Long-term projections of water supplies, demands, and needs
 - Project costs and funding needs
 - Policy recommendations



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The State Water Plan is Online and Interactive

<http://texasstatewaterplan.org>

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Agenda Item 9b Progress to date & Schedule

https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/projectdocs/Working_Schedule_2026RWPs.pdf

REGION K

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Sixth Cycle of Regional Water Planning (2026 Regional Water Plans) Working Schedule (as of October 2021)

REGION K

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Agenda Item 9b-i Draft Livestock, Manufacturing, and Steam Electric Demand Projections

- TWDB released draft data Jan 2022
- Requests for Revisions due July 2023
- Today: Initial review of methodology and Region K data

REGION K

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Non-Municipal Water Demand Projections & Methodologies

- Source: 2026 Regional Water Plan Projections Methodology Overview Presentation
 - by Katie Dahlberg of TWDB at January 26th Chairs Conference Call
 - <https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/chairs/oncalls.asp>
- Dates
 - Historical: 2015 – 2019
 - Projections: 2030 – 2080

https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/chairs/oncalls/20220126/2026RWP_Projections_Overview_ChairsCall.pdf

REGION K

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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

https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/chairs/oncalls/20220126/2026RWP_Projections_Overview_ChairsCall.pdf

REGION K

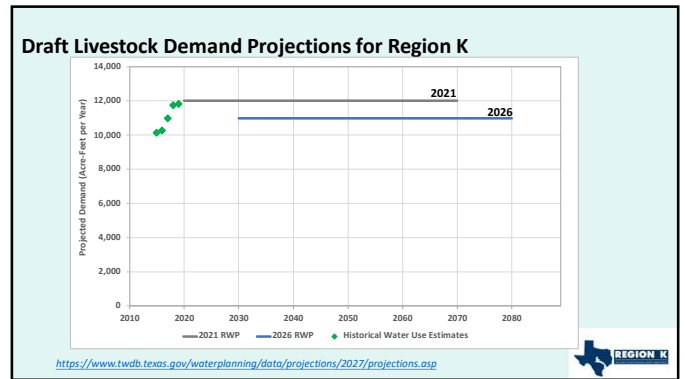
42

Livestock Water Use Coefficients

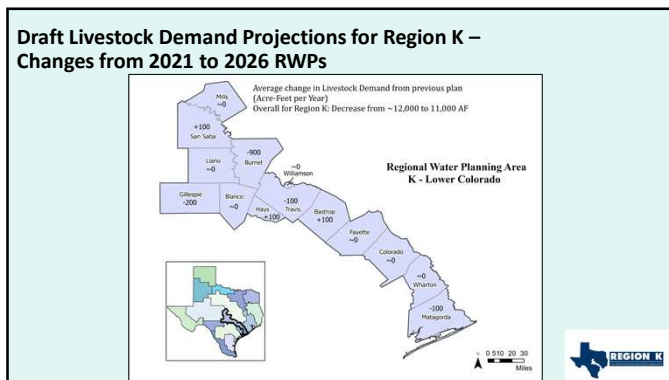
TWDB Category	USDA Data Type	2026 RWP Water Use (gallons/head/day)	2021 RWP Water Use (gallons/head/day)
Cattle	Milk	55	75
	Feed & Other Cattle	15	15
Layers	Pullets, Replacement	0.09	0.086
	Roosters		
	Broilers	0.09	0.077
Equine	Horses & Ponies	12	12
	Mules, Burros, & Donkeys		
Hogs	Hog	5	11
Sheep	Sheep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

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REGION K

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Draft Livestock Demand Projections for Region K

Region	County	Historical Water Use Estimates				2021 Regional Water Plan Projections					2026 DRAFT Regional Water Plan Projections						
		2011	2015	2017	2018	2021	2030	2040	2050	2060	2070	2080	2011	2015	2017	2018	
K	BANDERA	1,092	1,074	1,346	1,390	1,135	1,135	1,135	1,135	1,135	1,135	1,135	1,250	1,250	1,250	1,250	1,250
K	BLANCO	308	311	376	388	306	331	331	331	331	331	331	355	355	355	355	355
K	BURNET	634	576	831	1,046	1,324	1,491	1,491	1,491	1,491	1,491	1,491	795	795	795	795	795
K	COLORADO	1,187	1,218	1,298	1,344	1,343	1,276	1,276	1,276	1,276	1,276	1,276	1,279	1,279	1,279	1,279	1,279
K	FAYETTE	1,649	1,695	1,673	1,723	1,723	1,726	1,726	1,726	1,726	1,726	1,726	1,693	1,693	1,693	1,693	1,693
K	GILLESPIE	834	858	1,088	1,114	1,114	1,112	1,112	1,112	1,112	1,112	1,112	1,002	1,002	1,002	1,002	1,002
K	HAYS	124	124	107	112	112	17	17	17	17	17	17	116	116	116	116	116
K	LLANO	610	615	626	644	644	580	580	580	580	580	580	628	628	628	628	628
K	MATAGORDA	971	982	921	958	958	1,075	1,075	1,075	1,075	1,075	1,075	959	959	959	959	959
K	MILLS	792	802	824	845	850	868	868	868	868	868	868	822	822	822	822	822
K	SAN SABA	751	764	927	992	992	779	779	779	779	779	779	893	893	893	893	893
K	TRAVIS	414	417	380	395	395	527	527	527	527	527	527	400	400	400	400	400
K	WILLAMSON	799	811	749	770	770	792	792	792	792	792	792	790	790	790	790	790
K	WILLIAMSON	16	16	16	17	17	0	0	0	0	0	0	16	16	16	16	16
Region Total		10,134	10,283	10,985	11,741	11,812	12,004	12,004	12,004	12,004	12,004	12,004	10,988	10,988	10,988	10,988	10,988

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REGION K

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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

Texas Water Development Board
REGION K

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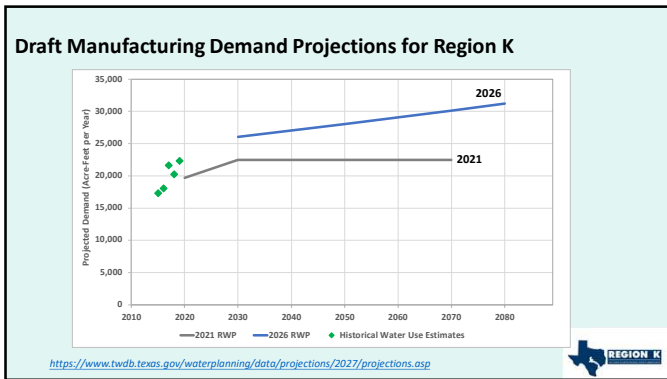
Manufacturing

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

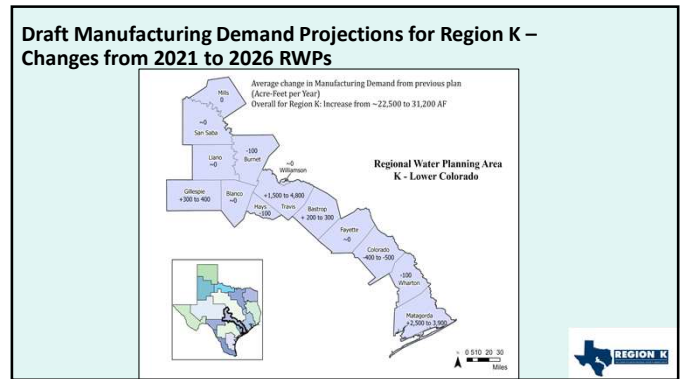
CBP 2010-2019 historical number of establishments rate of change used to project each decade 2040-2080

Texas Water Development Board
REGION K

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Draft Manufacturing Demand Projections for Region K

Region	County	Historical Water Use Estimates				2021 Regional Water Plan Projections					2026 (DRAFT) Regional Water Plan Projections								
		2015	2016	2017	2019	2020	2030	2040	2050	2060	2070	2080	2020	2030	2040	2050	2060	2070	2080
H	BASTROP	96	71	147	205	396	186	215	215	215	215	215	414	420	420	420	420	420	420
H	BLANCO	0	0	0	0	0	0	0	0	0	0	0	16	17	18	19	20	21	
H	BURNET	137	101	105	71	92	251	299	299	299	299	299	156	162	168	174	180	187	
H	COCHOS	530	539	500	533	509	660	1,132	1,132	1,132	1,132	1,132	593	625	638	662	686	711	
H	FAYETTE	363	318	277	259	311	396	442	442	442	442	442	399	414	429	445	461	478	
H	GILLESPIE	19	25	321	314	314	77	93	93	93	93	93	388	402	417	432	448	465	
H	MASS	124	206	119	119	131	237	324	324	324	324	324	281	288	295	302	309	317	
H	LLANO	3	1	2	2	2	3	4	4	4	4	4	3	3	3	3	3	3	
H	MATAGORDA	3,954	4,392	5,484	4,740	6,683	4,199	4,916	4,916	4,916	4,916	4,916	7,376	7,651	7,934	8,228	8,532	8,848	
H	MUSG	2	4	0	0	0	2	2	2	2	2	2	0	0	0	0	0	0	
H	SAN SABA	9	6	6	4	17	10	12	12	12	12	12	19	20	21	22	23	24	
H	TRAVIS	12,022	12,424	14,576	13,918	13,816	13,164	14,853	14,853	14,853	14,853	14,853	16,401	17,008	17,637	18,290	18,967	19,669	
H	WHARTON	49	51	57	60	59	136	171	171	171	171	171	79	83	85	88	91	94	
H	WILLAMSON	100	120	133	133	141	130	160	160	160	160	160	140	150	156	163	171	178	
	Region Total	17,309	18,046	21,607	20,259	22,298	19,708	22,493	22,493	22,493	22,493	22,493	26,043	27,008	28,008	29,043	30,118	31,214	

<https://www.twdb.texas.gov/waterplanning/data/projections/2022/projections.asp>

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Steam-Electric Power

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

- 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 2026 draft projections

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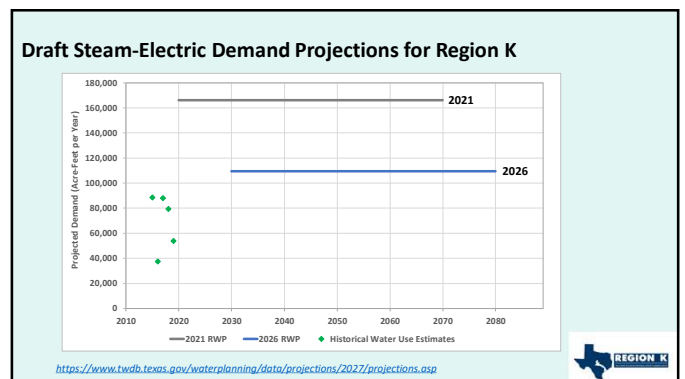
Steam-Electric Power

- Water sources: fresh and brackish groundwater, fresh surface water, reuse
- Consumptive use
- 2030 – 2080 held constant
- Same methodology as the 2021 RWP
- Draft projections released in January 2022

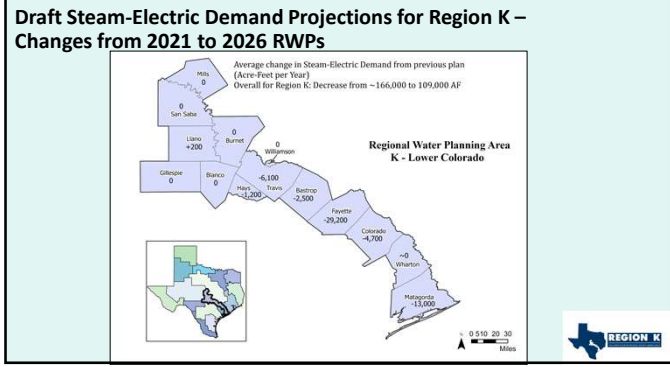
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Draft Steam-Electric Demand Projections for Region K

Region	County	Historical Water Use Estimates					2021 Regional Water Plan Projections					2026 (2021) Regional Water Plan Projections				
		2015	2016	2017	2018	2019	2020	2025	2046	2066	2086	2010	2030	2050	2070	2090
K	BASTROP	7,764	8,644	6,905	7,118	7,519	10,286	10,286	10,286	10,286	10,286	7,764	7,764	7,764	7,764	7,764
K	BLANCO	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	BURNET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	COLORADO	0	0	0	0	0	4,971	4,971	4,971	4,971	4,971	226	226	226	226	226
K	FALETTE	9,338	8,494	18,579	20,052	14,021	49,211	49,211	49,211	49,211	49,211	20,052	20,052	20,052	20,052	20,052
K	GILLESPIE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	LLANO	0	0	0	0	0	1,587	1,587	1,587	1,587	1,587	0	0	0	0	0
K	MASON	0	0	0	0	0	1,587	1,587	1,587	1,587	1,587	0	0	0	0	0
K	LLANO	1,735	1,927	1,762	1,446	1,054	1,748	1,748	1,748	1,748	1,748	1,927	1,927	1,927	1,927	1,927
K	MATAGORDA	87,453	16,719	97,068	46,278	25,134	80,536	80,536	80,536	80,536	80,536	87,453	87,453	87,453	87,453	87,453
K	MUSKOGEE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	SAN SABA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	TRAVIS	2,321	2,208	2,103	2,680	4,118	10,253	10,253	10,253	10,253	10,253	4,118	4,118	4,118	4,118	4,118
K	WILKINSON	3	2,448	1,687	3,095	3,213	7,901	7,901	7,901	7,901	7,901	7,901	7,901	7,901	7,901	7,901
K	WILLIAMSON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Region Total		88,612	37,837	88,100	79,270	53,863	166,095	166,095	166,095	166,095	166,095	109,451	109,451	109,451	109,451	109,451

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

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- ### Agenda Item 9b-ii Draft Municipal WUG list, GPCD, historical population, and water use
- TWDB released draft data Mar 2022
 - Requests for Revisions due July 29, 2022
 - WUG list and historical data
 - Additional opportunity for changes to GPCD in 2023
 - Today we will review:
 - Definitions
 - Changes to draft WUG list from 2021 RWP
-

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Water User Groups (WUGs)

- Municipal WUGs: Utility water use of more than 100 acre-feet
 - 31 TAC § 357.10(43)
- WUGs with active public water systems (PWS) in the 2021 RWPs will be carried over
- New utilities evaluated based on 2015-2019 water use

What is a Municipal WUG?

Automatic	<ul style="list-style-type: none"> • Retail public utility providing over 100 ac-ft/yr • Owned by political subdivision
Private, State, or Federal	<ul style="list-style-type: none"> • Provides over 100 ac-ft/yr • Requested by the RWPG or the entity
Collective Reporting Unit	<ul style="list-style-type: none"> • Aggregations of related systems like Regional Water Authorities • Requested by the RWPG or the entity
County-Other	<ul style="list-style-type: none"> • Everyone else

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- ### Region K WUG List
- Past Cycle**
- RWP 2021: 115 WUGs (including 13 County-Other)
- Changes**
- Removed: 18
 - New: 11
- Current Cycle**
- RWP 2026: 108 WUGs (including 13 County-Other)
- Data available online at
<https://www.twdb.texas.gov/waterplanning/data/projections/2027/municipal.asp>
-

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- ### Agenda Item 9b-iii Schedule Population Demand Projection Committee meeting
- Current tasks
- Review non-municipal demand data by July 2023
 - Review WUG list & historical data by **July 29, 2022**
 - Consider requests for revisions
 - Make recommendations to RWPG
-

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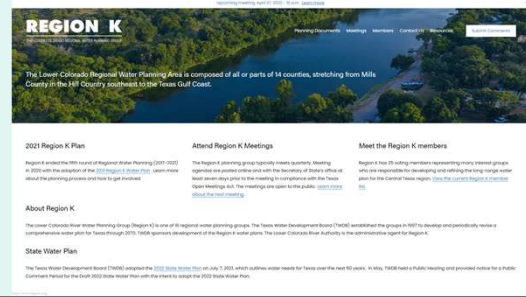
Responsibilities of RWPG

- Review and submit requests for revisions via the region’s consultant
- Criteria for adjustment available in:
 General Guidelines for Development of the 2026 Regional Plans
https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/projectdocs/2026RWP_Exc_Initialtasks.pdf?d=44646.90000000596



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Agenda Item 9b-iv Website Updates



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Agenda Item 9c Upcoming Efforts

- Consider requests for revision of WUGs, GPCD, historical population and water use
- Continue review of non-municipal demands
- Update WUG contact lists and begin outreach
- Next data release:
 - Aug 2022: BEG Mining study complete
 - Sept 2022: Mining and Irrigation demand projections
 - Feb 2023: Population and Municipal demand projections



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Agenda Item 9 Consultant Report

Thank you!
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