AGENDA

Lower Colorado Regional Water Planning Group Meeting

LCRA Eastern Maintenance Facility

104 State Hwy 71, La Grange, TX

February 13, 2024, 10:00 a.m.

Regular Meeting:

1. Call to Order –Chair David Van Dresar

2. Welcome and Introductions – Chair Van Dresar

3. Receive public comments on specific issues related to agenda items 4 through 19. Public comments limited to 3 minutes per speaker. **Per the Chair, public comment on posted agenda items may be made during the public comment item or when the posted agenda item is considered.**

4. Report on Nominating Committee Recommendations – Ann McElroy, Committee Chair
   a. Discuss and take action on election of Executive Committee and Officers for 2024

5. Consider and take action on electing Robert Nies, Electric Generation Utilities alternate, to replace Jason Ludwig as Electric Generation Utilities voting member representative, Matagorda County – Chair Van Dresar

6. Discuss term expiration for several member representatives and take action as needed – Chair Van Dresar

7. Planning Group Membership – Secretary Teresa Lutes
   a. Attendance Report

8. Consider approval of December 1, 2023 Lower Colorado Regional Water Planning Group (LCRWPG) regular meeting minutes – Chair Van Dresar

9. Committee Reports
   a. Water Modeling Committee – Teresa Lutes, Committee Chair
   b. Other

10. Presentation of Task 4C: Draft Technical Memorandum – Consulting Team

11. Discuss and take action on approval of Task 4C: Technical Memorandum for submittal to the Texas Water Development Board prior to the March 4, 2024, deadline, including minor modifications to data appendices, if necessary, recognizing that the information in the memorandum is preliminary – Chair Van Dresar

12. Presentation of region-specific Task 5B: Water Management Strategies Task, Scope of Work – Consulting Team

13. Discuss and take action as needed on region-specific Task 5B, Water Management Strategies Task including the following:
    a. Approval of region-specific Task 5B Scope of Work
    b. Authorize consultant to work with Texas Water Development Board (TBWD) on minor clarifications
    c. Authorize Lower Colorado River Authority, as Region K administrative agent, to execute subsequent contract amendment

14. Consultant Report
    a. Progress to date – Neil Deeds, INTERA
    b. Upcoming efforts and key dates – Neil Deeds, INTERA

15. Texas Water Development Board (TWDB) Report – Lann Bookout, TWDB
    a. Update on regional water planning activities and schedules

16. Interregional Coordination Activities – Chair Van Dresar
    a. Liaison reports

17. Financial Report – Chair Van Dresar

18. Upcoming meetings, consider and take action as needed – Chair Van Dresar
    a. Location and date of next LCRWPG meeting
    b. Other committee meetings
        i. Water Modeling Committee
        ii. Water Management Strategies Committee
        iii. Other Committees

19. Future Agenda Items

20. Public Comments – limit 3 minutes per person

21. Adjourn

Item 4. Report on Nominating Committee Recommendations – Ann McElroy, Committee Chair

a. Discuss and take action on election of Executive Committee and Officers for 2024

Agenda Item #4

February 13, 2024

Lower Colorado Regional Water Planning Group Meeting

From the Nominating Committee:

Proposed Slate of nominations for the Executive Committee positions for 2024:

a. Chair: David Van Dresar, Groundwater Districts, Fayette County
b. Vice-Chair: Monica Masters, River Authority, Travis County
c. Secretary: Teresa Lutes, Municipalities, City of Austin, Travis County
d. Members at-large:
    i. Daniel Berglund, Small Business, Wharton County
    ii. Carol Olewin, Public Interest, Travis County
    iii. Jim Luther, Counties, Burnet County

Item 5. Consider and take action on electing Robert Nies, Electric Generation Utilities alternate, to replace Jason Ludwig as Electric Generation Utilities voting member representative,
Matagorda County – Chair Van Dresar

Item 6. Discuss term expiration for several member representatives and take action as needed –
Chair Van Dresar

Item 7. Planning Group Membership – Secretary Teresa Lutes

a. Attendance Report

Lower Colorado Regional Water Planning Group Meeting Voting Member Attendance Record
for Secretary's LCRWPG Voting Member Attendance Report on 2/13/2024

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

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

Item 8. Consider approval of December 1, 2023 Lower Colorado Regional Water Planning Group
(LCRWPG) regular meeting minutes – Chair Van Dresar

DRAFT MEETING MINUTES

Lower Colorado Regional Water Planning Group Meeting

December 1, 2023, 10:00 a.m.

LCRA Dalchau Service Center

3505 Montopolis Drive Austin, TX

Meeting materials and an audio recording of the full meeting proceedings are available at regionk.org/all-meetings

Voting Members Signed in:

Daniel Berglund, Small Business	Emil Uecker, Counties
Jim Brasher, GMA 15	Monica Masters, River Authorities
Christianne Castleberry, Water Utilities	Paul Tybor, Industries
Jennifer Walker, Environmental	Carol Olewin, Public Interest
Lauri Gillam, Municipalities	Mike Reagor, Municipalities
David Lindsay, Recreation	Robert Ruggiero, Small Business
Barbara Johnson, Industries	David Van Dresar, Water Districts
Jim Luther, Agriculture	Mitchell Sodek, GMA 8
Teresa Lutes, Municipalites	Jim Totten, GMA 12
Paul Babb, GMA 9	Paul Silva, Agriculture

Voting Members Absent:

Jody Fauley, Counties	Charles Olfers, Agriculture
Ann McElroy, Environmental	Tim Loftus, GMA 10
Jason Homan, Counties (Alternate)	Robert Ruggiero, Small Business
Jason Ludwig, Electric Gen. Utilities	

Support/Consultants/Visitors:

Adam Conner, FNI	Helen Gerlach, Austin Water
Earl L. Foster, Alternate	Emily Rafferty, Austin Water
Lawrence Brown, TSSWCB	Sue Thornton, Alternate

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Annette Keaveny, LCRA	Marisa Flores-Gonzales, Austin Water
Lann Bookout, TWDB	Robert Adams, Plummer
Leonard Oliver, LCRA	Earl Wood, Water Utilities
Mike Thuss, LCRA	John Maurer
Holly Fair, Aqua WSC	Jordan Furnans, LRE Water
Cindy Smiley, Smiley Law Firm	Dacy Cameron, Aqua WSC
Alan Moon, Quiddity	Leslie Soto Sanchez, LCRA
Tom Entsminger, STV	Neil Deeds, INTERA
Tom Hegemier, LCRA	Robert Nies, South Texas Project (STP)

Quorum

Quorum: Yes

Number of voting members or alternates representing voting members present: 20

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. The minutes from the October 4th, 2023, planning group meeting were approved with minor corrections.
2. A motion to approve the process for identifying potentially feasible water management strategies for the 2026 Region K plan was approved.
3. A motion to appoint Tom Hegemier to fill the Region L liaison role was approved.

Regular Meeting: (Time stamps match the audio recording that is available online)

1. Call to Order –Chair David Van Dresar called the meeting to order at 10am.

2. Chair Van Dresar welcomed all to the meeting and asked that members introduce themselves. (0:25 – 2:34)

3. Chair Van Dresar opened the floor to public comments and there were none. (2:40 – 3:11)

4. Planning Group Membership – Secretary Teresa Lutes (3:12—6:15)

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a. Secretary Teresa Lutes asked the group to review the attendance information provided in the packet. Secretary Lutes noted that there are terms set to expire and these members need to let the Secretary know if they want to continue their membership so action can be taken to extend terms at the January meeting.

5. Chair David Van Dresar asked the planning group to review the October 4th, 2023 LCRWPG regular meeting draft minutes. Daniel Berglund made a motion to approve the minutes with minor corrections to the attendance of the October 4th, 2023, LCRWPG regular meeting minutes. Laurie Gillam seconded the motion. The motion was approved with none opposed. (6:20 – 7:55)

6. Committee Reports (8:00 – 9:43)

   a. Water Modeling Committee – Teresa Lutes, Committee Chair stated that the Water Modeling Committee will be reviewing preliminary results of a modeling analysis of surface water availability at their next meeting on December 19th, 2023.

   b. Water Management Strategies Committee – Lauri Gillam, Committee Chair informed the planning group that the Water Management Strategies committee has met twice since the last LCRWPG regular meeting and that the next agenda items pertain to the work their committee had been involved in.

7. Neil Deeds, INTERA, presented the results of analysis of potentially infeasible water management strategies and water management strategy projects in the 2021 Region K Water Plan. (9:45 – 20:10)

8. Identify potentially feasible water management strategies process for the 2026 Region K Plan (20:10 – 38:35)

   a. Neil Deeds, INTERA, presented on the Region K process for identifying potentially feasible water management strategies. Chair David Van Dresar asked the planning group for comments. Planning group members discussed the ability for the public to submit their comments online.

   b. Chair David Van Dresar opened the floor to take public comments on the Region K process for identifying potentially feasible water management strategies. There were no public comments.

   c. Secretary Teresa Lutes made a motion to approve the process for identifying potentially feasible water management strategies for the 2026 Region K plan as presented. Daniel Berglund seconded the motion. The motion was passed with none opposed.

9. Consultant Report (38:40 – 56:45)

   a. Adam Conner, FNI, gave an update on the supply survey that was sent out to Water User Groups (WUG). There was discussion amongst the planning group members regarding how long surveys are being accepted, if there are any important areas missing from the survey

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results, and what happens if there is no response from a WUG. Mitchell Sodek asked if there is a plan to reach out to County Other and Paul Babb commented on the importance of accurately identifying the water supply for County Other.

b. Neil Deeds, INTERA, provided a summary of the consultant's progress to date.

c. Neil Deeds, INTERA, provided a summary of upcoming efforts and key dates.

10. Texas Water Development Board (TWDB) Report – Lann Bookout, TWDB (56:45 – 1:02:25)

    a. Lann Bookout, TWDB provided an update on regional water planning activities and schedules. The group discussed proposition 6, Creation of the Water Fund Amendment (2023), which was approved by voters.

11. Interregional Coordination Activities – Chair Van Dresar (1:02:25 – 1:05:04)

    a. Liaison reports

        i. Monica Masters made a motion to appoint Tom Hegemier to fill the Region L liaison role to replace Ron Fieseler. Paul Babb seconded the motion. The motion passed with none opposed.

12. Chair David Van Dresar reviewed the financial report with the planning group and noted that the group is withing the budget. (1:05:05)

13. Upcoming meetings, consider and take action as needed – Chair Van Dresar (1:05:40 – 1:08:58)

    a. The location and date of next RWPG meeting will be on Wednesday, January 10, 2023, at the LCRA Eastern Maintenance Facility, La Grange, Texas.

    b. Other committee meetings

        i. The Water Modeling Committee meeting will be held on December 19, 2023, at Freese and Nichols offices in Austin, Texas.

        ii. There was no Water Management Strategies Committee meeting scheduled at this time.

        iii. Chair David Van Dresar made a note that the Nominating Committee will need to meet prior to the January 2024 meeting to develop a slate of nominees for the Executive Committee.

14. Future Agenda Items (1:09:14)

    a. A technical memo to review and vote on will be included in the January agenda.

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b. Discussion of Task 5, Water Management Strategies scope and fee will be included in the January agenda.
c. An update on the Water Modeling Committee Water Availability Model will be included in the January agenda.
d. Membership items to approve new executive positions will be included in the January agenda.

15. Public Comments (1:10:35)

    a. Jordan Fernans, LRE Water stated that he wanted the planning group to know he was trying to see what it would look like to incorporate results of a Water Availability Model uncertainty analysis into the next planning cycle.

Monica Masters noted the passing of previous Region K Chair from 1998—2021, John Burke. The planning group decided to use $100 from the membership fund to send to his family to express Region K's condolences.

16. Adjourn 11:14am. (1:14:10)

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Item 9. Committee Reports
a. Water Modeling Committee – Teresa Lutes, Committee Chair
b. Other

Item 10. Presentation of Task 4C: Draft Technical Memorandum – Consulting Team

9600 Great Hills Trail, Suite 300W
Austin, Texas 78759 USA
512 425 2000
INTERA.COM

DRAFT TECHNICAL MEMORANDUM

TO: Texas Water Development Board

FROM: Neil Deeds, PhD, PE, PG., INTERA
Adam Conner, PMP, CFM, Freese and Nichols
Robert Adams, DE, PE, Plummer

CC: Lower Colorado Regional Water Planning Group

DATE: March 1, 2024

RE: Task 4C – Technical Memorandum

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1 Introduction

The Lower Colorado Regional Water Planning Area (LCRWPA) is composed of all or parts of 14 counties, stretching from Mills County in the Hill Country southeast to the Texas Gulf Coast. This Technical Memorandum is a description of the work performed to date as part of the regional water planning process to develop the 2026 Region K Water Plan for the LCRWPA. It has been prepared for the Texas Water Development Board (TWDB) as a deliverable associated with Task 4C.

The TWDB provides requirements for the Task 4C Technical Memorandum that must be met to make the deliverable administratively complete. The table below provides a cross-reference for each of the items to where they can be found in this memorandum. Some of the requirements have been summarized to fit more easily in the table.

Requirement	Memo Section
1. Two electronic copies of the Technical Memorandum, one (1) in searchable PDF and one (1) in Microsoft Word format	Electronic Deliverable: \Memo
2. Electronic copies (in PDF format) of SARA 2026 RWP27 Data Reports 1-5 and 7-8	Electronic Deliverable: \Data_Reports Appendix A: RWP27 Data Reports
3. The documented process used by the RWPG to identify potentially feasible Water Management Strategies (WMS)s	Section 6.1 Documented Process for Identifying Potentially Feasible WMSs
4. A list of all potentially feasible WMSs identified by the RWPG to date	Section 6.2 List of Feasible WMSs Identified to Date

Requirement	Memo Section
5. A copy of any hydrologic variance requests submitted by the region to the TWDB and a copy of the TWDB's approval of any hydrologic variances to date. For approved TCEQ WAM modifications or alternative surface water models, a table must be included showing the original unmodified firm yield along with the alternative availability utilized as the basis for planning.	Section 3.1.1 Hydrologic Variance Request Appendix B: Hydrologic Variance Request
6. Documentation of the methodology utilized for calculating the anticipated sedimentation rate and revising the area-capacity rating curve.	Section 3.1.2 Methodology for Calculating Sedimentation Rate
7. A table providing the details of any hydrologic models used, including the model name, version date, model input/output files used, date model used, and any relevant comments.	Section 3.1.3 Hydrologic Modeling
8. Documentation of methodologies utilized for RWPG-estimated groundwater availabilities to date, including at minimum, a table providing the aquifer, county, and methodology description	Section 3.2 Groundwater Availability
9. A summary of the region's interregional coordination efforts to date	Section 7 Summary of Interregional Coordination Efforts To Date
10. A list of infeasible WMSs and WMSPs from the region's 2021 Regional Water Plan, identified in accordance with Texas Water Code §16.053(h)(10) or a statement that no infeasible WMS or WMSPs were identified.	Section 6.3 List of infeasible Water Management Strategies and Water Management Strategy Projects from the 2021 Region K Plan
11. All electronic model input/output or other model files used to date in determining water availability.	Electronic Deliverable: \Model_Files

PDF= portable document format
RWPG = regional water planning group
SARA = Secured Agency Reporting Application
TCEQ = Texas Commission on Environmental Quality
TWDB = Texas Water Development Board
WAM = water availability model
WMS = Water Management Strategies
WMSP = Water Management Strategy Projects

The data provided in this Technical Memorandum is draft, and may be subject to change prior to final approval of the 2026 Region K Water Plan.

In the main part of the memorandum, we present demands, source availability, supplies, needs, and strategies. This is followed by a discussion of interregional coordination and our planned path forward. Note that we use "the region" to refer to the LCRWPA and "the planning group" to refer to the planning group members, their support staff, and the consultant team.

2 Demands

Initial demands by category were provided by the TWDB. The planning group reviewed the demands, and worked to determine whether the demands were consistent with data available from stakeholders, such as water user groups (WUGs), Groundwater Conservation Districts (GCDs), irrigators, etc. For municipal demands, the bulk of this effort was centered around a survey that was sent to all WUGs in the planning region with a majority of their demand found within the region. In addition to the survey responses, the planning group attempted to contact additional key stakeholders and follow up on survey responses that were not initially clear. For non-municipal demands, the underlying strategies and data used by TWDB were compared to previously used approaches. Because of the importance of irrigation in the lower part of the Colorado Basin, the planning group conducted a thorough analysis of the irrigation demand estimates.

The information gained from analysis of municipal and non-municipal demands was summarized and vetted through the Population and Water Demand Committee. The recommendations from the Population and Water Demand Committee were formalized in technical memoranda for the non-municipal and municipal demand categories, and those memoranda were submitted to the TWDB in early 2023. In general, all recommendations from the Population and Water Demand Committee were for higher demand estimates, both for municipal and non-municipal demands, potentially due to undercounting in the most recent census. While the TWDB accepted many of the recommended increases in the demands, some requested increases for municipal demands were reduced.

A summary of the demands by the non-municipal and municipal demand categories for decades 2030 and 2080 is shown in Figure 1. While non-municipal demands decrease slightly (primarily due to irrigation efficiency measures), municipal demands are projected to nearly double in the region. The total demands are 1,138,936 acre-feet per year (AFY) and 1,447,471 AFY for decades 2030 and 2080, respectively.

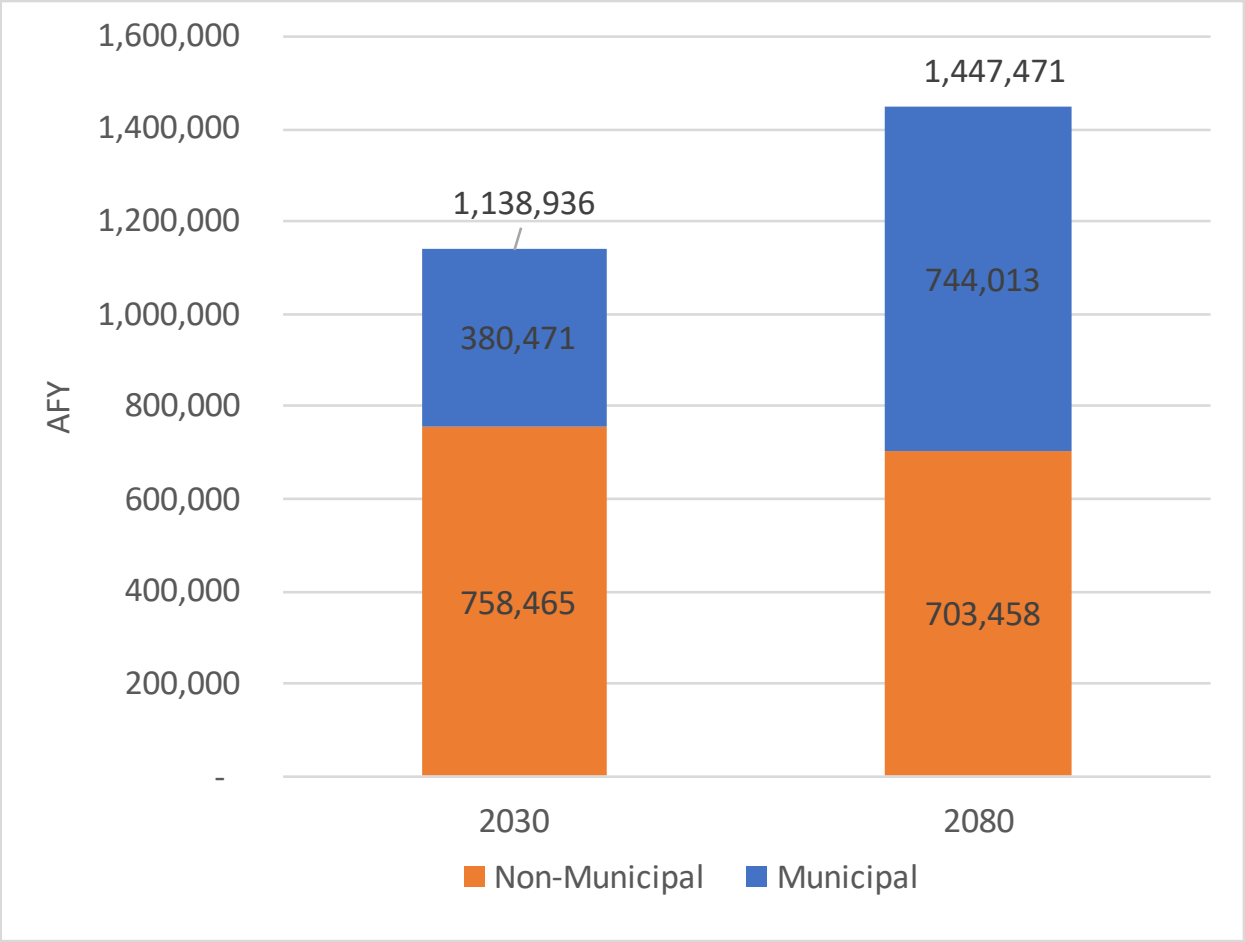

Figure 1: Comparison of municipal and non-municipal demands for the decades of 2030 and 2080.

3 Source Availability

In the TWDB regional water planning process, "source" is considered the raw water availability, whereas "supply" is considered water that a WUG has the legal and physical means of accessing. To have a water supply, you need a source of water. For the purposes of planning, the sources are generally categorized by surface water, groundwater, and reuse. While reuse does not yet comprise a large portion of the overall sources in the region, water suppliers and users are recognizing the value of reuse so it will continue to grow as an important source in future decades, as shown in Section 6 on Water Management Strategies. In the remainder of this section, we discuss how surface water and groundwater source availabilities were estimated for the region.

3.1 Surface Water Availability

While surface water availability in the region is dominated by the Colorado River, and surface water storage in the region is dominated by the Highland Lakes Reservoir System, many other smaller rivers and reservoirs are critical to users in the region. Surface water availability was primarily estimated by modeling, using water availability models (WAMs). State-recognized WAMs are available through the

Texas Commission on Environmental Quality (TCEQ) that are used for water rights evaluations. These models form the basis for our analysis, but some modifications were made to better suit the needs of the region. The TWDB will accept modifications to the TCEQ WAMs only after the region submits a surface water hydrologic variance request (HVR), and that request has been approved by TWDB.

3.1.1 Hydrologic Variance Request

The region's HVR was modeled after previous plans in the region, with a few updates to conform to the Lower Colorado River Authority's (LCRA) updated 2020 Water Management Plan. The HVR was vetted through the Modeling Committee and submitted to TWDB on October 11, 2023 (Appendix B). The HVR was approved by the TWDB on January 10, 2024 (Appendix B). The significant modifications to the TCEQ Colorado WAM Run 3 model that underlie the HVR are summarized below:

1. All water rights at and above Lakes O.H. Ivie and Brownwood are senior to downstream water rights (while maintaining relative date priority in rights upstream). This assumption reflects historical and current water management operational practices between the Upper and Lower Colorado Basin, and allows for increased water availability upstream of Lakes O.H. Ivie and Brownwood in Region F and decreased availability downstream in Region K.
2. The firm yield for the Buchanan-Travis Reservoir System is calculated. These two reservoirs are operated as a system, and their firm yield is determined as such.
3. The firm yield for the South Texas Project Nuclear Operating Company (STPNOC), as well as available run-of-river (ROR) supplies in the Colorado Basin and Brazos-Colorado Basin, are calculated.
4. 33,440 AFY is subtracted from the firm yield of Lake Travis and Buchanan for the LCRA environmental commitment.
5. 2020 LCRA Water Management Plan Interruptible Water is turned off for water supply analysis.
6. ROR supplies in the Brazos, Colorado-Lavaca, Lavaca, and Guadalupe-San Antonio River Basins were evaluated using unmodified versions of Run 3 for each basin. All versions are dated October 1, 2023.

3.1.2 Methodology for Calculating Sedimentation Rate

Part of WAM modeling can include accounting for reservoirs losing capacity through time due to sedimentation. Future elevation/area/capacity relationships for Lakes Buchanan and Travis are from a June 15, 2022 study performed by Anchor QEA for LCRA. This study reported a sedimentation rate of 519 AFY for Lake Travis and 609 AFY for Lake Buchanan. Sedimentation was not considered for other reservoirs in Region K. Future reservoir storage conditions for reservoirs upstream of Lake Buchanan in the Colorado Basin were obtained from Region F; a description of the calculation of sedimentation rates in that region are available in the Region F Technical Memorandum.

There are no major reservoirs in other river basins in Region K.

3.1.3 Hydrologic Modeling

The hydrologic models used up to this point are listed in Table 1, below.

Table 1: Hydrologic models used for surface water availability estimates.

Hydrologic Model	Version Date	Description	Comments
Region K Supply Evaluation WAM	December, 2023	Includes Colorado and Brazos-Colorado Basins See Section 3.1.1 for details of HVR.	2030, 2050 and 2080 firm yields and ROR supplies
Brazos WAM	October 1, 2023	Unmodified Run 3	Used for ROR supplies
Lavaca-Colorado WAM	October 1, 2023	Unmodified Run 3	Used for ROR supplies
Lavaca WAM	October 1, 2023	Unmodified Run 3	Used for ROR supplies
Guadalupe-San Antonio WAM	October 1, 2023	Unmodified Run 3	Used for ROR supplies

The model used to determine surface water availability volumes in the Colorado River Basin and Brazos-Colorado Coastal Basin, including the firm yield of the Highland Lakes reservoir system, is a modified version of the TCEQ Colorado WAM Run 3 model known as the Region K Supply Evaluation WAM. The Region K Supply Evaluation WAM is based on the October 1, 2023 version of TCEQ's Colorado WAM Run 3.

a) The modified model was approved for use in determining current water supply availability and for evaluation of water management strategies in the development of the 2026 Region K Water Plan by the TWDB Executive Administrator on January 10, 2024 (see Section 3.1.1 and Appendix B).

b) Projected sedimentation was incorporated into the model runs for 2030-2080.

c) The most current model runs were performed by Freese and Nichols (FNI), in collaboration with LCRA and Austin Water modelers, in December 2023 and January 2024.

All modeling was done using the January 2021 version of the Water Rights Analysis Package (WRAP).

3.1.4 Results

A summary of the simulated modified firm yields for the reservoirs in the region is shown in Table 2 below.

Table 2: Simulated firm yields (AFY) for reservoirs in the region.

Reservoir	2030	2040	2050	2060	2070	2080
Highland Lakes	374,769	372,977	371,185	369,339	367,493	365,646
Arbuckle Reservoir	*	*	*	*	*	*
Goldthwaite	0	0	0	0	0	0
Llano	*	*	*	*	*	*
Walter E. Long (Decker Lake)	0	0	0	0	0	0
Lake Bastrop	0	0	0	0	0	0
Lake Fayette	0	0	0	0	0	0
Lometa	0	0	0	0	0	0
STPNOC Reservoir***	35,500	35,500	35,500	35,500	35,500	35,500
Total	**410,269**	**408,477**	**406,685**	**404,839**	**402,993**	**401,146**

**Availability for these reservoirs was not determined using a firm yield analysis, although ROR water rights are associated with them. The Arbuckle Reservoir is associated with the Gulf Coast ROR water right. The Llano Reservoir is associated with Llano's ROR water rights.*
***33,440 AFY is subtracted for the LCRA environmental commitment (see Table 3).*
****Stand-alone yield without LCRA contract backup. Yield with contract backup is 66,260 AFY.*

Additional detail for the simulated modified firm yields for the Highland Lakes Reservoir System is shown in Table 3 below.

Table 3: Detail for Highland Lakes reservoir system firm yield. All values in AFY.

Category	2030	2040	2050	2060	2070	2080
Water Available for LCRA Firm Contracts and Env Commitments	281,074	279,393	277,712	275,866	274,020	272,173
LCRA Backup of STPNOC ROR Water Right	24,544	24,544	24,544	24,544	24,544	24,544
LCRA Backup of City of Austin Municipal ROR Water Rights	102,591	102,480	102,369	102,369	102,369	102,369
LCRA Backup of Interruptible ROR Contracts	0	0	0	0	0	0
Total Highland Lakes Firm Yield	**408,209**	**406,417**	**404,625**	**402,779**	**400,933**	**399,086**
Total Highland Lakes Firm Yield Available for Consumptive Use*	374,769	372,977	371,185	369,339	367,493	365,646

**33,440 AFY is subtracted for the LCRA environmental commitment.*

The modeled availability assumes full appropriation of senior rights prior to junior rights, which can have a significant impact on simulated firm yield in smaller reservoirs. This modeled availability may be less than operational availability, which has been demonstrated in some cases during prior drought periods. City of Llano is an example of this mismatch between what is simulated and what has been observed historically, as shown by the simulated firm yield for smaller reservoirs in the region, including City of Llano (Table 4).

Table 4: Simulated firm yield (AFY) for smaller reservoirs in the region.

County	Basin	WUG	Basis	All Decades
Mills	Colorado	Goldthwaite	Min annual	0
San Saba	Colorado	San Saba	Min annual	0
Llano	Colorado	Llano	Yield analysis	120
Blanco	Colorado	Johnson City	Min annual	0
	Guadalupe	Blanco	Yield analysis	400
			Min annual	545
Burnet	Colorado	Meadowlakes	Min annual	152

The simulated yields for major ROR rights in the region are shown in Table 5 below.

Table 5: Simulated availability for major ROR rights in the region.

Water Right Number	Water Right Holder	Maximum Permitted Diversion (AFY)	Priority Date	Basis	All Decades (AFY)
5434	LCRA - Garwood	133,000	11/1/1900	Annual Min	121,611
5475	LCRA-Lakeside#1	52,500	1/4/1901	Annual Min	3,340
5475	LCRA-Lakeside# Jr	78,750	11/1/1987	Annual Min	0
5475	LCRA-Lakeside #2	55,000	9/2/1907	Annual Min	4,748
5476	LCRA-Gulf Coast Sr	228,570	12/1/1900	Annual Min	43,121
5476	LCRA-Gulf Coast Jr	33,930	11/1/1987	Annual Min	0
5477	Pierce Ranch	55,000	9/1/1907	Annual Min	1,149
5471	City of Austin (mun)	250,000	6/1/1913	DOR Avg	174,845
5471	City of Austin (mun)	22,403	6/27/1914	DOR Avg	7,125
5471	City of Austin (SE)	24,000	6/27/1914	Annual Min	0
5489	City of Austin (mun)	20,300	8/20/1945	DOR Avg	5,139
5489	City of Austin (SE)	16,156	8/20/1945	Annual Min	0
5434	City of Corpus Christi	35,000	11/2/1900	Annual Min	27,794
	Total	**1,004,609**			**388,872**

3.2 Groundwater Availability

Groundwater availability in Texas is, with few exceptions, estimated by running state-sponsored Groundwater Availability Models (GAMs). The GAMs are developed and maintained by TWDB, and TWDB staff run the models to determine Modeled Available Groundwater (MAG) estimates based on desired future conditions (DFCs) determined by Groundwater Management Areas (GMAs) across the state.

For the majority of the groundwater source availability volumes in the region, the MAG estimates are used. However, there are several groundwater sources that do not have MAG estimates because the sources were identified by their respective GMAs as non-relevant for joint planning purposes as part of the MAG process. GCDs in a GMA may classify all or portions of a relevant aquifer as non-relevant if the GCDs determine that aquifer characteristics, groundwater demands, and current groundwater uses do not warrant adoption of a DFC.

The methodologies utilized for RWPG-estimated groundwater availabilities to date are shown in Table 6 below.

Table 6: Methodologies used for RWPG-estimated groundwater availability.

Aquifer	County	Basin	Amount (AFY)	Methodology Description
Other	Bastrop	Colorado	5,340	TCEQ DWW database listed total production for City of Bastrop, along with published TWDB historical groundwater pumpage data for Bastrop County WCID 2 and Mining in Bastrop County, Colorado Basin.
Other	Burnet	Brazos	433	Mining groundwater usage listed in the TWDB historical groundwater pumpage data.
Other	Burnet	Colorado	3,672	Discussion with Central Texas Groundwater Conservation District regarding alluvial permits and Granite/Granite Gravel Aquifer permits, as well as published TWDB historical groundwater pumpage data for other/unknown aquifers for exempt use
Other	Fayette	Colorado	834	Discussion with Fayette County Groundwater Conservation District regarding alluvial supplies during the 2016 planning cycle
Other	Llano	Colorado	629	Review of published TWDB historical groundwater pumpage data for County-Other, Kingsland WSC, and Livestock in Llano County
Other	Travis	Colorado	3,770	The availability was determined based on review of published TWDB historical groundwater pumpage data for water uses in Travis County. In addition, the TCEQ DWW database lists the source of the City of Manor's groundwater wells as alluvial.
Other	Travis	Guadalupe	112	Review of published TWDB historical groundwater pumpage data for water uses in Travis County.

3.3 Summary of Source Availability

Figure 2 below shows a summary of availability in the region, broken down by groundwater, reuse, and surface water. Figure 3 shows a summary of availability in the region by aquifer.

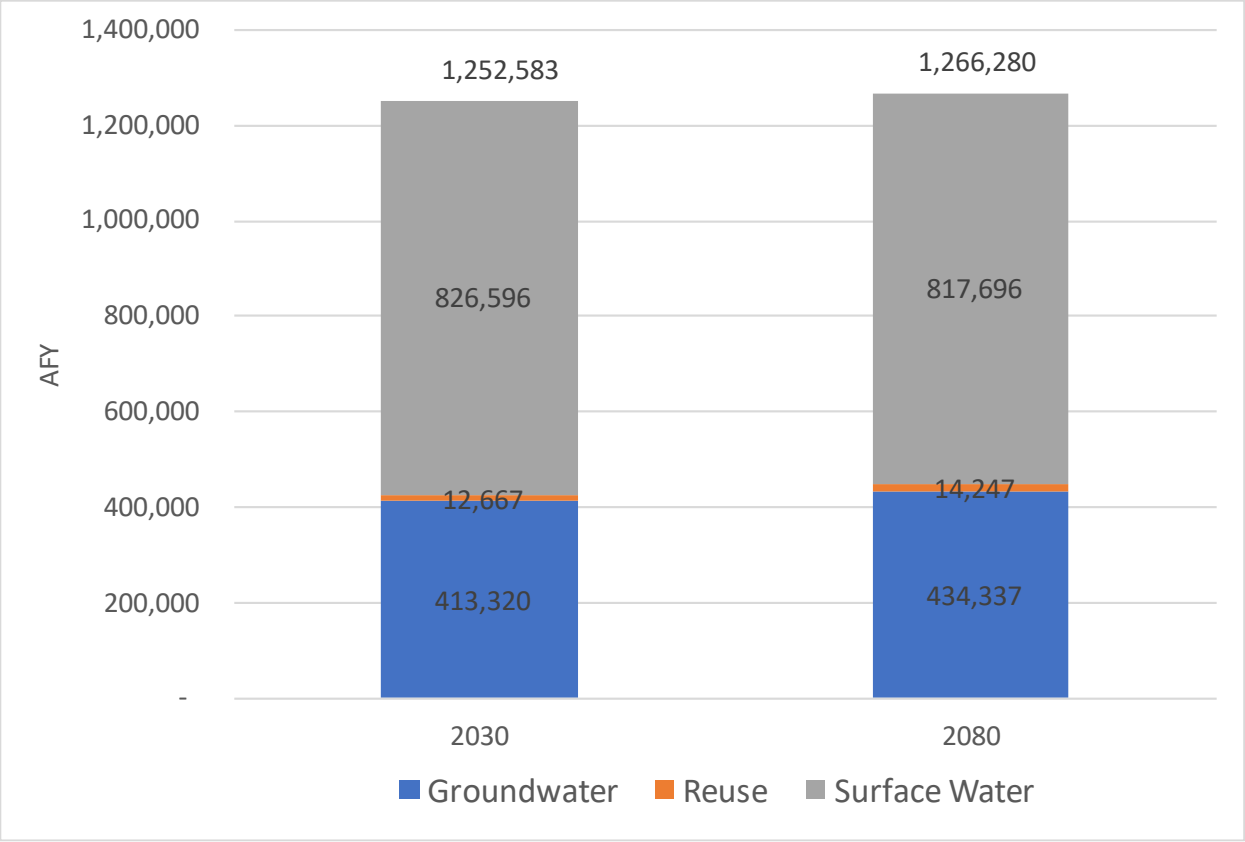

Figure 2: Source Availability from surface water, groundwater, and reuse for the decades of 2030 and 2080.

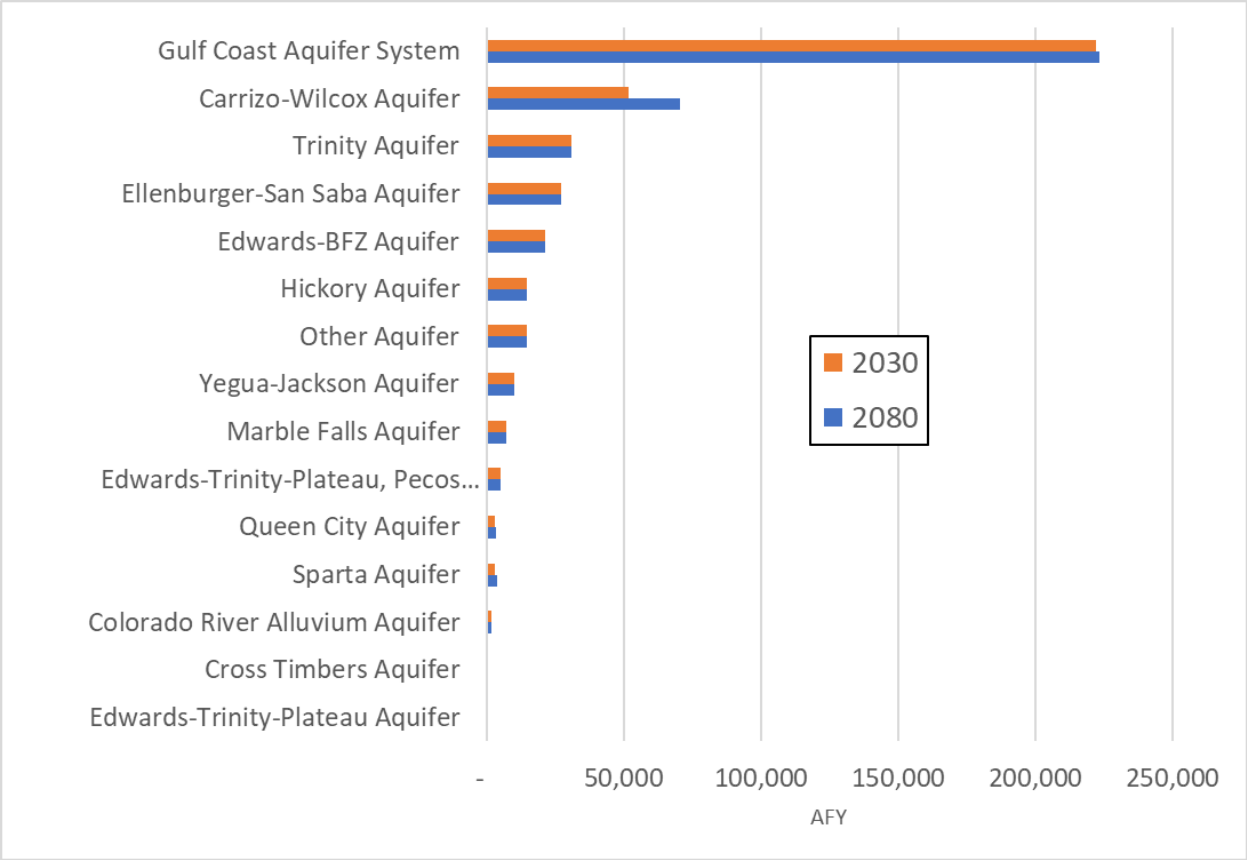

Figure 3: Source Availability by aquifer for the decades of 2030 and 2080.

4 Supplies

A supply consists of the infrastructure and resources required to bring a source of water to users. This could include production using a well or reservoir intake, transmission through pipelines, canals, or other conveyance systems, treatment (if required), and eventual delivery to the point of use.

For municipal supplies, the two main sources of data were a survey sent to all of the WUGs asking about the details of their supplies, and TCEQ's Drinking Water Watch (DWW) database. In many cases, we met directly with water providers to clarify their responses on contract amounts, treatment capacities, and other factors. For large groundwater users, the relevant GCD was another source of information on permitted pumping volumes.

For non-municipal supplies, among some categories (such as steam-electric power), there are known contracted volumes from providers such as LCRA or City of Austin. For other non-municipal supplies that rely on groundwater, we are often relying on other limits like the MAG for the county-basin where the supply is being used. For the purposes of planning, the MAG cannot be exceeded for a given aquifer and county-basin, regardless of how much groundwater has been permitted by the GCD or GCDs that regulate the aquifer. While GCDs are required to consider the MAG (or DFC) in managing the aquifer, the MAG does not constitute a cap on permits, and some GCDs issue permits such that the sum of all permits exceeds the MAG.

A summary of the supplies in the region, categorized by municipal and non-municipal, is shown in Figure 4. A summary of the supplies in the region, categorized by their source type, is shown in Figure 5.

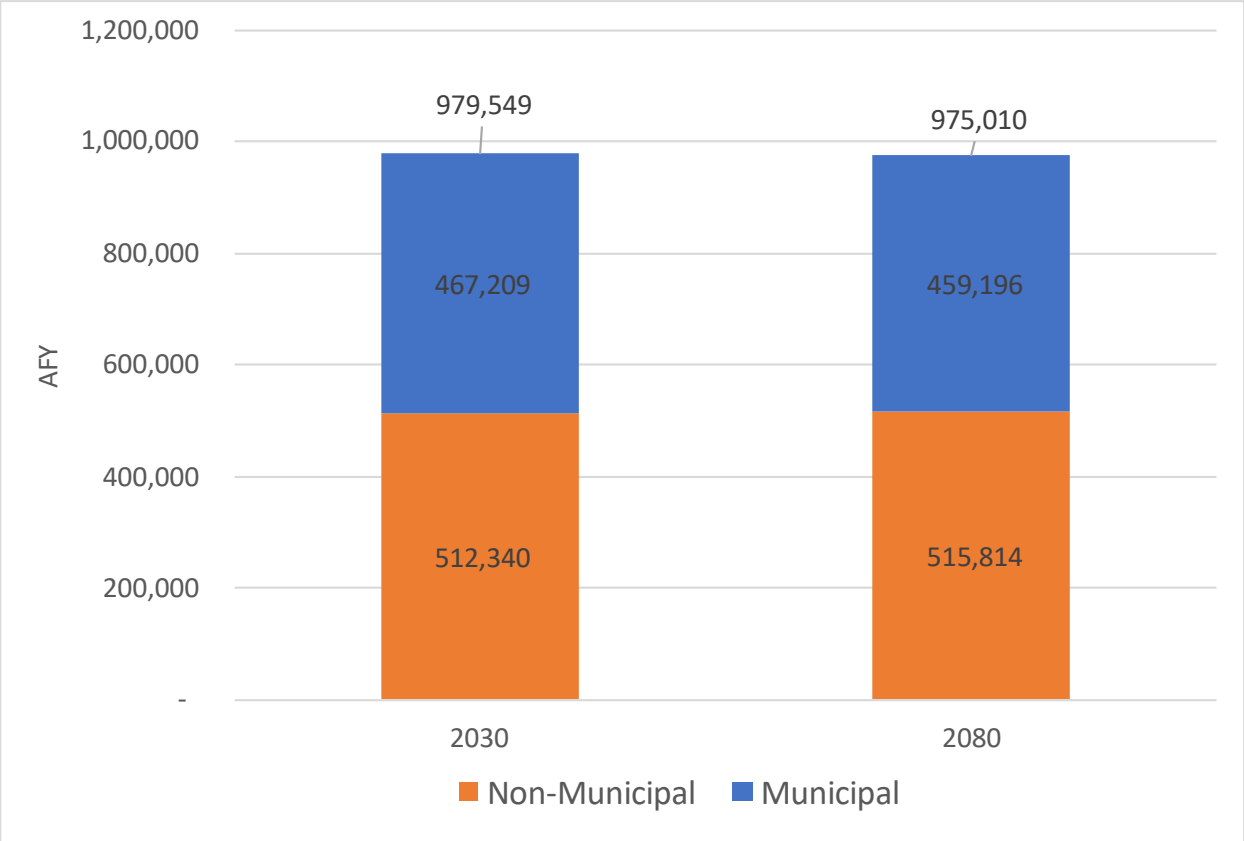

Figure 4: Comparison of municipal and non-municipal supplies for the decades of 2030 and 2080.

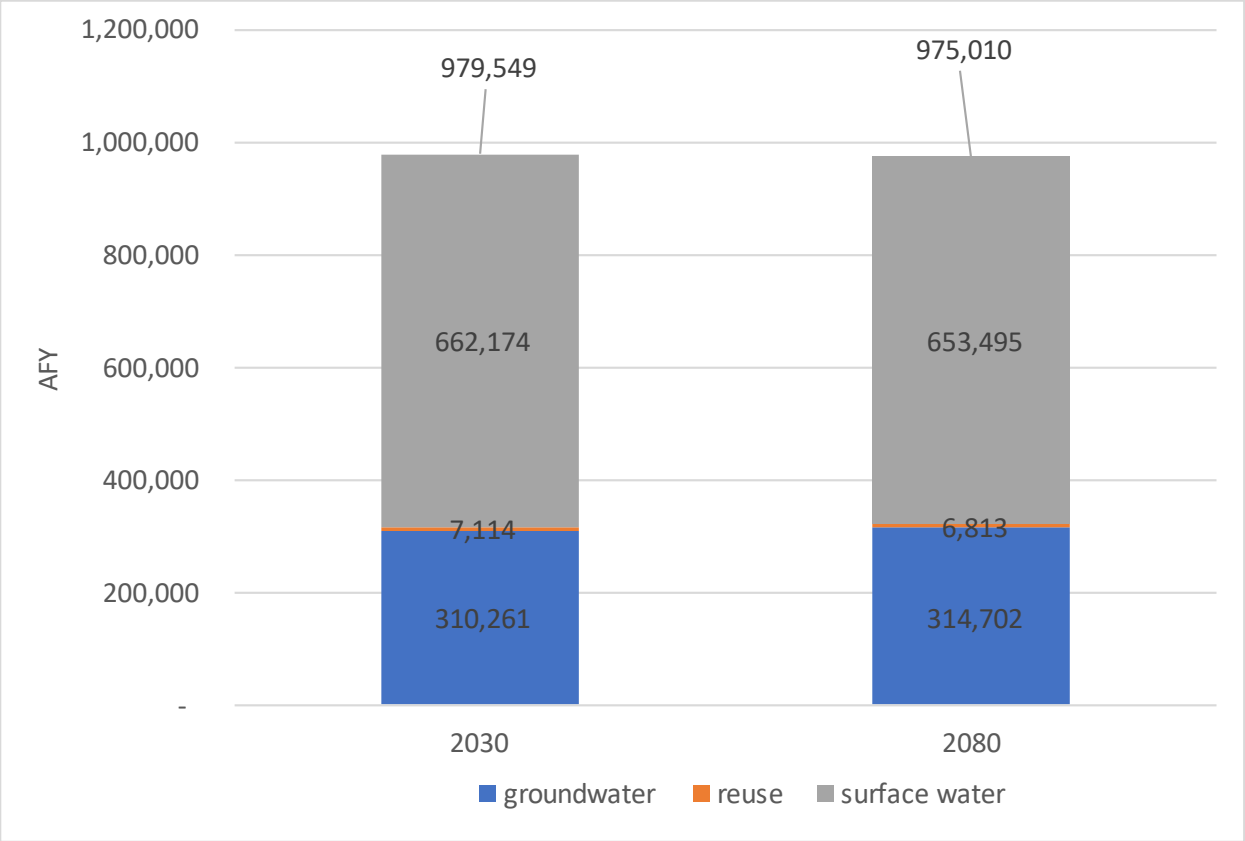

Figure 5: Comparison of supplies by source category for the decades of 2030 and 2080.

5 Needs

Needs occur when supplies are not sufficient to meet demands. A summary of needs in the region, categorized by municipal and non-municipal, is shown in Figure 6. Quantities shown in this figure were derived by adding all the needs (where supply does not meet demand) for all of the WUGs. Some WUGs show surpluses (where supply exceeds demand), and these are counted as having a need of zero.

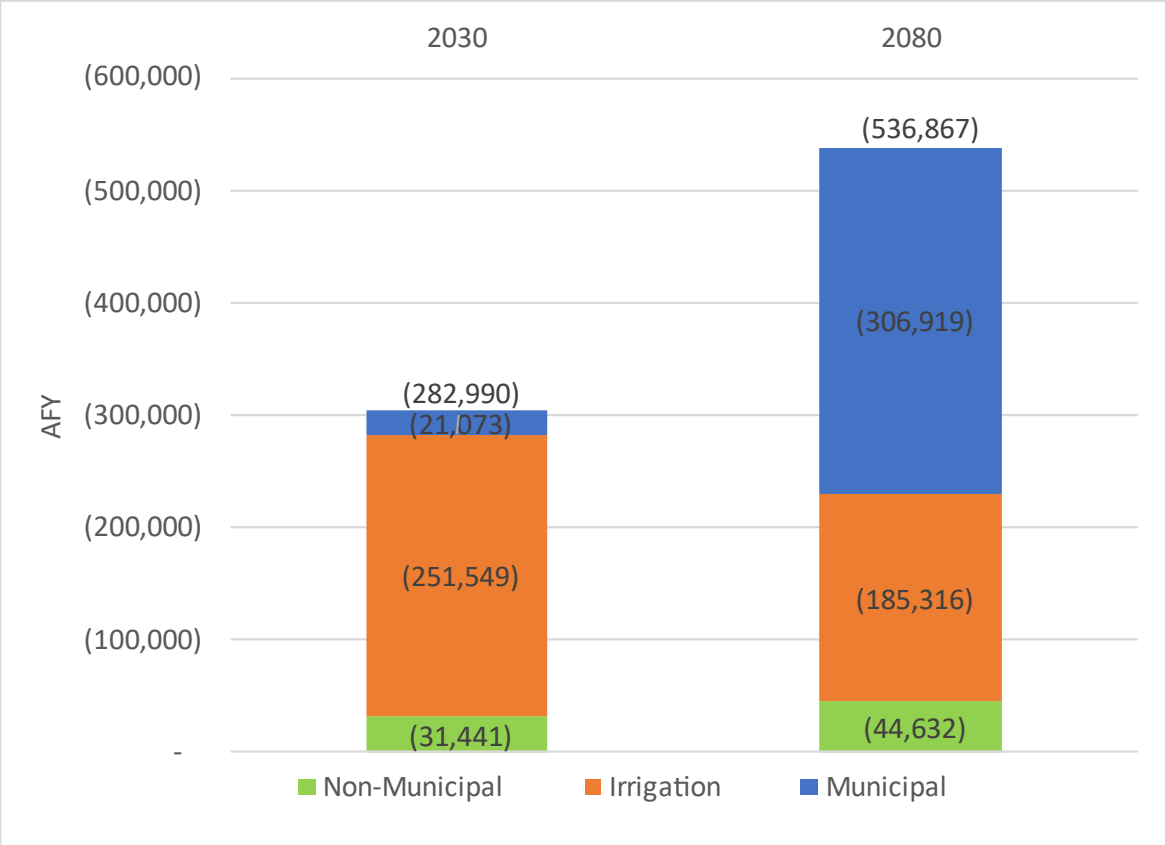

Figure 6: Comparison of needs by municipal, irrigation, and other non-municipal for the decades of 2030 and 2080. Surpluses are not considered in these totals.

6 Water Management Strategies

Water Management Strategies are required to meet the needs identified by comparing supplies to demands.

6.1 Documented Process for Identifying Potentially Feasible Water Management Strategies

The region presented its process for identifying potentially feasible water management strategies for public comment at the December 1, 2023 Region K meeting.

The approved documented process is as follows:

1. Define groupings or common areas with supply deficiencies.
2. Develop a comprehensive list of potentially feasible strategies for each area.
3. Meet with potential suppliers/WUGs for each area to determine current strategies under consideration.

4. Prepare qualitative rating based on cost, reliability, environmental impact, and political acceptability for the various strategies.
5. Select one or more additional strategies for each area, if appropriate.
6. Present proposed shortlist at Public Meeting during Region K Planning Group meeting for modification and/or approval.

6.2 List of Feasible Water Management Strategies Identified to Date

The region has identified potentially feasible WMSs for the 2026 Regional Water Plan by reviewing the WMSs considered and recommended in the 2021 Regional Water Plan. Based on the work to-date, a list has been tabulated in matrix form using a template provided by TWDB staff (Attachment C). Strategies are listed for WUGs regardless of water need. The scope of work associated with development and evaluation of these strategies was presented for public comment at the February 13, 2024 Region K meeting.

6.3 List of Infeasible Water Management Strategies and Water Management Strategy Projects from the 2021 Region K Plan

No infeasible Water Management Strategies or Water Management Strategy Projects were identified in Region K.

For the 2026 cycle, there is a new requirement that mandates the identification of infeasible WMSs and WMSP in the 2021 Regional Water Plan. This process involves, at a minimum, reviewing strategies or projects that were slated to come online in the 2020 decade. Additionally, there was an encouragement to examine WMS planned for 2030 and beyond, especially those with extended lead times. It is important to note that recommended strategies or projects for the 2020 decade are required to either be operational and delivering water by January 5, 2023, or they must meet the "affirmative steps" requirement, which includes actions such as spending money, voting to allocate funds, or applying for federal or state permits. A WMS is deemed infeasible if it is not currently implemented and the project sponsor has not taken any affirmative steps towards its implementation. However, this requirement does not apply to strategies or projects that do not necessitate a permit or involve construction. The focus here is primarily on reservoirs, desalination, Direct Potable Reuse (DPR), Aquifer Storage and Recovery (ASR), and out-of-state water transfers.

6.3.1 Water Management Strategies

The review process involved an examination of 128 strategies, focusing on their feasibility and implementation requirements. A significant portion of these, totaling 118 strategies, were centered on demand reduction. These strategies primarily entailed the implementation of short-term water restrictions, which did not necessitate any construction or permit, thereby rendering them feasible. Additionally, there were two strategies related to mining conservation in Burnet and Bastrop Counties that only involved rerouting water within the mining operations at no capital cost, which also led to them being classified as feasible.

The eight remaining strategies were related to source. Evaluating these strategies required communication with six different sponsors to confirm the status of permits, construction, or affirmative steps taken. These sponsors and their respective strategies included the Fayette County GCD, which,

while not a direct sponsor, provided insights on groundwater strategies in Fayette County, particularly concerning the Gulf Coast aquifer groundwater expansion. Austin Water was involved with Lake Operations, and the City of Llano focused on an emergency drought supply. Meadowlakes' strategy revolved around acquiring additional reclaimed water from Marble Falls. The LCRA contributed strategies regarding interruptible water, blending brackish surface water at the STPNOC, and managing downstream return flows. Lastly, Travis County Municipal Utility District #4 was engaged in securing additional water as needed from the Barton Creek Water Supply Corporation. In each case, the strategy sponsor confirmed that implementation or affirmative steps had been taken to render the strategy feasible.

6.3.2 Water Management Strategy Projects

During the review of WMSPs, a total of 91 projects were scrutinized for their feasibility and implementation requirements. The majority of these projects (69 out of 91) were focused on data gathering or water loss control. Since these projects did not require construction or a permit, they were deemed feasible. Additionally, there were six projects centered on agricultural conservation, involving either on-farm conservation techniques or the implementation of sprinkler systems. The need for a permit in these cases was not applicable, but the requirement for construction was somewhat ambiguous, so further information was sought from stakeholders. The LCRA, Daniel Berglund (farmer and Region K member representing small business), and various Natural Resources Conservation Service (NRCS) offices confirmed the adoption of these conservation practices.

Three projects, sponsored by county-wide entities, were dedicated to agricultural conservation through the implementation of drip irrigation systems. NRCS offices verified that farmers in all three counties were enhancing their sprinkler systems and incorporating drip irrigation as part of their water conservation efforts.

Of the 13 remaining projects, the Buda ASR was confirmed to be active, evidenced by the construction of a demonstration well and the application for permits with the TCEQ and Barton Springs Edwards Aquifer GCD. Eight projects were related to groundwater, and outreach was conducted to confirm affirmative steps taken by various sponsors, including the Fayette County GCD, Coastal Bend GCD, Coastal Plains GCD, Colorado County GCD, and the Hayes Trinity and Barton Springs Edwards Aquifer GCDs. These projects primarily focused on the expansion of groundwater supplies, with an exception in Mills County, which, lacking a GCD, was assumed to follow similar patterns as the other counties.

The remaining four projects were based on surface water, and involved reaching out to sponsors for confirmation of affirmative steps. Austin Water was engaged in a project concerning reclaimed water, while the LCRA focused on irrigation conveyance improvements in Colorado, Wharton, and Matagorda counties. In each case, the project sponsor confirmed that implementation or affirmative steps had been taken to render the project feasible.

7 Summary of Interregional Coordination Efforts to Date

Region K shares a portion of its boundary and/or WUGs with Regions G, J, L, F, H, and P. Significant cross-region sources and supplies occur between Region K and Regions L, P, and G. The Region K consultant team has met on an approximate bi-weekly basis with the consultant teams for L and P (Black and Veatch) and G (Carollo). Interregional coordination memos were drafted and agreed to by the consultants.

8 Electronic Deliverables

8.1 /memo

/memo contains this memorandum in PDF and DOCX formats.

8.2 /DB27_Database_Reports

/DB27_Database_Reports contains the following seven tables, corresponding to SARA DRAFT 2026 RWP Reports 1-5, 7, 8.

1. 2026 RWP WUG Population (presenting population projections by WUG, county, and river basin)
2. 2026 RWP WUG Demand (presenting water demand projections by WUG, county, and river basin)
3. 2026 RWP Source Availability (presenting water availability by source)
4. 2026 RWP WUG Existing Water Supply (presenting existing water supplies by WUG, county, and river basin)
5. 2026 RWP WUG Needs/Surplus (presenting identified water needs by WUG, county, and river basin)
6. 2026 RWP WUG Data Comparison to 2021 RWP (presenting a comparison of supply, demand, and needs between the 2021 and 2026 RWP at a county level)
7. 2026 RWP Source Data Comparison to 2021 RWP (presenting a comparison of availability by source type between the 2021 and 2026 RWP at a county level)

8.3 /model_files

Contains the WAM model files used in determining surface water availability. The models correspond to those listed in Table 2.

Appendix A

Tables corresponding to SARA DRAFT 2026 RWP Reports 1-5, 7, 8.

DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Bastrop County Total	**120,901**	**150,018**	**184,520**	**223,711**	**268,126**	**318,461**
Bastrop County / Brazos Basin Total	**1,515**	**1,962**	**2,501**	**3,117**	**3,853**	**4,708**
Aqua WSC*	763	948	1,167	1,416	1,699	2,018
Lee County WSC*	687	943	1,248	1,593	1,985	2,428
County-Other	65	71	86	108	169	262
Bastrop County / Colorado Basin Total	**118,864**	**147,410**	**181,224**	**219,628**	**263,100**	**312,339**
Aqua WSC*	78,181	97,153	119,637	145,176	174,116	206,917
Bastrop	11,346	14,029	17,208	20,819	24,912	29,550
Bastrop County WCID 2	5,276	6,491	7,929	9,563	11,414	13,513
Creedmoor-Maha WSC*	232	365	523	702	905	1,135
Elgin	12,864	17,032	21,363	25,753	27,638	27,638
Fayette WSC*	61	98	143	194	251	316
Lee County WSC*	830	1,139	1,508	1,925	2,398	2,934
Polonia WSC*	189	191	192	194	196	198
Smithville	3,686	3,960	4,274	4,635	5,045	5,512
The Colony MUD 1A	583	795	1,049	1,336	1,661	2,029
County-Other	5,616	6,157	7,398	9,331	14,564	22,597
Bastrop County / Guadalupe Basin Total	**522**	**646**	**795**	**966**	**1,173**	**1,414**
Aqua WSC*	500	622	766	929	1,115	1,325
County-Other	22	24	29	37	58	89
Blanco County Total	**11,851**	**11,951**	**11,731**	**11,518**	**11,277**	**11,004**
Blanco County / Colorado Basin Total	**6,211**	**6,308**	**6,256**	**6,210**	**6,155**	**6,089**
Corix Utilities Texas Inc*	217	217	217	217	217	217
Johnson City	1,877	1,993	2,116	2,246	2,384	2,531
County-Other	4,117	4,098	3,923	3,747	3,554	3,341
Blanco County / Guadalupe Basin Total	**5,640**	**5,643**	**5,475**	**5,308**	**5,122**	**4,915**
Blanco	1,522	1,535	1,507	1,480	1,450	1,414
Canyon Lake Water Service*	536	536	536	536	536	536
Rancho Del Lago	509	514	504	495	484	472
County-Other	3,073	3,058	2,928	2,797	2,652	2,493
Burnet County Total	**55,262**	**60,627**	**65,257**	**70,323**	**76,064**	**82,570**
Burnet County / Brazos Basin Total	**9,907**	**10,880**	**12,669**	**14,620**	**16,822**	**19,305**
Bertram	4,578	5,926	7,093	8,433	9,943	11,646
Corix Utilities Texas Inc*	65	72	79	86	95	104

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

DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Georgetown*	566	802	908	961	1,034	1,080
Kempner WSC*	567	548	531	508	483	454
County-Other	4,131	3,532	4,058	4,632	5,267	6,021
Burnet County / Colorado Basin Total	**45,355**	**49,747**	**52,588**	**55,703**	**59,242**	**63,265**
Bertram	209	271	324	385	454	532
Burnet	6,963	7,387	7,752	8,133	8,567	9,063
Corix Utilities Texas Inc*	4,385	4,909	5,361	5,864	6,431	7,072
Cottonwood Shores	1,702	1,939	2,143	2,372	2,631	2,925
Granite Shoals	6,320	6,528	6,707	6,873	7,065	7,288
Horseshoe Bay	909	993	1,065	1,144	1,234	1,336
Kingsland WSC	808	1,013	1,270	1,593	1,998	2,506
Marble Falls	13,287	17,072	17,079	17,086	17,093	17,101
Meadowlakes	1,922	2,068	2,193	2,329	2,482	2,541
County-Other	8,850	7,567	8,694	9,924	11,287	12,901
Colorado County Total	**19,985**	**19,396**	**18,742**	**18,145**	**17,468**	**16,701**
Colorado County / Brazos-Colorado Basin Total	**2,263**	**2,140**	**2,015**	**1,915**	**1,803**	**1,678**
Eagle Lake	896	805	717	656	588	513
County-Other	1,367	1,335	1,298	1,259	1,215	1,165
Colorado County / Colorado Basin Total	**13,971**	**13,595**	**13,172**	**12,782**	**12,337**	**11,831**
Columbus	3,369	3,424	3,460	3,470	3,469	3,454
Corix Utilities Texas Inc*	310	282	257	234	213	193
Eagle Lake	2,106	1,891	1,684	1,540	1,381	1,206
Weimar	572	558	541	524	506	485
County-Other	7,614	7,440	7,230	7,014	6,768	6,493
Colorado County / Lavaca Basin Total	**3,751**	**3,661**	**3,555**	**3,448**	**3,328**	**3,192**
Weimar	1,277	1,243	1,205	1,169	1,128	1,082
County-Other	2,474	2,418	2,350	2,279	2,200	2,110
Fayette County Total	**24,270**	**23,782**	**23,237**	**23,121**	**22,990**	**22,842**
Fayette County / Colorado Basin Total	**16,514**	**16,371**	**16,205**	**16,329**	**16,459**	**16,591**
Fayette County WCID Monument Hill	566	557	546	543	541	539
Fayette WSC*	6,787	7,277	7,803	8,366	8,971	9,618
La Grange	4,645	4,553	4,449	4,426	4,401	4,373
Lee County WSC*	1,198	1,173	1,146	1,139	1,133	1,126
West End WSC*	754	737	721	716	713	707

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

DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
County-Other	2,564	2,074	1,540	1,139	700	228
Fayette County / Guadalupe Basin Total	**809**	**822**	**835**	**859**	**884**	**913**
Fayette WSC*	466	500	536	575	616	661
Flatonia	259	254	248	247	245	244
County-Other	84	68	51	37	23	8
Fayette County / Lavaca Basin Total	**6,947**	**6,589**	**6,197**	**5,933**	**5,647**	**5,338**
Fayette WSC*	746	800	858	920	986	1,058
Flatonia	1,168	1,145	1,117	1,111	1,106	1,098
Schulenburg	3,000	3,000	3,000	3,000	3,000	3,000
County-Other	2,033	1,644	1,222	902	555	182
Gillespie County Total	**28,366**	**29,831**	**31,307**	**33,419**	**35,813**	**38,526**
Gillespie County / Colorado Basin Total	**27,738**	**29,159**	**30,591**	**32,638**	**34,959**	**37,589**
Fredericksburg	11,261	11,529	11,794	12,138	12,539	13,005
County-Other	16,477	17,630	18,797	20,500	22,420	24,584
Gillespie County / Guadalupe Basin Total	**628**	**672**	**716**	**781**	**854**	**937**
County-Other	628	672	716	781	854	937
Hays County Total	**95,467**	**137,717**	**193,353**	**268,868**	**354,449**	**451,437**
Hays County / Colorado Basin Total	**95,467**	**137,717**	**193,353**	**268,868**	**354,449**	**451,437**
Austin	129	152	176	200	224	249
Buda	20,475	28,665	34,156	39,620	45,959	53,312
Canyon Lake Water Service*	1,266	1,301	1,326	1,345	1,358	1,358
Cimarron Park Water	2,115	2,115	2,115	2,115	2,115	2,115
Dripping Springs WSC	16,368	23,698	34,310	40,673	40,673	40,673
Goforth SUD*	3,076	4,440	6,235	8,672	11,434	14,563
Hays	1,109	1,601	2,248	3,127	4,123	5,250
Hays County WCID 1	3,647	3,647	3,647	3,647	3,647	3,647
Hays County WCID 2	3,390	3,390	3,390	3,390	3,390	3,390
Headwaters at Barton Creek	1,231	1,778	2,497	3,473	4,579	5,832
La Ventana WSC	825	825	825	825	825	825
Mid-Tex Utilities	1,031	1,488	2,089	2,905	3,831	4,879
Reunion Ranch WCID	1,167	1,684	2,364	3,289	4,336	5,524
Ruby Ranch WSC	1,122	1,122	1,122	1,122	1,122	1,122
West Travis County Public Utility Agency	17,091	24,658	34,623	48,148	63,476	80,848

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

DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
County-Other*	21,425	37,153	62,230	106,317	163,357	227,850
Llano County Total	**23,089**	**23,892**	**24,399**	**25,729**	**27,236**	**28,944**
Llano County / Colorado Basin Total	**23,089**	**23,892**	**24,399**	**25,729**	**27,236**	**28,944**
Corix Utilities Texas Inc*	2,617	2,680	2,730	2,803	2,887	2,983
Horseshoe Bay	3,754	3,927	4,021	4,355	4,733	5,158
Kingsland WSC	7,650	8,817	10,162	11,712	13,499	15,558
Llano	3,349	3,394	3,448	3,444	3,443	3,443
Sunrise Beach Village	768	784	797	808	822	838
County-Other	4,951	4,290	3,241	2,607	1,852	964
Matagorda County Total	**35,212**	**34,061**	**32,705**	**31,115**	**29,313**	**27,271**
Matagorda County / Brazos-Colorado Basin Total	**25,212**	**24,830**	**24,407**	**23,889**	**23,289**	**22,584**
Bay City	17,323	17,299	17,347	17,380	17,405	17,417
Caney Creek MUD of Matagorda County	2,339	2,541	2,772	3,023	3,294	3,586
Corix Utilities Texas Inc*	391	391	374	356	338	302
Matagorda County WCID 6	985	953	914	870	819	761
Matagorda Waste Disposal & WSC	5	5	5	5	4	4
County-Other	4,169	3,641	2,995	2,255	1,429	514
Matagorda County / Colorado Basin Total	**1,163**	**1,050**	**910**	**752**	**575**	**378**
Bay City	56	56	56	56	56	56
Corix Utilities Texas Inc*	4	4	3	3	3	3
Matagorda Waste Disposal & WSC	281	272	261	248	234	218
County-Other	822	718	590	445	282	101
Matagorda County / Colorado-Lavaca Basin Total	**8,837**	**8,181**	**7,388**	**6,474**	**5,449**	**4,309**
Markham MUD	753	727	699	664	625	581
Palacios	4,116	3,980	3,820	3,632	3,419	3,178
Quadvest*	93	90	86	82	77	72
County-Other	3,875	3,384	2,783	2,096	1,328	478
Mills County Total	**4,177**	**3,870**	**3,550**	**3,350**	**3,140**	**2,919**
Mills County / Brazos Basin Total	**749**	**641**	**528**	**463**	**397**	**333**
Goldthwaite	29	29	29	29	29	29
County-Other	720	612	499	434	368	304

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DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Mills County / Colorado Basin Total	**3,428**	**3,229**	**3,022**	**2,887**	**2,743**	**2,586**
Corix Utilities Texas Inc*	542	520	498	469	432	381
Goldthwaite	1,709	1,709	1,709	1,709	1,709	1,709
County-Other	1,177	1,000	815	709	602	496
San Saba County Total	**5,439**	**5,159**	**4,906**	**4,736**	**4,557**	**4,369**
San Saba County / Colorado Basin Total	**5,439**	**5,159**	**4,906**	**4,736**	**4,557**	**4,369**
Corix Utilities Texas Inc*	104	96	85	77	68	57
North San Saba WSC	448	420	396	379	362	341
Richland SUD*	658	619	591	569	561	570
San Saba	3,000	3,000	3,000	3,000	3,000	3,000
County-Other	1,229	1,024	834	711	566	401
Travis County Total	**1,655,086**	**1,969,741**	**2,230,906**	**2,474,606**	**2,720,449**	**2,985,821**
Travis County / Colorado Basin Total	**1,654,203**	**1,968,636**	**2,229,645**	**2,473,206**	**2,718,868**	**2,984,031**
Aqua WSC*	8,397	9,970	11,335	12,696	14,240	15,990
Austin	1,125,827	1,315,416	1,506,094	1,695,615	1,871,015	2,055,039
Barton Creek West WSC	1,306	1,337	1,337	1,337	1,337	1,337
Barton Creek WSC	565	606	642	680	723	771
Briarcliff	3,281	4,021	4,662	5,296	6,016	6,833
Canyon Lake Water Service*	1,266	1,301	1,327	1,345	1,359	1,359
Cedar Park*	10,542	11,955	12,521	12,521	12,521	12,521
Cottonwood Creek MUD 1	5,000	5,000	5,000	5,000	5,000	5,000
Creedmoor-Maha WSC*	6,600	7,618	8,503	9,393	10,401	11,543
Cypress Ranch WCID 1	1,664	1,786	1,786	1,786	1,786	1,786
Elgin	6,295	11,502	16,546	21,531	23,106	23,106
Garfield WSC	1,516	1,602	1,679	1,761	1,854	1,959
Hornsby Bend Utility	12,375	15,477	18,162	20,812	23,822	27,238
Hurst Creek MUD	2,781	2,781	2,781	2,781	2,781	2,781
Jonestown WSC	5,177	6,206	7,440	8,919	10,692	12,818
Kelly Lane WCID 1	2,499	2,499	2,499	2,499	2,499	2,499
Kelly Lane WCID 2	4,352	6,179	7,755	9,294	11,043	13,031
Lago Vista	16,749	24,793	34,870	44,503	46,752	49,000
Lakeside MUD 3*	3,261	4,572	5,703	6,807	8,062	9,489
Lakeside WCID 1	2,803	3,313	3,756	4,197	4,698	5,266
Lakeside WCID 2-B	2,177	2,498	2,778	3,060	3,379	3,740
Lakeside WCID 2-C	6,495	8,970	11,106	13,194	15,567	18,265
Lakeside WCID 2-D	4,553	6,241	7,697	9,122	10,741	12,583

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DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Lakeway MUD	10,726	11,095	11,242	11,242	11,242	11,242
Leander*	31,825	40,207	39,805	37,624	36,091	34,990
Loop 360 WSC	1,551	1,527	1,509	1,501	1,491	1,479
Manor	20,961	28,491	34,994	41,355	48,588	56,807
Manville WSC*	25,938	32,321	37,847	43,303	49,499	56,533
Mid-Tex Utilities	1,802	2,490	3,085	3,666	4,326	5,077
North Austin MUD 1	927	927	927	927	927	927
Northtown MUD	9,899	10,395	10,837	11,322	11,866	12,476
Pflugerville	71,822	89,950	105,642	121,124	138,707	158,669
Rollingwood	1,507	1,527	1,546	1,574	1,605	1,638
Rough Hollow in Travis County	5,698	5,698	5,698	5,698	5,698	5,698
Round Rock*	1,995	2,439	2,824	3,205	3,639	4,130
Senna Hills MUD	882	903	924	946	968	991
Shady Hollow MUD	3,291	3,359	3,422	3,503	3,592	3,691
Sunset Valley	737	737	737	737	737	737
Sweetwater Community	4,423	5,832	5,832	5,832	5,832	5,832
Travis County MUD 10	485	658	807	953	1,118	1,307
Travis County MUD 14	3,039	3,632	4,146	4,657	5,238	5,897
Travis County MUD 18	1,449	1,449	1,449	1,449	1,449	1,449
Travis County MUD 2	4,418	5,593	6,609	7,611	8,749	10,041
Travis County MUD 4	3,318	3,916	4,436	4,954	5,542	6,208
Travis County WCID 10	7,658	8,175	8,631	9,116	9,662	10,276
Travis County WCID 17	46,952	57,890	67,364	76,734	87,372	99,447
Travis County WCID 18	5,523	5,523	5,523	5,523	5,523	5,523
Travis County WCID 19	463	470	477	484	491	498
Travis County WCID 20	1,469	1,469	1,469	1,469	1,469	1,469
Travis County WCID Point Venture	1,668	2,019	2,444	2,959	3,582	4,337
Undine Development	561	561	561	561	561	561
Wells Branch MUD	21,073	21,907	21,907	21,907	21,907	21,907
West Travis County Public Utility Agency	26,862	34,242	40,627	46,912	54,051	62,159
Wilbarger Creek MUD 1	3,171	4,549	5,738	6,897	8,216	9,715
Williamson County WSID 3*	446	367	302	249	205	169
Williamson Travis Counties MUD 1*	1,195	1,195	1,195	1,195	1,195	1,195
Windermere Utility	17,553	17,866	17,866	17,866	17,866	17,866
County-Other	77,435	103,614	95,244	74,002	70,470	69,136
Travis County / Guadalupe Basin Total	**883**	**1,105**	**1,261**	**1,400**	**1,581**	**1,790**
Creedmoor-Maha WSC*	474	547	611	675	747	829

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DRAFT Region K Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Goforth SUD*	316	434	536	636	749	878
County-Other	93	124	114	89	85	83
Wharton County Total	**25,098**	**24,970**	**24,550**	**24,030**	**23,441**	**22,773**
Wharton County / Brazos-Colorado Basin Total	**16,996**	**16,906**	**16,576**	**16,187**	**15,750**	**15,252**
Boling MWD	635	628	529	447	356	256
Wharton	5,851	5,817	5,608	5,401	5,169	4,908
Wharton County WCID 2	1,531	1,521	1,439	1,364	1,280	1,185
County-Other*	8,979	8,940	9,000	8,975	8,945	8,903
Wharton County / Colorado Basin Total	**6,756**	**6,723**	**6,624**	**6,497**	**6,350**	**6,185**
El Campo*	139	137	112	93	70	46
Wharton	2,767	2,752	2,653	2,555	2,445	2,321
County-Other*	3,850	3,834	3,859	3,849	3,835	3,818
Wharton County / Colorado-Lavaca Basin Total	**1,243**	**1,238**	**1,246**	**1,243**	**1,238**	**1,233**
County-Other*	1,243	1,238	1,246	1,243	1,238	1,233
Wharton County / Lavaca Basin Total	**103**	**103**	**104**	**103**	**103**	**103**
County-Other*	103	103	104	103	103	103
Williamson County Total	**104,339**	**136,312**	**174,024**	**215,276**	**262,027**	**315,010**
Williamson County / Brazos Basin Total	**104,339**	**136,312**	**174,024**	**215,276**	**262,027**	**315,010**
Austin	94,844	124,153	163,421	203,844	247,105	291,088
Brushy Creek MUD*	292	292	292	294	294	294
Fern Bluff MUD*	119	121	123	125	127	129
North Austin MUD 1	8,584	8,584	8,584	8,584	8,584	8,584
Wells Branch MUD	500	734	1,012	1,073	1,073	1,073
County-Other*	0	2,428	592	1,356	4,844	13,842
Region K Population Total	**2,208,542**	**2,631,327**	**3,023,187**	**3,427,947**	**3,856,350**	**4,328,648**

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Bastrop County Total	**33,737**	**38,329**	**43,876**	**50,211**	**57,540**	**65,957**
Bastrop County / Brazos Basin Total	**612**	**677**	**756**	**848**	**960**	**1,089**
Aqua WSC*	123	152	187	227	273	324
Lee County WSC*	96	131	173	221	276	337
County-Other	12	13	15	19	30	47
Livestock	97	97	97	97	97	97
Irrigation	284	284	284	284	284	284
Bastrop County / Colorado Basin Total	**32,752**	**37,260**	**42,704**	**48,919**	**56,103**	**64,351**
Aqua WSC*	12,590	15,597	19,207	23,307	27,952	33,218
Bastrop	2,048	2,523	3,095	3,744	4,480	5,315
Bastrop County WCID 2	482	590	721	870	1,038	1,229
Creedmoor-Maha WSC*	25	39	55	74	96	120
Elgin	1,737	2,290	2,872	3,462	3,716	3,716
Fayette WSC*	8	13	19	26	34	43
Lee County WSC*	116	158	210	268	333	408
Polonia WSC*	23	23	23	23	24	24
Smithville	616	660	712	772	840	918
The Colony MUD 1A	196	267	352	448	557	680
County-Other	1,003	1,098	1,320	1,664	2,597	4,028
Manufacturing	414	429	445	461	478	496
Mining	388	467	567	694	852	1,050
Steam Electric Power	7,764	7,764	7,764	7,764	7,764	7,764
Livestock	1,102	1,102	1,102	1,102	1,102	1,102
Irrigation	4,240	4,240	4,240	4,240	4,240	4,240
Bastrop County / Guadalupe Basin Total	**373**	**392**	**416**	**444**	**477**	**517**
Aqua WSC*	81	100	123	149	179	213
County-Other	4	4	5	7	10	16
Livestock	51	51	51	51	51	51
Irrigation	237	237	237	237	237	237
Blanco County Total	**3,914**	**3,927**	**3,906**	**3,887**	**3,864**	**3,837**
Blanco County / Colorado Basin Total	**2,504**	**2,518**	**2,519**	**2,522**	**2,522**	**2,522**
Corix Utilities Texas Inc*	40	40	40	40	40	40
Johnson City	315	333	353	375	398	423
County-Other	490	485	464	444	421	395
Manufacturing	12	13	14	15	15	16

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Mining	9	9	10	10	10	10
Livestock	297	297	297	297	297	297
Irrigation	1,341	1,341	1,341	1,341	1,341	1,341
Blanco County / Guadalupe Basin Total	**1,410**	**1,409**	**1,387**	**1,365**	**1,342**	**1,315**
Blanco	216	217	213	209	205	200
Canyon Lake Water Service*	65	65	65	65	65	65
Rancho Del Lago	129	130	127	125	122	119
County-Other	365	362	347	331	314	295
Manufacturing	4	4	4	4	5	5
Livestock	58	58	58	58	58	58
Irrigation	573	573	573	573	573	573
Burnet County Total	**15,598**	**17,240**	**18,303**	**19,443**	**20,686**	**22,032**
Burnet County / Brazos Basin Total	**3,560**	**3,906**	**4,348**	**4,823**	**5,343**	**5,916**
Bertram	1,099	1,420	1,699	2,021	2,382	2,790
Corix Utilities Texas Inc*	12	13	15	16	17	19
Georgetown*	107	151	171	181	195	204
Kempner WSC*	109	105	102	97	93	87
County-Other	617	525	604	689	783	896
Mining	364	440	505	567	621	668
Livestock	484	484	484	484	484	484
Irrigation	768	768	768	768	768	768
Burnet County / Colorado Basin Total	**12,038**	**13,334**	**13,955**	**14,620**	**15,343**	**16,116**
Bertram	50	65	78	92	109	128
Burnet	1,529	1,617	1,697	1,780	1,875	1,984
Corix Utilities Texas Inc*	812	906	989	1,082	1,187	1,305
Cottonwood Shores	293	333	368	407	452	502
Granite Shoals	648	666	684	701	721	743
Horseshoe Bay	413	451	484	520	560	607
Kingsland WSC	85	106	132	166	208	261
Marble Falls	3,497	4,480	4,482	4,484	4,485	4,488
Meadowlakes	635	683	724	769	819	839
County-Other	1,321	1,126	1,293	1,476	1,679	1,919
Manufacturing	556	562	568	574	580	587
Mining	665	805	922	1,035	1,134	1,219
Livestock	311	311	311	311	311	311

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation	1,223	1,223	1,223	1,223	1,223	1,223
Colorado County Total	**170,166**	**165,810**	**161,612**	**157,515**	**153,517**	**149,602**
Colorado County / Brazos-Colorado Basin Total	**49,202**	**47,870**	**46,578**	**45,322**	**44,100**	**42,908**
Eagle Lake	119	106	94	86	78	68
County-Other	163	158	154	149	144	138
Manufacturing	2	2	3	3	3	3
Livestock	296	296	296	296	296	296
Irrigation	48,622	47,308	46,031	44,788	43,579	42,403
Colorado County / Colorado Basin Total	**32,499**	**31,825**	**31,207**	**30,591**	**29,981**	**29,368**
Columbus	980	994	1,004	1,007	1,007	1,003
Corix Utilities Texas Inc*	57	52	47	43	39	36
Eagle Lake	279	249	222	203	182	159
Weimar	129	125	121	118	114	109
County-Other	906	880	855	829	801	768
Manufacturing	105	109	113	117	121	126
Mining	2,773	2,857	2,977	3,078	3,176	3,263
Steam Electric Power	226	226	226	226	226	226
Livestock	731	731	731	731	731	731
Irrigation	26,313	25,602	24,911	24,239	23,584	22,947
Colorado County / Lavaca Basin Total	**88,465**	**86,115**	**83,827**	**81,602**	**79,436**	**77,326**
Weimar	287	279	271	262	253	243
County-Other	294	286	278	270	260	249
Manufacturing	486	504	522	542	562	582
Livestock	252	252	252	252	252	252
Irrigation	87,146	84,794	82,504	80,276	78,109	76,000
Fayette County Total	**27,600**	**27,536**	**27,482**	**27,489**	**27,496**	**26,569**
Fayette County / Colorado Basin Total	**24,705**	**24,677**	**24,656**	**24,676**	**24,699**	**24,134**
Fayette County WCID Monument Hill	135	133	130	129	129	128
Fayette WSC*	928	990	1,061	1,139	1,221	1,309
La Grange	791	772	755	751	747	742
Lee County WSC*	167	163	159	158	157	156
West End WSC*	79	77	75	74	74	73
County-Other	321	258	192	141	87	28

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Manufacturing	3	3	3	3	3	3
Mining	587	587	587	587	587	1
Steam Electric Power	20,052	20,052	20,052	20,052	20,052	20,052
Livestock	1,208	1,208	1,208	1,208	1,208	1,208
Irrigation	434	434	434	434	434	434
Fayette County / Guadalupe Basin Total	**302**	**302**	**304**	**307**	**311**	**315**
Fayette WSC*	64	68	73	78	84	90
Flatonia	53	52	51	50	50	50
County-Other	11	8	6	5	3	1
Livestock	102	102	102	102	102	102
Irrigation	72	72	72	72	72	72
Fayette County / Lavaca Basin Total	**2,593**	**2,557**	**2,522**	**2,506**	**2,486**	**2,120**
Fayette WSC*	102	109	117	125	134	144
Flatonia	240	234	228	228	226	225
Schulenburg	654	652	652	652	652	652
County-Other	254	204	152	112	69	23
Manufacturing	396	411	426	442	458	475
Mining	347	347	347	347	347	1
Livestock	383	383	383	383	383	383
Irrigation	217	217	217	217	217	217
Gillespie County Total	**8,883**	**9,084**	**9,309**	**9,620**	**9,971**	**10,369**
Gillespie County / Colorado Basin Total	**8,806**	**9,002**	**9,222**	**9,526**	**9,869**	**10,257**
Fredericksburg	3,075	3,137	3,209	3,303	3,412	3,539
County-Other	1,870	1,989	2,121	2,314	2,531	2,774
Manufacturing	388	402	417	432	448	465
Mining	19	20	21	23	24	25
Livestock	996	996	996	996	996	996
Irrigation	2,458	2,458	2,458	2,458	2,458	2,458
Gillespie County / Guadalupe Basin Total	**77**	**82**	**87**	**94**	**102**	**112**
County-Other	71	76	81	88	96	106
Livestock	6	6	6	6	6	6

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Hays County Total	**19,392**	**26,881**	**36,642**	**49,403**	**63,493**	**79,467**
Hays County / Colorado Basin Total	**19,392**	**26,881**	**36,642**	**49,403**	**63,493**	**79,467**
Austin	22	26	30	34	38	42
Buda	3,236	4,515	5,380	6,240	7,239	8,397
Canyon Lake Water Service*	155	158	161	164	165	165
Cimarron Park Water	235	234	234	234	234	234
Dripping Springs WSC	2,802	4,044	5,854	6,940	6,940	6,940
Goforth SUD*	335	481	676	940	1,239	1,578
Hays	161	232	325	453	597	760
Hays County WCID 1	803	801	801	801	801	801
Hays County WCID 2	777	775	775	775	775	775
Headwaters at Barton Creek	104	150	210	292	385	490
La Ventana WSC	138	137	137	137	137	137
Mid-Tex Utilities	119	171	240	334	440	560
Reunion Ranch WCID	315	454	637	887	1,169	1,490
Ruby Ranch WSC	143	142	142	142	142	142
West Travis County Public Utility Agency	5,950	8,570	12,034	16,735	22,062	28,100
County-Other*	2,561	4,424	7,410	12,659	19,451	27,130
Manufacturing*	78	85	92	99	106	114
Mining*	959	983	1,005	1,038	1,074	1,113
Livestock*	116	116	116	116	116	116
Irrigation*	383	383	383	383	383	383
Llano County Total	**9,781**	**7,963**	**8,060**	**8,331**	**8,638**	**8,984**
Llano County / Colorado Basin Total	**9,781**	**7,963**	**8,060**	**8,331**	**8,638**	**8,984**
Corix Utilities Texas Inc*	485	495	504	517	533	550
Horseshoe Bay	1,707	1,783	1,826	1,978	2,149	2,342
Kingsland WSC	801	919	1,059	1,220	1,407	1,621
Llano	795	804	817	816	816	816
Sunrise Beach Village	75	77	78	79	80	82
County-Other	498	429	324	261	185	96
Manufacturing	3	3	3	3	3	3
Mining	2,214	250	246	254	262	271
Steam Electric Power	1,927	1,927	1,927	1,927	1,927	1,927
Livestock	628	628	628	628	628	628
Irrigation	648	648	648	648	648	648

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Matagorda County Total	**275,566**	**271,221**	**267,010**	**262,905**	**258,902**	**254,996**
Matagorda County / Brazos-Colorado Basin Total	**78,276**	**76,215**	**74,224**	**72,274**	**70,368**	**68,501**
Bay City	2,547	2,533	2,540	2,544	2,548	2,550
Caney Creek MUD of Matagorda County	276	298	325	355	386	421
Corix Utilities Texas Inc*	72	72	69	65	62	55
Matagorda County WCID 6	97	93	89	85	80	74
Matagorda Waste Disposal & WSC	1	1	1	1	1	1
County-Other	416	360	297	223	141	51
Livestock	453	453	453	453	453	453
Irrigation	74,414	72,405	70,450	68,548	66,697	64,896
Matagorda County / Colorado Basin Total	**46,160**	**46,172**	**46,198**	**46,240**	**46,296**	**46,369**
Bay City	8	8	8	8	8	8
Corix Utilities Texas Inc*	1	1	1	1	1	1
Matagorda Waste Disposal & WSC	50	48	46	44	41	38
County-Other	82	71	58	44	28	10
Manufacturing	36,678	36,951	37,234	37,528	37,832	38,148
Livestock	132	132	132	132	132	132
Irrigation	9,209	8,961	8,719	8,483	8,254	8,032
Matagorda County / Colorado-Lavaca Basin Total	**151,130**	**148,834**	**146,588**	**144,391**	**142,238**	**140,126**
Markham MUD	69	66	63	60	57	53
Palacios	486	468	449	427	402	373
Quadvest*	20	20	19	18	17	16
County-Other	386	335	275	208	132	47
Mining	1	1	1	1	1	1
Steam Electric Power	67,453	67,453	67,453	67,453	67,453	67,453
Livestock	374	374	374	374	374	374
Irrigation	82,341	80,117	77,954	75,850	73,802	71,809
Mills County Total	**6,398**	**6,360**	**6,323**	**6,302**	**6,277**	**6,252**
Mills County / Brazos Basin Total	**1,693**	**1,680**	**1,668**	**1,661**	**1,655**	**1,649**
Goldthwaite	10	10	10	10	10	10
County-Other	90	76	62	54	46	38
Mining	42	43	45	46	48	50
Livestock	311	311	311	311	311	311

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation	1,240	1,240	1,240	1,240	1,240	1,240
Mills County / Colorado Basin Total	**4,705**	**4,680**	**4,655**	**4,641**	**4,622**	**4,603**
Corix Utilities Texas Inc*	100	96	92	87	80	70
Goldthwaite	605	604	604	604	604	604
County-Other	146	124	101	88	74	61
Manufacturing	2	2	2	2	2	2
Mining	66	68	70	74	76	80
Livestock	511	511	511	511	511	511
Irrigation	3,275	3,275	3,275	3,275	3,275	3,275
San Saba County Total	**10,702**	**10,639**	**10,588**	**10,553**	**10,522**	**10,495**
San Saba County / Colorado Basin Total	**10,702**	**10,639**	**10,588**	**10,553**	**10,522**	**10,495**
Corix Utilities Texas Inc*	19	18	16	14	13	11
North San Saba WSC	126	118	111	107	102	96
Richland SUD*	343	322	308	296	292	297
San Saba	1,029	1,027	1,027	1,027	1,027	1,027
County-Other	186	154	125	107	85	60
Manufacturing	19	20	21	22	23	24
Livestock	893	893	893	893	893	893
Irrigation	8,087	8,087	8,087	8,087	8,087	8,087
Travis County Total	**314,373**	**369,982**	**419,133**	**465,785**	**509,391**	**556,427**
Travis County / Colorado Basin Total	**314,268**	**369,852**	**418,987**	**465,625**	**509,212**	**556,225**
Aqua WSC*	1,352	1,601	1,820	2,038	2,286	2,567
Austin	191,812	223,243	255,604	287,768	317,536	348,767
Barton Creek West WSC	420	430	430	430	430	430
Barton Creek WSC	419	449	476	504	536	571
Briarcliff	476	581	674	766	870	988
Canyon Lake Water Service*	155	158	161	164	165	165
Cedar Park*	2,205	2,493	2,611	2,611	2,611	2,611
Cottonwood Creek MUD 1	336	336	336	336	336	336
Creedmoor-Maha WSC*	703	805	899	993	1,100	1,220
Cypress Ranch WCID 1	163	174	174	174	174	174
Elgin	850	1,546	2,224	2,895	3,106	3,106
Garfield WSC	163	171	179	188	198	209
Hornsby Bend Utility	984	1,222	1,434	1,643	1,880	2,150

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Hurst Creek MUD	1,154	1,152	1,152	1,152	1,152	1,152
Jonestown WSC	861	1,029	1,234	1,479	1,773	2,126
Kelly Lane WCID 1	467	465	465	465	465	465
Kelly Lane WCID 2	418	591	742	889	1,057	1,247
Lago Vista	4,061	5,999	8,437	10,768	11,312	11,856
Lakeside MUD 3*	455	637	794	948	1,123	1,321
Lakeside WCID 1	254	298	338	377	422	473
Lakeside WCID 2-B	443	507	564	621	686	759
Lakeside WCID 2-C	542	745	922	1,095	1,292	1,516
Lakeside WCID 2-D	659	901	1,112	1,318	1,551	1,818
Lakeway MUD	2,659	2,745	2,782	2,782	2,782	2,782
Leander*	4,420	5,585	5,529	5,226	5,013	4,860
Loop 360 WSC	904	889	878	874	868	861
Manor	2,613	3,538	4,346	5,136	6,034	7,055
Manville WSC*	3,932	4,875	5,708	6,531	7,466	8,527
Mid-Tex Utilities	208	286	354	421	497	583
North Austin MUD 1	96	95	95	95	95	95
Northtown MUD	665	699	728	761	797	838
Pflugerville	11,645	14,526	17,060	19,560	22,400	25,624
Rollingwood	401	405	410	417	426	434
Rough Hollow in Travis County	1,193	1,191	1,191	1,191	1,191	1,191
Round Rock*	311	380	440	499	567	643
Senna Hills MUD	300	306	314	321	328	336
Shady Hollow MUD	585	595	607	621	637	654
Sunset Valley	286	284	284	284	284	284
Sweetwater Community	639	840	840	840	840	840
Travis County MUD 10	101	137	168	199	233	272
Travis County MUD 14	245	291	332	373	419	472
Travis County MUD 18	230	229	229	229	229	229
Travis County MUD 2	545	686	810	933	1,073	1,231
Travis County MUD 4	2,027	2,390	2,707	3,023	3,382	3,788
Travis County WCID 10	3,475	3,705	3,911	4,131	4,378	4,657
Travis County WCID 17	11,813	14,529	16,906	19,258	21,928	24,958
Travis County WCID 18	906	902	902	902	902	902
Travis County WCID 19	302	306	311	315	320	324
Travis County WCID 20	755	754	754	754	754	754
Travis County WCID Point Venture	410	495	599	725	878	1,063

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Undine Development	138	137	137	137	137	137
Wells Branch MUD	1,464	1,511	1,511	1,511	1,511	1,511
West Travis County Public Utility Agency	9,351	11,901	14,121	16,305	18,786	21,605
Wilbarger Creek MUD 1	255	365	460	553	659	779
Williamson County WSID 3*	90	73	60	50	41	34
Williamson Travis Counties MUD 1*	182	182	182	182	182	182
Windermere Utility	2,776	2,812	2,812	2,812	2,812	2,812
County-Other	10,511	14,014	12,883	10,009	9,532	9,351
Manufacturing	19,363	22,470	25,599	28,752	29,429	30,131
Mining	551	622	676	722	772	830
Steam Electric Power	4,116	4,116	4,116	4,116	4,116	4,116
Livestock	392	392	392	392	392	392
Irrigation	4,061	4,061	4,061	4,061	4,061	4,061
Travis County / Guadalupe Basin Total	**105**	**130**	**146**	**160**	**179**	**202**
Creedmoor-Maha WSC*	50	58	65	71	79	88
Goforth SUD*	34	47	58	69	81	95
County-Other	13	17	15	12	11	11
Livestock	8	8	8	8	8	8
Wharton County Total	**224,085**	**218,338**	**212,708**	**207,216**	**201,860**	**196,633**
Wharton County / Brazos-Colorado Basin Total	**144,263**	**140,428**	**136,663**	**132,995**	**129,414**	**125,921**
Boling MWD	75	74	62	52	42	30
Wharton	1,016	1,007	970	935	894	849
Wharton County WCID 2	306	303	286	271	255	236
County-Other*	1,151	1,139	1,146	1,144	1,139	1,135
Manufacturing*	79	82	85	88	91	94
Steam Electric Power*	5	5	5	5	5	5
Livestock*	438	438	438	438	438	438
Irrigation*	141,193	137,380	133,671	130,062	126,550	123,134
Wharton County / Colorado Basin Total	**69,218**	**67,586**	**65,992**	**64,434**	**62,916**	**61,434**
El Campo*	26	25	21	17	13	8
Wharton	481	476	459	442	423	402
County-Other*	493	488	492	490	489	486
Mining	2	2	2	2	2	2
Steam Electric Power*	7,908	7,908	7,908	7,908	7,908	7,908
Livestock*	262	262	262	262	262	262

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DRAFT Region K Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation*	60,046	58,425	56,848	55,313	53,819	52,366
Wharton County / Colorado-Lavaca Basin Total	**10,591**	**10,311**	**10,040**	**9,774**	**9,517**	**9,265**
County-Other*	159	158	159	158	158	157
Livestock*	80	80	80	80	80	80
Irrigation*	10,352	10,073	9,801	9,536	9,279	9,028
Wharton County / Lavaca Basin Total	**13**	**13**	**13**	**13**	**13**	**13**
County-Other*	13	13	13	13	13	13
Williamson County Total	**18,741**	**24,313**	**31,038**	**38,407**	**46,664**	**55,851**
Williamson County / Brazos Basin Total	**18,741**	**24,313**	**31,038**	**38,407**	**46,664**	**55,851**
Austin	16,159	21,070	27,735	34,595	41,937	49,401
Brushy Creek MUD*	59	59	59	59	59	59
Fern Bluff MUD*	25	26	26	26	27	27
North Austin MUD 1	889	884	884	884	884	884
Wells Branch MUD	35	51	70	74	74	74
County-Other*	0	369	90	206	735	2,101
Manufacturing*	14	15	16	17	18	19
Mining*	1,544	1,823	2,142	2,530	2,914	3,270
Livestock*	16	16	16	16	16	16
Region K Demand Total	**1,138,936**	**1,197,623**	**1,255,990**	**1,317,067**	**1,378,821**	**1,447,471**

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DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Groundwater Source Availability Total				**413,320**	**418,291**	**423,289**	**428,674**	**434,403**	**434,337**
Carrizo-Wilcox Aquifer	Bastrop	Brazos	Fresh	9,433	9,600	9,789	10,009	10,273	10,273
Carrizo-Wilcox Aquifer	Bastrop	Colorado	Fresh	36,968	41,247	45,467	49,888	54,626	54,626
Carrizo-Wilcox Aquifer	Bastrop	Guadalupe	Fresh	262	322	404	519	680	680
Carrizo-Wilcox Aquifer	Fayette	Colorado	Fresh	4,875	4,875	4,875	4,875	4,875	4,875
Carrizo-Wilcox Aquifer	Fayette	Guadalupe	Fresh	280	280	280	280	280	280
Carrizo-Wilcox Aquifer	Fayette	Lavaca	Fresh	0	0	0	0	0	0
Colorado River Alluvium Aquifer	Travis	Colorado	Fresh	1,660	1,660	1,660	1,660	1,660	1,660
Cross Timbers Aquifer	Mills	Colorado	Fresh	20	20	20	20	20	20
Cross Timbers Aquifer	San Saba	Colorado	Fresh	19	19	19	19	19	19
Edwards-BFZ Aquifer	Hays	Colorado	Fresh	7,037	7,037	7,037	7,037	7,037	7,037
Edwards-BFZ Aquifer	Hays	Colorado	Saline	66	66	66	66	66	66
Edwards-BFZ Aquifer	Travis	Brazos	Fresh	275	275	275	275	275	275
Edwards-BFZ Aquifer	Travis	Colorado	Fresh	3,578	3,578	3,578	3,578	3,578	3,578
Edwards-BFZ Aquifer	Travis	Colorado	Fresh/ Brackish	4,962	4,962	4,962	4,962	4,962	4,962
Edwards-BFZ Aquifer	Travis	Colorado	Saline	5,199	5,199	5,199	5,199	5,199	5,199
Edwards-BFZ Aquifer	Travis	Guadalupe	Saline	290	290	290	290	290	290
Edwards-BFZ Aquifer	Williamson	Brazos	Fresh	6	6	6	6	6	6
Edwards-BFZ Aquifer	Williamson	Colorado	Fresh	4	4	4	4	4	4
Edwards-Trinity-Plateau Aquifer	Blanco	Colorado	Fresh	0	0	0	0	0	0
Edwards-Trinity-Plateau Aquifer	Blanco	Guadalupe	Fresh	0	0	0	0	0	0

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers	Gillespie	Colorado	Fresh	4,843	4,843	4,843	4,843	4,843	4,843
Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers	Gillespie	Guadalupe	Fresh	136	136	136	136	136	136
Ellenburger-San Saba Aquifer	Blanco	Colorado	Fresh	1,104	1,107	1,104	1,107	1,104	1,107
Ellenburger-San Saba Aquifer	Blanco	Guadalupe	Fresh	161	161	161	161	161	161
Ellenburger-San Saba Aquifer	Burnet	Brazos	Fresh	3,825	3,825	3,825	3,825	3,825	3,825
Ellenburger-San Saba Aquifer	Burnet	Colorado	Fresh	7,010	7,010	7,010	7,010	7,010	7,010
Ellenburger-San Saba Aquifer	Gillespie	Colorado	Fresh	6,294	6,294	6,294	6,294	6,294	6,294
Ellenburger-San Saba Aquifer	Gillespie	Guadalupe	Fresh	0	0	0	0	0	0
Ellenburger-San Saba Aquifer	Llano	Colorado	Fresh	395	395	395	395	395	395
Ellenburger-San Saba Aquifer	Mills	Brazos	Fresh	93	93	93	93	93	93
Ellenburger-San Saba Aquifer	Mills	Colorado	Fresh	406	406	406	406	406	406
Ellenburger-San Saba Aquifer	San Saba	Colorado	Fresh	7,890	7,890	7,890	7,890	7,890	7,890
Gulf Coast Aquifer System	Colorado	Brazos-Colorado	Fresh	15,401	15,401	15,401	15,401	15,401	15,401
Gulf Coast Aquifer System	Colorado	Colorado	Fresh	20,352	20,352	20,352	20,352	20,352	20,352
Gulf Coast Aquifer System	Colorado	Lavaca	Fresh	36,830	36,830	36,830	36,830	36,830	36,830
Gulf Coast Aquifer System	Fayette	Brazos	Fresh	19	21	22	24	26	26
Gulf Coast Aquifer System	Fayette	Colorado	Fresh	4,894	5,041	5,196	5,370	5,406	5,392
Gulf Coast Aquifer System	Fayette	Guadalupe	Fresh	0	0	0	0	0	0
Gulf Coast Aquifer System	Fayette	Lavaca	Fresh	2,481	2,621	2,793	2,993	3,228	3,172

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.
** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Gulf Coast Aquifer System	Matagorda	Brazos-Colorado	Fresh	15,321	15,321	15,321	15,321	15,321	15,321
Gulf Coast Aquifer System	Matagorda	Colorado	Fresh/ Brackish	3,219	3,219	3,219	3,219	3,219	3,219
Gulf Coast Aquifer System	Matagorda	Colorado-Lavaca	Fresh	20,352	20,352	20,352	20,352	20,352	20,352
Gulf Coast Aquifer System	Wharton	Brazos-Colorado	Fresh	50,560	50,560	50,560	50,560	50,560	50,560
Gulf Coast Aquifer System	Wharton	Colorado	Fresh	35,934	35,934	35,934	35,934	35,934	35,934
Gulf Coast Aquifer System	Wharton	Colorado-Lavaca	Fresh	16,207	16,207	16,207	16,207	16,207	16,207
Gulf Coast Aquifer System	Wharton	Lavaca	Fresh	579	579	579	579	579	579
Hickory Aquifer	Blanco	Colorado	Fresh	283	284	283	284	283	284
Hickory Aquifer	Blanco	Guadalupe	Fresh	43	43	43	43	43	43
Hickory Aquifer	Burnet	Brazos	Fresh	1,237	1,237	1,237	1,237	1,237	1,237
Hickory Aquifer	Burnet	Colorado	Fresh	2,178	2,178	2,178	2,178	2,178	2,178
Hickory Aquifer	Gillespie	Colorado	Fresh	1,751	1,751	1,751	1,751	1,751	1,751
Hickory Aquifer	Gillespie	Guadalupe	Fresh	0	0	0	0	0	0
Hickory Aquifer	Hays	Colorado	Fresh	0	0	0	0	0	0
Hickory Aquifer	Llano	Colorado	Fresh	1,609	1,609	1,609	1,609	1,609	1,609
Hickory Aquifer	Mills	Brazos	Fresh	7	7	7	7	7	7
Hickory Aquifer	Mills	Colorado	Fresh	29	29	29	29	29	29
Hickory Aquifer	San Saba	Colorado	Fresh	7,680	7,680	7,680	7,680	7,680	7,680
Hickory Aquifer	Travis	Colorado	Fresh	0	0	0	0	0	0
Marble Falls Aquifer	Blanco	Colorado	Fresh	21	21	21	21	21	21
Marble Falls Aquifer	Burnet	Brazos	Fresh	1,384	1,384	1,384	1,384	1,384	1,384

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Marble Falls Aquifer	Burnet	Colorado	Fresh	1,354	1,354	1,354	1,354	1,354	1,354
Marble Falls Aquifer	Llano	Colorado	Fresh	1	1	1	1	1	1
Marble Falls Aquifer	Mills	Brazos	Fresh	1	1	1	1	1	1
Marble Falls Aquifer	Mills	Colorado	Fresh	24	24	24	24	24	24
Marble Falls Aquifer	San Saba	Colorado	Fresh	4,343	4,355	4,343	4,355	4,343	4,343
Other Aquifer	Bastrop	Colorado	Fresh	5,340	5,340	5,340	5,340	5,340	5,340
Other Aquifer	Burnet	Brazos	Fresh	433	433	433	433	433	433
Other Aquifer	Burnet	Colorado	Fresh	3,672	3,672	3,672	3,672	3,672	3,672
Other Aquifer	Fayette	Colorado	Fresh	834	834	834	834	834	834
Other Aquifer	Llano	Colorado	Fresh	646	646	646	646	646	646
Other Aquifer	Travis	Colorado	Fresh	3,770	3,770	3,770	3,770	3,770	3,770
Other Aquifer	Travis	Guadalupe	Fresh	112	112	112	112	112	112
Queen City Aquifer	Bastrop	Brazos	Fresh	45	49	54	60	66	66
Queen City Aquifer	Bastrop	Colorado	Fresh	410	453	500	552	610	610
Queen City Aquifer	Bastrop	Guadalupe	Fresh	64	71	78	86	95	95
Queen City Aquifer	Fayette	Colorado	Fresh	1,879	1,891	1,905	1,919	1,935	1,935
Queen City Aquifer	Fayette	Guadalupe	Fresh	836	846	856	867	878	878
Queen City Aquifer	Fayette	Lavaca	Fresh	0	0	0	0	0	0
Sparta Aquifer	Bastrop	Brazos	Fresh	60	71	86	103	125	125
Sparta Aquifer	Bastrop	Colorado	Fresh	370	450	547	672	830	830
Sparta Aquifer	Bastrop	Guadalupe	Fresh	7	8	11	13	17	17
Sparta Aquifer	Fayette	Colorado	Fresh	1,618	1,617	1,617	1,640	1,657	1,657

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Sparta Aquifer	Fayette	Guadalupe	Fresh	1,161	1,166	1,179	1,188	1,196	1,196
Sparta Aquifer	Fayette	Lavaca	Fresh	0	0	0	0	0	0
Trinity Aquifer	Bastrop	Colorado	Fresh	0	0	0	0	0	0
Trinity Aquifer	Blanco	Colorado	Fresh	1,322	1,322	1,322	1,322	1,322	1,322
Trinity Aquifer	Blanco	Guadalupe	Fresh	1,251	1,251	1,251	1,251	1,251	1,251
Trinity Aquifer	Burnet	Brazos	Fresh	3,363	3,363	3,363	3,363	3,363	3,363
Trinity Aquifer	Burnet	Colorado	Fresh	527	527	527	527	527	527
Trinity Aquifer	Hays	Colorado	Fresh	5,887	5,887	5,887	5,887	5,887	5,887
Trinity Aquifer	Mills	Brazos	Fresh	806	806	806	806	806	806
Trinity Aquifer	Mills	Colorado	Fresh	1,653	1,653	1,653	1,653	1,653	1,653
Trinity Aquifer	Travis	Brazos	Fresh	1	1	1	1	1	1
Trinity Aquifer	Travis	Colorado	Fresh	7,519	7,519	7,519	7,519	7,519	7,519
Trinity Aquifer	Travis	Colorado	Fresh/ Brackish	8,542	8,530	8,515	8,485	8,485	8,485
Trinity Aquifer	Travis	Guadalupe	Fresh	8	8	8	8	8	8
Trinity Aquifer	Williamson	Brazos	Fresh	0	0	0	0	0	0
Trinity Aquifer	Williamson	Colorado	Fresh	15	15	15	15	15	15
Yegua-Jackson Aquifer	Bastrop	Colorado	Fresh	0	0	0	0	0	0
Yegua-Jackson Aquifer	Fayette	Colorado	Fresh	7,644	7,644	7,643	7,643	7,643	7,643
Yegua-Jackson Aquifer	Fayette	Guadalupe	Fresh	727	727	727	727	727	727
Yegua-Jackson Aquifer	Fayette	Lavaca	Fresh	1,613	1,613	1,613	1,613	1,613	1,613
Reuse Source Availability Total				**12,667**	**13,687**	**13,687**	**13,687**	**14,247**	**14,247**

* Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.
** Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Direct Reuse	Burnet	Colorado	Fresh	2,200	2,200	2,200	2,200	2,200	2,200
Direct Reuse	Hays	Colorado	Fresh	100	1,120	1,120	1,120	1,680	1,680
Direct Reuse	Llano	Colorado	Fresh	589	589	589	589	589	589
Direct Reuse	Travis	Colorado	Fresh	9,778	9,778	9,778	9,778	9,778	9,778
Surface Water Source Availability Total				**826,596**	**824,916**	**823,235**	**821,389**	**819,543**	**817,696**
Arbuckle Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Austin Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Bastrop Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Blanco Lake/Reservoir	Reservoir**	Guadalupe	Fresh	0	0	0	0	0	0
Brazos Livestock Local Supply	Bastrop	Brazos	Fresh	94	94	94	94	94	94
Brazos Livestock Local Supply	Burnet	Brazos	Fresh	630	630	630	630	630	630
Brazos Livestock Local Supply	Mills	Brazos	Fresh	321	321	321	321	321	321
Brazos Livestock Local Supply	Williamson	Brazos	Fresh	1	1	1	1	1	1
Brazos Other Local Supply	Burnet	Brazos	Fresh/ Brackish	966	966	966	966	966	966
Brazos-Colorado Livestock Local Supply	Colorado	Brazos-Colorado	Fresh	203	203	203	203	203	203
Brazos-Colorado Livestock Local Supply	Matagorda	Brazos-Colorado	Fresh	664	664	664	664	664	664
Brazos-Colorado Livestock Local Supply	Wharton	Brazos-Colorado	Fresh	371	371	371	371	371	371
Brazos-Colorado Run-of-River	Matagorda	Brazos-Colorado	Fresh	0	0	0	0	0	0
Brazos-Colorado Run-of-River	Wharton	Brazos-Colorado	Fresh	0	0	0	0	0	0
Cedar Creek Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0

* Salinity field indicates whether the source availability is considered 'fresh' (less than 1,000 mg/L), 'brackish' (1,000 to 10,000 mg/L), 'saline' (10,001 mg/L to 34,999 mg/L), or 'seawater' (35,000 mg/L or greater). Sources can also be labeled as 'fresh/brackish' or 'brackish/saline', if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Colorado Livestock Local Supply	Bastrop	Colorado	Fresh	696	696	696	696	696	696
Colorado Livestock Local Supply	Blanco	Colorado	Fresh	101	101	101	101	101	101
Colorado Livestock Local Supply	Burnet	Colorado	Fresh	582	582	582	582	582	582
Colorado Livestock Local Supply	Colorado	Colorado	Fresh	860	860	860	860	860	860
Colorado Livestock Local Supply	Fayette	Colorado	Fresh	1,370	1,370	1,370	1,370	1,370	1,370
Colorado Livestock Local Supply	Gillespie	Colorado	Fresh	515	515	515	515	515	515
Colorado Livestock Local Supply	Hays	Colorado	Fresh	220	220	220	220	220	220
Colorado Livestock Local Supply	Llano	Colorado	Fresh	414	414	414	414	414	414
Colorado Livestock Local Supply	Mills	Colorado	Fresh	360	360	360	360	360	360
Colorado Livestock Local Supply	San Saba	Colorado	Fresh	900	900	900	900	900	900
Colorado Livestock Local Supply	Travis	Colorado	Fresh	463	463	463	463	463	463
Colorado Livestock Local Supply	Wharton	Colorado	Fresh	115	115	115	115	115	115
Colorado Other Local Supply	Bastrop	Colorado	Fresh	58	58	58	58	58	58
Colorado Other Local Supply	Gillespie	Colorado	Fresh	158	158	158	158	158	158
Colorado Other Local Supply	Travis	Colorado	Fresh	6,336	6,336	6,336	6,336	6,336	6,336
Colorado Run-of-River	Bastrop	Colorado	Fresh	23	23	23	23	23	23
Colorado Run-of-River	Blanco	Colorado	Fresh	0	0	0	0	0	0
Colorado Run-of-River	Burnet	Colorado	Fresh	214	214	214	214	214	214
Colorado Run-of-River	Colorado	Colorado	Fresh	129,699	129,699	129,699	129,699	129,699	129,699
Colorado Run-of-River	Fayette	Colorado	Fresh	8	8	8	8	8	8
Colorado Run-of-River	Gillespie	Colorado	Fresh	30	30	30	30	30	30

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Colorado Run-of-River	Hays	Colorado	Fresh	0	0	0	0	0	0
Colorado Run-of-River	Llano	Colorado	Fresh	135	135	135	135	135	135
Colorado Run-of-River	Matagorda	Colorado	Fresh	70,915	70,915	70,915	70,915	70,915	70,915
Colorado Run-of-River	Mills	Colorado	Fresh	191	191	191	191	191	191
Colorado Run-of-River	San Saba	Colorado	Fresh	429	429	429	429	429	429
Colorado Run-of-River	Travis	Colorado	Fresh	187,109	187,221	187,332	187,332	187,332	187,332
Colorado Run-of-River	Wharton	Colorado	Fresh	1,149	1,149	1,149	1,149	1,149	1,149
Colorado-Lavaca Livestock Local Supply	Matagorda	Colorado-Lavaca	Fresh	708	708	708	708	708	708
Colorado-Lavaca Livestock Local Supply	Wharton	Colorado-Lavaca	Fresh	80	80	80	80	80	80
Colorado-Lavaca Run-of-River	Matagorda	Colorado-Lavaca	Fresh	6,949	6,949	6,949	6,949	6,949	6,949
Eagle Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Goldthwaite Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Guadalupe Livestock Local Supply	Bastrop	Guadalupe	Fresh	72	72	72	72	72	72
Guadalupe Livestock Local Supply	Blanco	Guadalupe	Fresh	129	129	129	129	129	129
Guadalupe Livestock Local Supply	Fayette	Guadalupe	Fresh	142	142	142	142	142	142
Guadalupe Livestock Local Supply	Gillespie	Guadalupe	Fresh	32	32	32	32	32	32
Guadalupe Livestock Local Supply	Travis	Guadalupe	Fresh	24	24	24	24	24	24
Guadalupe Run-of-River	Blanco	Guadalupe	Fresh	650	650	650	650	650	650
Highland Lakes Lake/Reservoir System	Reservoir**	Colorado	Fresh	374,769	372,977	371,185	369,339	367,493	365,646
Lady Bird Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Lake Long Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Lavaca Livestock Local Supply	Colorado	Lavaca	Fresh	465	465	465	465	465	465
Lavaca Livestock Local Supply	Fayette	Lavaca	Fresh	386	386	386	386	386	386
Lavaca Run-of-River	Colorado	Lavaca	Fresh	268	268	268	268	268	268
Lavaca Run-of-River	Fayette	Lavaca	Fresh	2	2	2	2	2	2
Llano Lake/Reservoir	Reservoir**	Colorado	Fresh	0	0	0	0	0	0
Llano Run-of-River	Llano	Colorado	Fresh	120	120	120	120	120	120
STPNOC Lake/Reservoir	Reservoir**	Colorado	Fresh/ Brackish	35,500	35,500	35,500	35,500	35,500	35,500
Region K Source Availability Total				**1,252,583**	**1,256,894**	**1,260,211**	**1,263,750**	**1,268,193**	**1,266,280**

* Salinity field indicates whether the source availability is considered ‘fresh’ (less than 1,000 mg/L), ‘brackish’ (1,000 to 10,000 mg/L), ‘saline’ (10,001 mg/L to 34,999 mg/L), or ‘seawater’ (35,000 mg/L or greater). Sources can also be labeled as ‘fresh/brackish’ or ‘brackish/saline’, if a combination of the salinity types is appropriate.

** Since reservoir sources can exist across multiple counties, the county field value, ‘reservoir’ is applied to all reservoir sources.

DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Bastrop County WUG Total			**34,694**	**34,441**	**34,339**	**34,315**	**34,363**	**34,432**
Bastrop County / Brazos Basin WUG Total			**695**	**717**	**759**	**817**	**891**	**979**
Aqua WSC*	K	Carrizo-Wilcox Aquifer | Bastrop County	76	75	74	72	71	69
Lee County WSC*	G	Carrizo-Wilcox Aquifer | Lee County	168	190	228	282	351	432
Lee County WSC*	G	Queen City Aquifer | Lee County	6	6	8	10	12	15
Lee County WSC*	G	Sparta Aquifer | Lee County	12	13	16	20	24	30
County-Other	K	Carrizo-Wilcox Aquifer | Bastrop County	47	47	47	47	47	47
Livestock	K	Local Surface Water Supply	97	97	97	97	97	97
Irrigation	K	Carrizo-Wilcox Aquifer | Bastrop County	244	244	244	244	244	244
Irrigation	K	Queen City Aquifer | Bastrop County	45	45	45	45	45	45
Bastrop County / Colorado Basin WUG Total			**33,451**	**33,173**	**33,022**	**32,932**	**32,899**	**32,873**
Aqua WSC*	K	Carrizo-Wilcox Aquifer | Bastrop County	8,973	8,857	8,732	8,597	8,443	8,269
Bastrop	K	Other Aquifer | Bastrop County	2,758	2,758	2,758	2,758	2,758	2,758
Bastrop County WCID 2	K	Carrizo-Wilcox Aquifer | Bastrop County	1	1	1	1	1	1
Bastrop County WCID 2	K	Other Aquifer | Bastrop County	472	472	472	472	472	472
Creedmoor-Maha WSC*	K	Carrizo-Wilcox Aquifer | Bastrop County	41	36	35	36	38	39
Creedmoor-Maha WSC*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Elgin	K	Carrizo-Wilcox Aquifer | Bastrop County	1,799	1,600	1,510	1,460	1,460	1,460
Fayette WSC*	K	Carrizo-Wilcox Aquifer | Fayette County	3	4	5	5	7	9
Fayette WSC*	K	Queen City Aquifer | Fayette County	1	1	1	1	1	2
Fayette WSC*	K	Yegua-Jackson Aquifer | Fayette County	2	3	3	5	5	7

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

DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Lee County WSC*	G	Carrizo-Wilcox Aquifer | Lee County	226	260	311	385	477	587
Lee County WSC*	G	Queen City Aquifer | Lee County	8	9	11	13	16	20
Lee County WSC*	G	Sparta Aquifer | Lee County	16	18	22	27	33	41
Polonia WSC*	L	Carrizo-Wilcox Aquifer | Caldwell County	81	84	91	102	118	138
Smithville	K	Carrizo-Wilcox Aquifer | Bastrop County	546	546	546	546	546	546
The Colony MUD 1A	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
The Colony MUD 1A	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
County-Other	K	Carrizo-Wilcox Aquifer | Bastrop County	758	758	758	758	758	758
County-Other	K	Highland Lakes Lake/Reservoir System	744	744	744	744	744	744
Manufacturing	K	Carrizo-Wilcox Aquifer | Bastrop County	500	500	500	500	500	500
Mining	K	Carrizo-Wilcox Aquifer | Bastrop County	500	500	500	500	500	500
Steam Electric Power	K	Carrizo-Wilcox Aquifer | Bastrop County	2,609	3,522	4,022	5,156	4,836	4,727
Steam Electric Power	K	Highland Lakes Lake/Reservoir System	7,679	6,766	6,266	5,132	5,452	5,561
Livestock	K	Local Surface Water Supply	714	714	714	714	714	714
Livestock	K	Queen City Aquifer | Bastrop County	129	129	129	129	129	129
Livestock	K	Sparta Aquifer | Bastrop County	298	298	298	298	298	298
Irrigation	K	Carrizo-Wilcox Aquifer | Bastrop County	3,458	3,458	3,458	3,458	3,458	3,458
Irrigation	K	Highland Lakes Lake/Reservoir System	782	782	782	782	782	782
Irrigation	K	Queen City Aquifer | Bastrop County	281	281	281	281	281	281
Irrigation	K	Sparta Aquifer | Bastrop County	72	72	72	72	72	72

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Bastrop County / Guadalupe Basin WUG Total			**548**	**551**	**558**	**566**	**573**	**580**
Aqua WSC*	L	Carrizo-Wilcox Aquifer | Caldwell County	86	89	96	104	111	118
County-Other	K	Carrizo-Wilcox Aquifer | Bastrop County	4	4	4	4	4	4
Livestock	K	Local Surface Water Supply	51	51	51	51	51	51
Irrigation	K	Carrizo-Wilcox Aquifer | Bastrop County	336	336	336	336	336	336
Irrigation	K	Queen City Aquifer | Bastrop County	64	64	64	64	64	64
Irrigation	K	Sparta Aquifer | Bastrop County	7	7	7	7	7	7
Blanco County WUG Total			**4,672**	**4,681**	**4,683**	**4,685**	**4,688**	**4,690**
Blanco County / Colorado Basin WUG Total			**2,679**	**2,679**	**2,679**	**2,679**	**2,679**	**2,679**
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Johnson City	K	Ellenburger-San Saba Aquifer | Blanco County	23	23	23	23	23	23
Johnson City	K	Trinity Aquifer | Blanco County	282	282	282	282	282	282
County-Other	K	Ellenburger-San Saba Aquifer | Blanco County	161	161	161	161	161	161
County-Other	K	Hickory Aquifer | Blanco County	120	120	120	120	120	120
County-Other	K	Trinity Aquifer | Blanco County	209	209	209	209	209	209
Manufacturing	K	Trinity Aquifer | Blanco County	16	16	16	16	16	16
Mining	K	Ellenburger-San Saba Aquifer | Blanco County	10	10	10	10	10	10
Livestock	K	Ellenburger-San Saba Aquifer | Blanco County	255	255	255	255	255	255
Livestock	K	Local Surface Water Supply	101	101	101	101	101	101
Livestock	K	Trinity Aquifer | Blanco County	161	161	161	161	161	161

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation	K	Ellenburger-San Saba Aquifer | Blanco County	730	730	730	730	730	730
Irrigation	K	Hickory Aquifer | Blanco County	163	163	163	163	163	163
Irrigation	K	Trinity Aquifer | Blanco County	448	448	448	448	448	448
Blanco County / Guadalupe Basin WUG Total			**1,993**	**2,002**	**2,004**	**2,006**	**2,009**	**2,011**
Blanco	L	Canyon Lake/Reservoir	545	545	545	545	545	545
Canyon Lake Water Service*	L	Canyon Lake/Reservoir	118	119	118	118	118	119
Canyon Lake Water Service*	K	Trinity Aquifer | Blanco County	2	2	2	2	3	3
Canyon Lake Water Service*	L	Trinity Aquifer | Comal County	105	113	116	118	120	121
Rancho Del Lago	K	Ellenburger-San Saba Aquifer | Blanco County	129	129	129	129	129	129
County-Other	K	Trinity Aquifer | Blanco County	367	367	367	367	367	367
Manufacturing	K	Ellenburger-San Saba Aquifer | Blanco County	5	5	5	5	5	5
Livestock	K	Local Surface Water Supply	101	101	101	101	101	101
Livestock	K	Trinity Aquifer | Blanco County	48	48	48	48	48	48
Irrigation	K	Guadalupe Run-of-River	104	104	104	104	104	104
Irrigation	K	Trinity Aquifer | Blanco County	469	469	469	469	469	469
Burnet County WUG Total			**19,979**	**20,012**	**20,042**	**20,068**	**20,092**	**20,114**
Burnet County / Brazos Basin WUG Total			**3,034**	**3,064**	**3,090**	**3,117**	**3,142**	**3,164**
Bertram	K	Ellenburger-San Saba Aquifer | Burnet County	518	518	518	518	518	518
Bertram	K	Trinity Aquifer | Burnet County	3	3	3	3	3	3
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0

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

DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Georgetown*	G	Brazos River Authority Little River Lake/Reservoir System	84	100	114	128	140	150
Kempner WSC*	G	Brazos River Authority Little River Lake/Reservoir System	132	146	158	171	184	196
County-Other	K	Ellenburger-San Saba Aquifer | Burnet County	106	106	106	106	106	106
County-Other	K	Trinity Aquifer | Burnet County	520	520	520	520	520	520
Mining	K	Ellenburger-San Saba Aquifer | Burnet County	300	300	300	300	300	300
Mining	K	Local Surface Water Supply	143	143	143	143	143	143
Livestock	K	Ellenburger-San Saba Aquifer | Burnet County	85	85	85	85	85	85
Livestock	K	Local Surface Water Supply	308	308	308	308	308	308
Livestock	K	Other Aquifer | Burnet County	0	0	0	0	0	0
Livestock	K	Trinity Aquifer | Burnet County	176	176	176	176	176	176
Irrigation	K	Ellenburger-San Saba Aquifer | Burnet County	229	229	229	229	229	229
Irrigation	K	Trinity Aquifer | Burnet County	430	430	430	430	430	430
Burnet County / Colorado Basin WUG Total			**16,945**	**16,948**	**16,952**	**16,951**	**16,950**	**16,950**
Bertram		No water supply associated with WUG	0	0	0	0	0	0
Burnet	K	Direct Reuse	520	520	520	520	520	520
Burnet	K	Ellenburger-San Saba Aquifer | Burnet County	921	921	921	921	921	921
Burnet	K	Highland Lakes Lake/Reservoir System	503	503	503	503	503	503
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Ellenburger-San Saba Aquifer | Burnet County	9	9	9	9	9	9

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Corix Utilities Texas Inc*	K	Highland Lakes Lake/Reservoir System	185	185	185	185	185	185
Corix Utilities Texas Inc*	K	Other Aquifer | Burnet County	104	104	104	104	104	104
Cottonwood Shores	K	Highland Lakes Lake/Reservoir System	495	495	495	495	495	495
Granite Shoals	K	Highland Lakes Lake/Reservoir System	830	830	830	830	830	830
Horseshoe Bay	K	Direct Reuse	94	97	101	100	99	99
Horseshoe Bay	K	Highland Lakes Lake/Reservoir System	398	398	398	398	398	398
Kingsland WSC	K	Highland Lakes Lake/Reservoir System	64	64	64	64	64	64
Kingsland WSC	K	Other Aquifer | Burnet County	55	55	55	55	55	55
Kingsland WSC	K	Other Aquifer | Llano County	0	0	0	0	0	0
Marble Falls	K	Direct Reuse	1,680	1,680	1,680	1,680	1,680	1,680
Marble Falls	K	Ellenburger-San Saba Aquifer | Burnet County	330	330	330	330	330	330
Marble Falls	K	Highland Lakes Lake/Reservoir System	3,000	3,000	3,000	3,000	3,000	3,000
Meadowlakes	K	Colorado Run-of-River	152	152	152	152	152	152
County-Other	K	Ellenburger-San Saba Aquifer | Burnet County	300	300	300	300	300	300
County-Other	K	Hickory Aquifer | Burnet County	184	184	184	184	184	184
County-Other	K	Highland Lakes Lake/Reservoir System	2,249	2,249	2,249	2,249	2,249	2,249
County-Other	K	Marble Falls Aquifer | Burnet County	134	134	134	134	134	134
County-Other	K	Other Aquifer | Burnet County	501	501	501	501	501	501
County-Other	K	Trinity Aquifer | Burnet County	355	355	355	355	355	355
Manufacturing	K	Highland Lakes Lake/Reservoir System	500	500	500	500	500	500
Manufacturing	K	Trinity Aquifer | Burnet County	12	12	12	12	12	12
Mining	K	Ellenburger-San Saba Aquifer | Burnet County	775	775	775	775	775	775

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Mining	K	Other Aquifer | Burnet County	110	110	110	110	110	110
Livestock	K	Ellenburger-San Saba Aquifer | Burnet County	93	93	93	93	93	93
Livestock	K	Hickory Aquifer | Burnet County	3	3	3	3	3	3
Livestock	K	Local Surface Water Supply	200	200	200	200	200	200
Livestock	K	Marble Falls Aquifer | Burnet County	6	6	6	6	6	6
Livestock	K	Other Aquifer | Burnet County	0	0	0	0	0	0
Livestock	K	Trinity Aquifer | Burnet County	10	10	10	10	10	10
Irrigation	K	Colorado Run-of-River	62	62	62	62	62	62
Irrigation	K	Ellenburger-San Saba Aquifer | Burnet County	675	675	675	675	675	675
Irrigation	K	Hickory Aquifer | Burnet County	52	52	52	52	52	52
Irrigation	K	Highland Lakes Lake/Reservoir System	577	577	577	577	577	577
Irrigation	K	Marble Falls Aquifer | Burnet County	17	17	17	17	17	17
Irrigation	K	Other Aquifer | Burnet County	725	725	725	725	725	725
Irrigation	K	Trinity Aquifer | Burnet County	65	65	65	65	65	65
Colorado County WUG Total			**141,078**	**141,078**	**141,078**	**141,078**	**141,078**	**141,078**
Colorado County / Brazos-Colorado Basin WUG Total			**35,409**	**35,409**	**35,409**	**35,409**	**35,409**	**35,409**
Eagle Lake	K	Gulf Coast Aquifer System | Colorado County	176	176	176	176	176	176
County-Other	K	Gulf Coast Aquifer System | Colorado County	210	210	210	210	210	210
Manufacturing	K	Gulf Coast Aquifer System | Colorado County	15	15	15	15	15	15
Livestock	K	Gulf Coast Aquifer System | Colorado County	164	164	164	164	164	164
Livestock	K	Local Surface Water Supply	39	39	39	39	39	39
Irrigation	K	Colorado Run-of-River	20,065	20,065	20,065	20,065	20,065	20,065

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation	K	Gulf Coast Aquifer System | Colorado County	14,740	14,740	14,740	14,740	14,740	14,740
Colorado County / Colorado Basin WUG Total			**32,200**	**32,200**	**32,200**	**32,200**	**32,200**	**32,200**
Columbus	K	Gulf Coast Aquifer System | Colorado County	1,481	1,481	1,481	1,481	1,481	1,481
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Gulf Coast Aquifer System | Colorado County	36	36	36	36	36	36
Eagle Lake	K	Gulf Coast Aquifer System | Colorado County	400	400	400	400	400	400
Weimar	K	Gulf Coast Aquifer System | Colorado County	187	187	187	187	187	187
County-Other	K	Gulf Coast Aquifer System | Colorado County	877	877	877	877	877	877
Manufacturing	K	Gulf Coast Aquifer System | Colorado County	59	59	59	59	59	59
Mining	K	Colorado Run-of-River	0	0	0	0	0	0
Mining	K	Gulf Coast Aquifer System | Colorado County	3,398	3,398	3,398	3,398	3,398	3,398
Steam Electric Power	K	Gulf Coast Aquifer System | Colorado County	226	226	226	226	226	226
Livestock	K	Gulf Coast Aquifer System | Colorado County	265	265	265	265	265	265
Livestock	K	Local Surface Water Supply	860	860	860	860	860	860
Irrigation	K	Colorado Run-of-River	10,859	10,859	10,859	10,859	10,859	10,859
Irrigation	K	Gulf Coast Aquifer System | Colorado County	13,552	13,552	13,552	13,552	13,552	13,552
Colorado County / Lavaca Basin WUG Total			**73,469**	**73,469**	**73,469**	**73,469**	**73,469**	**73,469**
Weimar	K	Gulf Coast Aquifer System | Colorado County	382	382	382	382	382	382
County-Other	K	Gulf Coast Aquifer System | Colorado County	502	502	502	502	502	502
Manufacturing	K	Gulf Coast Aquifer System | Colorado County	1,058	1,058	1,058	1,058	1,058	1,058

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Livestock	K	Gulf Coast Aquifer System | Colorado County	174	174	174	174	174	174
Livestock	K	Local Surface Water Supply	199	199	199	199	199	199
Irrigation	K	Colorado Run-of-River	35,964	35,964	35,964	35,964	35,964	35,964
Irrigation	K	Gulf Coast Aquifer System | Colorado County	35,190	35,190	35,190	35,190	35,190	35,190
Irrigation	K	Lavaca Run-of-River	0	0	0	0	0	0
Fayette County WUG Total			**29,806**	**29,800**	**29,789**	**29,780**	**29,763**	**29,732**
Fayette County / Colorado Basin WUG Total			**26,528**	**26,522**	**26,511**	**26,503**	**26,486**	**26,456**
Fayette County WCID Monument Hill	K	Gulf Coast Aquifer System | Fayette County	235	235	235	235	235	235
Fayette WSC*	K	Carrizo-Wilcox Aquifer | Fayette County	266	264	263	262	260	258
Fayette WSC*	K	Other Aquifer | Fayette County	117	117	117	117	117	117
Fayette WSC*	K	Queen City Aquifer | Fayette County	62	62	61	61	61	60
Fayette WSC*	K	Sparta Aquifer | Fayette County	74	74	74	74	74	74
Fayette WSC*	K	Yegua-Jackson Aquifer | Fayette County	208	207	206	205	204	202
La Grange	K	Yegua-Jackson Aquifer | Fayette County	791	791	791	791	791	791
Lee County WSC*	G	Carrizo-Wilcox Aquifer | Lee County	565	564	558	554	541	519
Lee County WSC*	G	Queen City Aquifer | Lee County	19	19	19	19	19	18
Lee County WSC*	G	Sparta Aquifer | Lee County	39	39	39	38	37	36
West End WSC*	H	Gulf Coast Aquifer System | Austin County	79	77	75	74	74	73
County-Other	K	Gulf Coast Aquifer System | Fayette County	196	196	196	196	196	196
County-Other	K	Highland Lakes Lake/Reservoir System	27	27	27	27	27	27
County-Other	K	Other Aquifer | Fayette County	223	223	223	223	223	223

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other	K	Sparta Aquifer | Fayette County	29	29	29	29	29	29
Manufacturing	K	Gulf Coast Aquifer System | Fayette County	3	3	3	3	3	3
Mining	K	Yegua-Jackson Aquifer | Fayette County	587	587	587	587	587	587
Steam Electric Power	K	Colorado Run-of-River	0	0	0	0	0	0
Steam Electric Power	K	Highland Lakes Lake/Reservoir System	21,000	21,000	21,000	21,000	21,000	21,000
Livestock	K	Gulf Coast Aquifer System | Fayette County	185	185	185	185	185	185
Livestock	K	Local Surface Water Supply	1,370	1,370	1,370	1,370	1,370	1,370
Irrigation	K	Gulf Coast Aquifer System | Fayette County	371	371	371	371	371	371
Irrigation	K	Sparta Aquifer | Fayette County	82	82	82	82	82	82
Fayette County / Guadalupe Basin WUG Total			**358**	**358**	**358**	**358**	**358**	**358**
Fayette WSC*	K	Carrizo-Wilcox Aquifer | Fayette County	18	18	18	18	18	18
Fayette WSC*	K	Queen City Aquifer | Fayette County	4	4	4	4	4	4
Fayette WSC*	K	Yegua-Jackson Aquifer | Fayette County	14	14	14	14	14	14
Flatonia	K	Yegua-Jackson Aquifer | Fayette County	89	89	89	89	89	89
County-Other	K	Yegua-Jackson Aquifer | Fayette County	15	15	15	15	15	15
Livestock	K	Local Surface Water Supply	142	142	142	142	142	142
Irrigation	K	Gulf Coast Aquifer System | Fayette County	62	62	62	62	62	62
Irrigation	K	Sparta Aquifer | Fayette County	14	14	14	14	14	14
Fayette County / Lavaca Basin WUG Total			**2,920**	**2,920**	**2,920**	**2,919**	**2,919**	**2,918**
Fayette WSC*	K	Carrizo-Wilcox Aquifer | Fayette County	29	29	29	29	29	28
Fayette WSC*	K	Queen City Aquifer | Fayette County	7	7	7	7	7	7

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Fayette WSC*	K	Yegua-Jackson Aquifer | Fayette County	23	23	23	22	22	22
Flatonia	K	Yegua-Jackson Aquifer | Fayette County	386	386	386	386	386	386
Schulenburg	K	Gulf Coast Aquifer System | Fayette County	218	218	218	218	218	218
Schulenburg	K	Yegua-Jackson Aquifer | Fayette County	622	622	622	622	622	622
County-Other	K	Gulf Coast Aquifer System | Fayette County	263	263	263	263	263	263
Manufacturing	K	Gulf Coast Aquifer System | Fayette County	475	475	475	475	475	475
Mining	K	Gulf Coast Aquifer System | Fayette County	347	347	347	347	347	347
Livestock	K	Gulf Coast Aquifer System | Fayette County	7	7	7	7	7	7
Livestock	K	Local Surface Water Supply	278	278	278	278	278	278
Irrigation	K	Gulf Coast Aquifer System | Fayette County	96	96	96	96	96	96
Irrigation	K	Yegua-Jackson Aquifer | Fayette County	169	169	169	169	169	169
Gillespie County WUG Total			**9,967**	**9,967**	**9,967**	**9,967**	**9,967**	**9,967**
Gillespie County / Colorado Basin WUG Total			**9,871**	**9,871**	**9,871**	**9,871**	**9,871**	**9,871**
Fredericksburg	K	Ellenburger-San Saba Aquifer | Gillespie County	3,371	3,371	3,371	3,371	3,371	3,371
Fredericksburg	K	Hickory Aquifer | Gillespie County	168	168	168	168	168	168
County-Other	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	1,534	1,534	1,534	1,534	1,534	1,534
County-Other	K	Ellenburger-San Saba Aquifer | Gillespie County	482	482	482	482	482	482
County-Other	K	Hickory Aquifer | Gillespie County	163	163	163	163	163	163
County-Other	K	Highland Lakes Lake/Reservoir System	56	56	56	56	56	56
Manufacturing	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	34	34	34	34	34	34

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Manufacturing	K	Ellenburger-San Saba Aquifer | Gillespie County	398	398	398	398	398	398
Manufacturing	K	Hickory Aquifer | Gillespie County	150	150	150	150	150	150
Mining	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	17	17	17	17	17	17
Livestock	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	546	546	546	546	546	546
Livestock	K	Ellenburger-San Saba Aquifer | Gillespie County	116	116	116	116	116	116
Livestock	K	Hickory Aquifer | Gillespie County	266	266	266	266	266	266
Livestock	K	Local Surface Water Supply	68	68	68	68	68	68
Irrigation	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	1,640	1,640	1,640	1,640	1,640	1,640
Irrigation	K	Ellenburger-San Saba Aquifer | Gillespie County	652	652	652	652	652	652
Irrigation	K	Hickory Aquifer | Gillespie County	210	210	210	210	210	210
Gillespie County / Guadalupe Basin WUG Total			**96**	**96**	**96**	**96**	**96**	**96**
County-Other	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	90	90	90	90	90	90
Livestock	K	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Gillespie County	6	6	6	6	6	6
Livestock	K	Local Surface Water Supply	0	0	0	0	0	0
Hays County WUG Total			**18,120**	**18,535**	**19,121**	**19,785**	**20,276**	**20,660**
Hays County / Colorado Basin WUG Total			**18,120**	**18,535**	**19,121**	**19,785**	**20,276**	**20,660**
Austin	K	Colorado Run-of-River	22	26	30	34	38	42
Buda	L	Canyon Lake/Reservoir	1,680	1,680	1,680	1,680	1,680	1,680
Buda	L	Carrizo-Wilcox Aquifer | Gonzales County	762	762	762	762	762	762
Buda	K	Direct Reuse	16	16	16	16	16	16

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Buda	K	Edwards-BFZ Aquifer | Hays County	844	844	844	844	844	844
Canyon Lake Water Service*		No water supply associated with WUG	0	0	0	0	0	0
Cimarron Park Water	K	Edwards-BFZ Aquifer | Hays County	291	291	291	291	291	291
Dripping Springs WSC	K	Highland Lakes Lake/Reservoir System	1,126	1,126	1,126	1,126	1,126	1,126
Dripping Springs WSC	K	Trinity Aquifer | Hays County	1,125	1,125	1,125	1,125	1,125	1,125
Goforth SUD*	L	Edwards-BFZ Aquifer | Hays County	6	7	8	10	10	10
Goforth SUD*	L	Trinity Aquifer | Hays County	87	76	73	75	77	81
Hays	K	Edwards-BFZ Aquifer | Hays County	183	180	180	180	180	180
Hays County WCID 1	K	Highland Lakes Lake/Reservoir System	801	801	801	801	801	801
Hays County WCID 2	K	Highland Lakes Lake/Reservoir System	777	775	775	775	775	775
Headwaters at Barton Creek	K	Highland Lakes Lake/Reservoir System	104	150	210	292	385	490
La Ventana WSC	K	Trinity Aquifer | Hays County	138	138	138	138	138	138
Mid-Tex Utilities	K	Austin Lake/Reservoir	0	0	0	0	0	0
Reunion Ranch WCID	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Reunion Ranch WCID	K	Colorado Run-of-River	0	0	0	0	0	0
Reunion Ranch WCID	K	Direct Reuse	0	0	0	0	0	0
Reunion Ranch WCID	K	Highland Lakes Lake/Reservoir System	350	350	350	350	350	350
Ruby Ranch WSC	K	Edwards-BFZ Aquifer | Hays County	74	74	74	74	74	74
West Travis County Public Utility Agency	K	Direct Reuse	0	0	0	0	0	0
West Travis County Public Utility Agency	K	Highland Lakes Lake/Reservoir System	5,193	5,573	6,097	6,671	7,063	7,334
County-Other*	K	Edwards-BFZ Aquifer | Hays County	663	663	663	663	663	663

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other*	K	Trinity Aquifer | Hays County	1,654	1,654	1,654	1,654	1,654	1,654
Manufacturing*	K	Edwards-BFZ Aquifer | Hays County	114	114	114	114	114	114
Mining*	K	Edwards-BFZ Aquifer | Hays County	798	798	798	798	798	798
Mining*	K	Trinity Aquifer | Hays County	9	9	9	9	9	9
Livestock*	K	Local Surface Water Supply	220	220	220	220	220	220
Livestock*	K	Trinity Aquifer | Hays County	700	700	700	700	700	700
Irrigation*	K	Edwards-BFZ Aquifer | Hays County	186	186	186	186	186	186
Irrigation*	K	Trinity Aquifer | Hays County	197	197	197	197	197	197
Llano County WUG Total			**12,065**	**10,122**	**10,118**	**10,119**	**10,121**	**10,120**
Llano County / Colorado Basin WUG Total			**12,065**	**10,122**	**10,118**	**10,119**	**10,121**	**10,120**
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Highland Lakes Lake/Reservoir System	262	262	262	262	262	262
Horseshoe Bay	K	Direct Reuse	387	383	379	380	382	381
Horseshoe Bay	K	Highland Lakes Lake/Reservoir System	1,827	1,827	1,827	1,827	1,827	1,827
Kingsland WSC	K	Highland Lakes Lake/Reservoir System	1,086	1,086	1,086	1,086	1,086	1,086
Kingsland WSC	K	Other Aquifer | Llano County	55	55	55	55	55	55
Llano	K	Llano Lake/Reservoir	0	0	0	0	0	0
Llano	K	Llano Run-of-River	120	120	120	120	120	120
Sunrise Beach Village	K	Ellenburger-San Saba Aquifer | Llano County	80	80	80	80	80	80
Sunrise Beach Village	K	Highland Lakes Lake/Reservoir System	200	200	200	200	200	200
County-Other	K	Ellenburger-San Saba Aquifer | Llano County	44	44	44	44	44	44

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other	K	Hickory Aquifer | Llano County	139	139	139	139	139	139
County-Other	K	Highland Lakes Lake/Reservoir System	710	710	710	710	710	710
County-Other	K	Other Aquifer | Llano County	403	403	403	403	403	403
Manufacturing	K	Hickory Aquifer | Llano County	4	4	4	4	4	4
Mining	K	Highland Lakes Lake/Reservoir System	2,214	275	275	275	275	275
Steam Electric Power	K	Highland Lakes Lake/Reservoir System	1,748	1,748	1,748	1,748	1,748	1,748
Livestock	K	Ellenburger-San Saba Aquifer | Llano County	20	20	20	20	20	20
Livestock	K	Hickory Aquifer | Llano County	179	179	179	179	179	179
Livestock	K	Local Surface Water Supply	414	414	414	414	414	414
Livestock	K	Other Aquifer | Llano County	138	138	138	138	138	138
Irrigation	K	Hickory Aquifer | Llano County	484	484	484	484	484	484
Irrigation	K	Highland Lakes Lake/Reservoir System	1,514	1,514	1,514	1,514	1,514	1,514
Irrigation	K	Other Aquifer | Llano County	37	37	37	37	37	37
Matagorda County WUG Total			**146,830**	**146,830**	**146,830**	**146,830**	**146,830**	**146,830**
Matagorda County / Brazos-Colorado Basin WUG Total			**28,489**	**28,489**	**28,489**	**28,489**	**28,489**	**28,489**
Bay City	K	Gulf Coast Aquifer System | Matagorda County	2,906	2,906	2,906	2,906	2,906	2,906
Caney Creek MUD of Matagorda County	K	Gulf Coast Aquifer System | Matagorda County	1,226	1,226	1,226	1,226	1,226	1,226
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Gulf Coast Aquifer System | Matagorda County	70	70	70	70	70	70
Matagorda County WCID 6	K	Gulf Coast Aquifer System | Matagorda County	116	116	116	116	116	116

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Matagorda Waste Disposal & WSC	K	Gulf Coast Aquifer System | Matagorda County	55	55	55	55	55	55
County-Other	K	Gulf Coast Aquifer System | Matagorda County	544	544	544	544	544	544
Livestock	K	Gulf Coast Aquifer System | Matagorda County	280	280	280	280	280	280
Livestock	K	Local Surface Water Supply	329	329	329	329	329	329
Irrigation	K	Brazos-Colorado Run-of-River	0	0	0	0	0	0
Irrigation	K	Colorado Run-of-River	12,963	12,963	12,963	12,963	12,963	12,963
Irrigation	K	Gulf Coast Aquifer System | Matagorda County	10,000	10,000	10,000	10,000	10,000	10,000
Matagorda County / Colorado Basin WUG Total			**18,046**	**18,046**	**18,046**	**18,046**	**18,046**	**18,046**
Bay City	K	Gulf Coast Aquifer System | Matagorda County	6	6	6	6	6	6
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Gulf Coast Aquifer System | Matagorda County	14	14	14	14	14	14
Matagorda Waste Disposal & WSC	K	Gulf Coast Aquifer System | Matagorda County	330	330	330	330	330	330
County-Other	K	Gulf Coast Aquifer System | Matagorda County	174	174	174	174	174	174
Manufacturing	K	Colorado Run-of-River	14,210	14,210	14,210	14,210	14,210	14,210
Manufacturing	K	Gulf Coast Aquifer System | Matagorda County	1,576	1,576	1,576	1,576	1,576	1,576
Manufacturing	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Livestock	K	Gulf Coast Aquifer System | Matagorda County	132	132	132	132	132	132
Irrigation	K	Colorado Run-of-River	1,604	1,604	1,604	1,604	1,604	1,604
Matagorda County / Colorado-Lavaca Basin WUG Total			**100,295**	**100,295**	**100,295**	**100,295**	**100,295**	**100,295**
Markham MUD	K	Gulf Coast Aquifer System | Matagorda County	116	116	116	116	116	116
Palacios	K	Gulf Coast Aquifer System | Matagorda County	486	486	486	486	486	486

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Quadvest*		No water supply associated with WUG	0	0	0	0	0	0
County-Other	K	Gulf Coast Aquifer System | Matagorda County	574	574	574	574	574	574
Mining	K	Gulf Coast Aquifer System | Matagorda County	1	1	1	1	1	1
Steam Electric Power	K	Gulf Coast Aquifer System | Matagorda County	3,000	3,000	3,000	3,000	3,000	3,000
Steam Electric Power	K	Highland Lakes Lake/Reservoir System	30,760	30,760	30,760	30,760	30,760	30,760
Steam Electric Power	K	STPNOC Lake/Reservoir	35,500	35,500	35,500	35,500	35,500	35,500
Livestock	K	Gulf Coast Aquifer System | Matagorda County	299	299	299	299	299	299
Livestock	K	Local Surface Water Supply	215	215	215	215	215	215
Irrigation	K	Colorado Run-of-River	14,344	14,344	14,344	14,344	14,344	14,344
Irrigation	K	Colorado-Lavaca Run-of-River	0	0	0	0	0	0
Irrigation	K	Gulf Coast Aquifer System | Matagorda County	15,000	15,000	15,000	15,000	15,000	15,000
Mills County WUG Total			**3,119**	**3,119**	**3,119**	**3,119**	**3,801**	**3,119**
Mills County / Brazos Basin WUG Total			**1,828**	**1,828**	**1,828**	**1,828**	**1,828**	**1,828**
Goldthwaite	K	Trinity Aquifer | Mills County	1	1	1	1	1	1
County-Other	K	Ellenburger-San Saba Aquifer | Mills County	56	56	56	56	56	56
County-Other	K	Trinity Aquifer | Mills County	112	112	112	112	112	112
Mining	K	Trinity Aquifer | Mills County	2	2	2	2	2	2
Livestock	K	Local Surface Water Supply	321	321	321	321	321	321
Irrigation	K	Trinity Aquifer | Mills County	1,336	1,336	1,336	1,336	1,336	1,336
Mills County / Colorado Basin WUG Total			**1,291**	**1,291**	**1,291**	**1,291**	**1,973**	**1,291**
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Highland Lakes Lake/Reservoir System	13	13	13	13	13	13
Goldthwaite	K	Ellenburger-San Saba Aquifer | San Saba County	200	200	200	200	200	200
Goldthwaite	K	Trinity Aquifer | Mills County	81	81	81	81	81	81
County-Other	K	Trinity Aquifer | Mills County	155	155	155	155	155	155
Manufacturing	K	Trinity Aquifer | Mills County	2	2	2	2	2	2
Mining	K	Trinity Aquifer | Mills County	2	2	2	2	2	2
Livestock	K	Ellenburger-San Saba Aquifer | Mills County	75	75	75	75	757	75
Livestock	K	Local Surface Water Supply	360	360	360	360	360	360
Livestock	K	Trinity Aquifer | Mills County	212	212	212	212	212	212
Irrigation	K	Colorado Run-of-River	191	191	191	191	191	191
San Saba County WUG Total			**9,699**	**9,699**	**9,699**	**9,699**	**9,699**	**9,699**
San Saba County / Colorado Basin WUG Total			**9,699**	**9,699**	**9,699**	**9,699**	**9,699**	**9,699**
Corix Utilities Texas Inc*	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Corix Utilities Texas Inc*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Corix Utilities Texas Inc*	K	Highland Lakes Lake/Reservoir System	15	15	15	15	15	15
North San Saba WSC	K	Ellenburger-San Saba Aquifer | San Saba County	195	195	195	195	195	195
Richland SUD*	K	Ellenburger-San Saba Aquifer | San Saba County	0	0	0	0	0	0
Richland SUD*	K	Marble Falls Aquifer | San Saba County	254	254	254	254	254	254
San Saba	K	Colorado Run-of-River	0	0	0	0	0	0
San Saba	K	Ellenburger-San Saba Aquifer | San Saba County	1,246	1,246	1,246	1,246	1,246	1,246
County-Other	K	Ellenburger-San Saba Aquifer | San Saba County	168	168	168	168	168	168

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
County-Other	K	Hickory Aquifer | San Saba County	77	77	77	77	77	77
County-Other	K	Highland Lakes Lake/Reservoir System	20	20	20	20	20	20
County-Other	K	Marble Falls Aquifer | San Saba County	20	20	20	20	20	20
Manufacturing	K	Marble Falls Aquifer | San Saba County	24	24	24	24	24	24
Livestock	K	Ellenburger-San Saba Aquifer | San Saba County	224	224	224	224	224	224
Livestock	K	Hickory Aquifer | San Saba County	125	125	125	125	125	125
Livestock	K	Local Surface Water Supply	534	534	534	534	534	534
Livestock	K	Marble Falls Aquifer | San Saba County	10	10	10	10	10	10
Irrigation	K	Ellenburger-San Saba Aquifer | San Saba County	2,815	2,815	2,815	2,815	2,815	2,815
Irrigation	K	Hickory Aquifer | San Saba County	3,972	3,972	3,972	3,972	3,972	3,972
Travis County WUG Total			**402,645**	**406,196**	**391,896**	**382,312**	**374,386**	**365,306**
Travis County / Colorado Basin WUG Total			**402,509**	**406,060**	**391,760**	**382,177**	**374,251**	**365,171**
Aqua WSC*	L	Carrizo-Wilcox Aquifer | Caldwell County	1,430	1,431	1,427	1,422	1,417	1,413
Austin	K	Colorado Run-of-River	127,733	127,078	119,239	109,106	100,554	91,018
Austin	K	Direct Reuse	2,691	2,391	2,391	2,391	2,391	2,391
Austin	K	Highland Lakes Lake/Reservoir System	137,891	137,891	137,891	137,891	137,891	137,891
Barton Creek West WSC	K	Highland Lakes Lake/Reservoir System	430	430	430	430	430	430
Barton Creek WSC	K	Highland Lakes Lake/Reservoir System	307	307	307	307	307	307
Briarcliff	K	Highland Lakes Lake/Reservoir System	400	400	400	400	400	400
Canyon Lake Water Service*		No water supply associated with WUG	0	0	0	0	0	0
Cedar Park*	K	Highland Lakes Lake/Reservoir System	1,638	1,574	1,822	1,888	1,887	1,887
Cottonwood Creek MUD 1	G	Carrizo-Wilcox Aquifer | Burleson County	95	107	120	129	138	148

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Creedmoor-Maha WSC*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Creedmoor-Maha WSC*	K	Colorado Run-of-River	176	0	0	0	0	0
Creedmoor-Maha WSC*	K	Edwards-BFZ Aquifer | Travis County	518	518	518	518	518	518
Cypress Ranch WCID 1	K	Highland Lakes Lake/Reservoir System	435	435	435	435	435	435
Cypress Ranch WCID 1	K	Trinity Aquifer | Travis County	222	222	222	222	222	222
Elgin	K	Carrizo-Wilcox Aquifer | Bastrop County	881	1,080	1,170	1,220	1,220	1,220
Garfield WSC	K	Trinity Aquifer | Travis County	260	260	260	260	260	260
Hornsby Bend Utility	G	Carrizo-Wilcox Aquifer | Burleson County	285	285	285	285	285	285
Hornsby Bend Utility	K	Colorado River Alluvium Aquifer | Travis County	688	688	688	688	688	688
Hurst Creek MUD	K	Direct Reuse	106	106	106	106	106	106
Hurst Creek MUD	K	Highland Lakes Lake/Reservoir System	1,600	1,600	1,600	1,600	1,600	1,600
Jonestown WSC	K	Highland Lakes Lake/Reservoir System	750	750	750	750	750	750
Kelly Lane WCID 1	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Kelly Lane WCID 1	K	Trinity Aquifer | Travis County	388	388	388	388	388	388
Kelly Lane WCID 2	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Lago Vista	K	Direct Reuse	415	415	415	415	415	415
Lago Vista	K	Highland Lakes Lake/Reservoir System	3,451	3,451	3,451	3,451	3,451	3,451
Lakeside MUD 3*	K	Highland Lakes Lake/Reservoir System	281	281	281	281	281	281
Lakeside WCID 1	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Lakeside WCID 2-B	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Lakeside WCID 2-C	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Lakeside WCID 2-D	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Lakeside WCID 2-D	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Lakeway MUD	K	Highland Lakes Lake/Reservoir System	3,069	3,069	3,069	3,069	3,069	3,069
Leander*	K	Highland Lakes Lake/Reservoir System	1,202	1,684	1,738	1,269	1,079	941
Loop 360 WSC	K	Highland Lakes Lake/Reservoir System	1,250	1,250	1,250	1,250	1,250	1,250
Manor	G	Carrizo-Wilcox Aquifer | Burleson County	404	504	996	1,329	1,810	1,873
Manor	K	Colorado Run-of-River	1,680	1,680	0	0	0	0
Manor	K	Edwards-BFZ Aquifer | Travis County	10	10	10	10	10	10
Manor	K	Other Aquifer | Travis County	679	679	679	679	679	679
Manor	K	Trinity Aquifer | Travis County	547	547	547	547	547	547
Manville WSC*	G	Carrizo-Wilcox Aquifer | Burleson County	1,417	1,485	1,528	1,561	1,591	1,618
Manville WSC*	G	Carrizo-Wilcox Aquifer | Lee County	3,719	3,897	4,010	4,096	4,175	4,246
Manville WSC*	K	Edwards-BFZ Aquifer | Travis County	34	34	34	34	34	34
Manville WSC*	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Manville WSC*	G	Other Aquifer | Williamson County	0	0	0	0	0	0
Manville WSC*	K	Trinity Aquifer | Travis County	883	925	952	972	991	1,008
Mid-Tex Utilities	K	Austin Lake/Reservoir	0	0	0	0	0	0
North Austin MUD 1	K	Colorado Run-of-River	81	78	0	0	0	0
Northtown MUD	K	Colorado Run-of-River	728	841	0	0	0	0
Pflugerville	K	Edwards-BFZ Aquifer | Travis County	1,022	1,022	1,022	1,022	1,022	1,022
Pflugerville	K	Highland Lakes Lake/Reservoir System	11,600	13,600	17,100	17,100	17,100	17,100
Rollingwood	K	Colorado Run-of-River	1,120	1,120	0	0	0	0
Rough Hollow in Travis County	K	Highland Lakes Lake/Reservoir System	1,193	1,193	1,193	1,193	1,193	1,193

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Round Rock*	K	Highland Lakes Lake/Reservoir System	278	315	352	395	434	470
Senna Hills MUD	K	Carrizo-Wilcox Aquifer | Bastrop County	0	0	0	0	0	0
Senna Hills MUD	K	Colorado Run-of-River	0	0	0	0	0	0
Senna Hills MUD	K	Highland Lakes Lake/Reservoir System	336	336	336	336	336	336
Shady Hollow MUD	K	Colorado Run-of-River	793	775	759	750	749	749
Sunset Valley	K	Colorado Run-of-River	716	716	0	0	0	0
Sunset Valley	K	Edwards-BFZ Aquifer | Travis County	40	40	40	40	40	40
Sweetwater Community	K	Highland Lakes Lake/Reservoir System	840	840	840	840	840	840
Travis County MUD 10	K	Highland Lakes Lake/Reservoir System	96	96	96	96	96	96
Travis County MUD 14	K	Carrizo-Wilcox Aquifer | Bastrop County	224	224	224	224	224	224
Travis County MUD 14	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Travis County MUD 18	K	Direct Reuse	0	0	0	0	0	0
Travis County MUD 18	K	Highland Lakes Lake/Reservoir System	230	230	230	230	230	230
Travis County MUD 2	G	Carrizo-Wilcox Aquifer | Burleson County	322	322	322	322	322	322
Travis County MUD 2	K	Trinity Aquifer | Travis County	218	218	218	218	218	218
Travis County MUD 4	K	Highland Lakes Lake/Reservoir System	3,560	3,562	3,564	3,565	3,565	3,565
Travis County WCID 10	K	Colorado Run-of-River	3,360	3,360	0	0	0	0
Travis County WCID 17	K	Direct Reuse	1,205	1,205	1,205	1,205	1,205	1,205
Travis County WCID 17	K	Highland Lakes Lake/Reservoir System	8,800	8,800	8,800	8,800	8,800	8,800
Travis County WCID 18	K	Highland Lakes Lake/Reservoir System	1,400	1,400	1,400	1,400	1,400	1,400
Travis County WCID 19	K	Highland Lakes Lake/Reservoir System	449	447	445	444	444	444
Travis County WCID 20	K	Highland Lakes Lake/Reservoir System	1,135	1,135	1,135	1,135	1,135	1,135

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Travis County WCID Point Venture	K	Highland Lakes Lake/Reservoir System	285	285	285	285	285	285
Undine Development	K	Highland Lakes Lake/Reservoir System	0	0	0	0	0	0
Wells Branch MUD	K	Colorado Run-of-River	1,397	1,352	0	0	0	0
West Travis County Public Utility Agency	K	Direct Reuse	0	0	0	0	0	0
West Travis County Public Utility Agency	K	Highland Lakes Lake/Reservoir System	8,161	7,739	7,155	6,499	6,014	5,638
Wilbarger Creek MUD 1	K	Colorado River Alluvium Aquifer | Travis County	0	0	0	0	0	0
Williamson County WSID 3*	G	Carrizo-Wilcox Aquifer | Lee County	111	130	125	121	117	114
Williamson County WSID 3*	K	Edwards-BFZ Aquifer | Travis County	0	0	0	0	0	0
Williamson County WSID 3*	K	Trinity Aquifer | Travis County	29	35	33	32	31	30
Williamson Travis Counties MUD 1*	K	Highland Lakes Lake/Reservoir System	201	201	201	202	201	202
Windermere Utility	K	Colorado Run-of-River	2,240	2,240	0	0	0	0
Windermere Utility	K	Edwards-BFZ Aquifer | Travis County	1,062	1,062	1,062	1,062	1,062	1,062
Windermere Utility	K	Highland Lakes Lake/Reservoir System	307	307	307	307	307	307
County-Other	G	Carrizo-Wilcox Aquifer | Burleson County	299	287	274	265	256	246
County-Other	K	Highland Lakes Lake/Reservoir System	10,823	10,823	10,823	10,823	10,823	10,823
County-Other	K	Trinity Aquifer | Travis County	4,451	4,451	4,451	4,451	4,451	4,451
Manufacturing	K	Colorado Run-of-River	10,542	11,931	12,217	12,673	12,673	12,673
Manufacturing	K	Edwards-BFZ Aquifer | Travis County	279	279	279	279	279	279
Manufacturing	K	Highland Lakes Lake/Reservoir System	276	276	276	276	276	276
Mining	K	Local Surface Water Supply	2,230	2,830	3,477	4,083	4,749	5,512
Mining	K	Trinity Aquifer | Travis County	1,237	1,237	1,237	1,237	1,237	1,237
Steam Electric Power	K	Colorado Run-of-River	9,240	9,240	9,240	9,240	9,240	9,240

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Steam Electric Power	K	Direct Reuse	0	0	0	0	0	0
Steam Electric Power	K	Highland Lakes Lake/Reservoir System	5,153	5,153	5,153	5,153	5,153	5,153
Livestock	K	Local Surface Water Supply	463	463	463	463	463	463
Livestock	K	Trinity Aquifer | Travis County	46	46	46	46	46	46
Irrigation	K	Edwards-BFZ Aquifer | Travis County	964	964	964	964	964	964
Irrigation	K	Highland Lakes Lake/Reservoir System	4,451	4,451	4,451	4,451	4,451	4,451
Irrigation	K	Trinity Aquifer | Travis County	551	551	551	551	551	551
Travis County / Guadalupe Basin WUG Total			**136**	**136**	**136**	**135**	**135**	**135**
Creedmoor-Maha WSC*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Goforth SUD*	L	Edwards-BFZ Aquifer | Hays County	1	1	1	0	0	0
Goforth SUD*	L	Trinity Aquifer | Hays County	5	5	5	5	5	5
County-Other	K	Other Aquifer | Travis County	112	112	112	112	112	112
Livestock	K	Local Surface Water Supply	18	18	18	18	18	18
Wharton County WUG Total			**129,734**	**129,734**	**129,734**	**129,734**	**129,734**	**129,734**
Wharton County / Brazos-Colorado Basin WUG Total			**65,502**	**65,476**	**65,456**	**65,431**	**65,404**	**65,378**
Boling MWD	K	Gulf Coast Aquifer System | Wharton County	156	156	156	156	156	156
Wharton	K	Gulf Coast Aquifer System | Wharton County	1,112	1,086	1,066	1,041	1,014	988
Wharton County WCID 2	K	Gulf Coast Aquifer System | Wharton County	306	306	306	306	306	306
County-Other*	K	Gulf Coast Aquifer System | Wharton County	1,164	1,164	1,164	1,164	1,164	1,164
Manufacturing*	K	Gulf Coast Aquifer System | Wharton County	69	69	69	69	69	69
Steam Electric Power*	K	Gulf Coast Aquifer System | Wharton County	5	5	5	5	5	5

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Livestock*	K	Gulf Coast Aquifer System | Wharton County	302	302	302	302	302	302
Livestock*	K	Local Surface Water Supply	149	149	149	149	149	149
Irrigation*	K	Brazos-Colorado Run-of-River	0	0	0	0	0	0
Irrigation*	K	Colorado Run-of-River	14,813	14,813	14,813	14,813	14,813	14,813
Irrigation*	K	Gulf Coast Aquifer System | Wharton County	47,426	47,426	47,426	47,426	47,426	47,426
Wharton County / Colorado Basin WUG Total			**45,403**	**45,429**	**45,449**	**45,474**	**45,501**	**45,527**
El Campo*	P	Gulf Coast Aquifer System | Wharton County	26	26	26	26	26	26
Wharton	K	Gulf Coast Aquifer System | Wharton County	756	782	802	827	854	880
County-Other*	K	Gulf Coast Aquifer System | Wharton County	600	600	600	600	600	600
County-Other*	P	Gulf Coast Aquifer System | Wharton County	57	57	57	57	57	57
Mining	K	Gulf Coast Aquifer System | Wharton County	27	27	27	27	27	27
Steam Electric Power*	K	Gulf Coast Aquifer System | Wharton County	7,908	7,908	7,908	7,908	7,908	7,908
Livestock*	K	Gulf Coast Aquifer System | Wharton County	206	206	206	206	206	206
Livestock*	K	Local Surface Water Supply	115	115	115	115	115	115
Irrigation*	K	Colorado Run-of-River	9,001	9,001	9,001	9,001	9,001	9,001
Irrigation*	K	Gulf Coast Aquifer System | Wharton County	26,707	26,707	26,707	26,707	26,707	26,707
Wharton County / Colorado-Lavaca Basin WUG Total			**18,816**	**18,816**	**18,816**	**18,816**	**18,816**	**18,816**
County-Other*	K	Gulf Coast Aquifer System | Wharton County	231	231	231	231	231	231
Livestock*	K	Gulf Coast Aquifer System | Wharton County	107	107	107	107	107	107
Livestock*	K	Local Surface Water Supply	74	74	74	74	74	74
Irrigation*	K	Colorado Run-of-River	2,535	2,535	2,535	2,535	2,535	2,535

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DRAFT Region K Water User Group (WUG) Existing Water Supply

WUG Name	Source Region	Source Description	Existing Supply (acre-feet per year)					
			2030	2040	2050	2060	2070	2080
Irrigation*	K	Gulf Coast Aquifer System | Wharton County	15,869	15,869	15,869	15,869	15,869	15,869
Wharton County / Lavaca Basin WUG Total			**13**	**13**	**13**	**13**	**13**	**13**
County-Other*	K	Gulf Coast Aquifer System | Wharton County	13	13	13	13	13	13
Williamson County WUG Total			**17,141**	**22,022**	**27,863**	**34,723**	**42,065**	**49,529**
Williamson County / Brazos Basin WUG Total			**17,141**	**22,022**	**27,863**	**34,723**	**42,065**	**49,529**
Austin	K	Colorado Run-of-River	16,159	21,070	27,735	34,595	41,937	49,401
Brushy Creek MUD*		No water supply associated with WUG	0	0	0	0	0	0
Fern Bluff MUD*		No water supply associated with WUG	0	0	0	0	0	0
North Austin MUD 1	K	Colorado Run-of-River	774	747	0	0	0	0
Wells Branch MUD	K	Colorado Run-of-River	80	77	0	0	0	0
County-Other*	K	Colorado Run-of-River	87	87	87	87	87	87
County-Other*	K	Edwards-BFZ Aquifer | Williamson County	6	6	6	6	6	6
Manufacturing*	K	Trinity Aquifer | Williamson County	30	30	30	30	30	30
Mining*	K	Trinity Aquifer | Williamson County	5	5	5	5	5	5
Livestock*		No water supply associated with WUG	0	0	0	0	0	0
Region K WUG Existing Water Supply Total			**979,549**	**986,236**	**978,278**	**976,214**	**976,863**	**975,010**

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DRAFT Region K Water User Group (WUG) Needs or Surplus

WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Needs/Surplus report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Surplus volumes are shown as positive values, and needs are shown as negative values in parentheses.

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Aqua WSC*	Bastrop	Brazos	(47)	(77)	(113)	(155)	(202)	(255)
Lee County WSC*	Bastrop	Brazos	90	78	79	91	111	140
County-Other	Bastrop	Brazos	35	34	32	28	17	0
Livestock	Bastrop	Brazos	0	0	0	0	0	0
Irrigation	Bastrop	Brazos	5	5	5	5	5	5
Aqua WSC*	Bastrop	Colorado	(3,617)	(6,740)	(10,475)	(14,710)	(19,509)	(24,949)
Bastrop	Bastrop	Colorado	710	235	(337)	(986)	(1,722)	(2,557)
Bastrop County WCID 2	Bastrop	Colorado	(9)	(117)	(248)	(397)	(565)	(756)
Creedmoor-Maha WSC*	Bastrop	Colorado	16	(3)	(20)	(38)	(58)	(81)
Elgin	Bastrop	Colorado	62	(690)	(1,362)	(2,002)	(2,256)	(2,256)
Fayette WSC*	Bastrop	Colorado	(2)	(5)	(10)	(15)	(21)	(25)
Lee County WSC*	Bastrop	Colorado	134	129	134	157	193	240
Polonia WSC*	Bastrop	Colorado	58	61	68	79	94	114
Smithville	Bastrop	Colorado	(70)	(114)	(166)	(226)	(294)	(372)
The Colony MUD 1A	Bastrop	Colorado	(196)	(267)	(352)	(448)	(557)	(680)
County-Other	Bastrop	Colorado	499	404	182	(162)	(1,095)	(2,526)
Manufacturing	Bastrop	Colorado	86	71	55	39	22	4
Mining	Bastrop	Colorado	112	33	(67)	(194)	(352)	(550)
Steam Electric Power	Bastrop	Colorado	2,524	2,524	2,524	2,524	2,524	2,524
Livestock	Bastrop	Colorado	39	39	39	39	39	39
Irrigation	Bastrop	Colorado	353	353	353	353	353	353
Aqua WSC*	Bastrop	Guadalupe	5	(11)	(27)	(45)	(68)	(95)
County-Other	Bastrop	Guadalupe	0	0	(1)	(3)	(6)	(12)
Livestock	Bastrop	Guadalupe	0	0	0	0	0	0
Irrigation	Bastrop	Guadalupe	170	170	170	170	170	170
Corix Utilities Texas Inc*	Blanco	Colorado	(40)	(40)	(40)	(40)	(40)	(40)
Johnson City	Blanco	Colorado	(10)	(28)	(48)	(70)	(93)	(118)
County-Other	Blanco	Colorado	0	5	26	46	69	95
Manufacturing	Blanco	Colorado	4	3	2	1	1	0
Mining	Blanco	Colorado	1	1	0	0	0	0

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Livestock	Blanco	Colorado	220	220	220	220	220	220
Irrigation	Blanco	Colorado	0	0	0	0	0	0
Blanco	Blanco	Guadalupe	329	328	332	336	340	345
Canyon Lake Water Service*	Blanco	Guadalupe	160	169	171	173	176	178
Rancho Del Lago	Blanco	Guadalupe	0	(1)	2	4	7	10
County-Other	Blanco	Guadalupe	2	5	20	36	53	72
Manufacturing	Blanco	Guadalupe	1	1	1	1	0	0
Livestock	Blanco	Guadalupe	91	91	91	91	91	91
Irrigation	Blanco	Guadalupe	0	0	0	0	0	0
Bertram	Burnet	Brazos	(578)	(899)	(1,178)	(1,500)	(1,861)	(2,269)
Corix Utilities Texas Inc*	Burnet	Brazos	(12)	(13)	(15)	(16)	(17)	(19)
Georgetown*	Burnet	Brazos	(23)	(51)	(57)	(53)	(55)	(54)
Kempner WSC*	Burnet	Brazos	23	41	56	74	91	109
County-Other	Burnet	Brazos	9	101	22	(63)	(157)	(270)
Mining	Burnet	Brazos	79	3	(62)	(124)	(178)	(225)
Livestock	Burnet	Brazos	85	85	85	85	85	85
Irrigation	Burnet	Brazos	(109)	(109)	(109)	(109)	(109)	(109)
Bertram	Burnet	Colorado	(50)	(65)	(78)	(92)	(109)	(128)
Burnet	Burnet	Colorado	415	327	247	164	69	(40)
Corix Utilities Texas Inc*	Burnet	Colorado	(514)	(608)	(691)	(784)	(889)	(1,007)
Cottonwood Shores	Burnet	Colorado	202	162	127	88	43	(7)
Granite Shoals	Burnet	Colorado	182	164	146	129	109	87
Horseshoe Bay	Burnet	Colorado	79	44	15	(22)	(63)	(110)
Kingsland WSC	Burnet	Colorado	34	13	(13)	(47)	(89)	(142)
Marble Falls	Burnet	Colorado	1,513	530	528	526	525	522
Meadowlakes	Burnet	Colorado	(483)	(531)	(572)	(617)	(667)	(687)
County-Other	Burnet	Colorado	2,402	2,597	2,430	2,247	2,044	1,804
Manufacturing	Burnet	Colorado	(44)	(50)	(56)	(62)	(68)	(75)
Mining	Burnet	Colorado	220	80	(37)	(150)	(249)	(334)
Livestock	Burnet	Colorado	1	1	1	1	1	1
Irrigation	Burnet	Colorado	950	950	950	950	950	950
Eagle Lake	Colorado	Brazos-Colorado	57	70	82	90	98	108
County-Other	Colorado	Brazos-Colorado	47	52	56	61	66	72

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Manufacturing	Colorado	Brazos-Colorado	13	13	12	12	12	12
Livestock	Colorado	Brazos-Colorado	(93)	(93)	(93)	(93)	(93)	(93)
Irrigation	Colorado	Brazos-Colorado	(13,817)	(12,503)	(11,226)	(9,983)	(8,774)	(7,598)
Columbus	Colorado	Colorado	501	487	477	474	474	478
Corix Utilities Texas Inc*	Colorado	Colorado	(21)	(16)	(11)	(7)	(3)	0
Eagle Lake	Colorado	Colorado	121	151	178	197	218	241
Weimar	Colorado	Colorado	58	62	66	69	73	78
County-Other	Colorado	Colorado	(29)	(3)	22	48	76	109
Manufacturing	Colorado	Colorado	(46)	(50)	(54)	(58)	(62)	(67)
Mining	Colorado	Colorado	625	541	421	320	222	135
Steam Electric Power	Colorado	Colorado	0	0	0	0	0	0
Livestock	Colorado	Colorado	394	394	394	394	394	394
Irrigation	Colorado	Colorado	(1,902)	(1,191)	(500)	172	827	1,464
Weimar	Colorado	Lavaca	95	103	111	120	129	139
County-Other	Colorado	Lavaca	208	216	224	232	242	253
Manufacturing	Colorado	Lavaca	572	554	536	516	496	476
Livestock	Colorado	Lavaca	121	121	121	121	121	121
Irrigation	Colorado	Lavaca	(15,992)	(13,640)	(11,350)	(9,122)	(6,955)	(4,846)
Fayette County WCID Monument Hill	Fayette	Colorado	100	102	105	106	106	107
Fayette WSC*	Fayette	Colorado	(201)	(266)	(340)	(420)	(505)	(598)
La Grange	Fayette	Colorado	0	19	36	40	44	49
Lee County WSC*	Fayette	Colorado	456	459	457	453	440	417
West End WSC*	Fayette	Colorado	0	0	0	0	0	0
County-Other	Fayette	Colorado	154	217	283	334	388	447
Manufacturing	Fayette	Colorado	0	0	0	0	0	0
Mining	Fayette	Colorado	0	0	0	0	0	586
Steam Electric Power	Fayette	Colorado	948	948	948	948	948	948
Livestock	Fayette	Colorado	347	347	347	347	347	347
Irrigation	Fayette	Colorado	19	19	19	19	19	19
Fayette WSC*	Fayette	Guadalupe	(28)	(32)	(37)	(42)	(48)	(54)
Flatonia	Fayette	Guadalupe	36	37	38	39	39	39
County-Other	Fayette	Guadalupe	4	7	9	10	12	14

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	County	Basin	2030	2040	2050	2060	2070	2080
Livestock	Fayette	Guadalupe	40	40	40	40	40	40
Irrigation	Fayette	Guadalupe	4	4	4	4	4	4
Fayette WSC*	Fayette	Lavaca	(43)	(50)	(58)	(67)	(76)	(87)
Flatonia	Fayette	Lavaca	146	152	158	158	160	161
Schulenburg	Fayette	Lavaca	186	188	188	188	188	188
County-Other	Fayette	Lavaca	9	59	111	151	194	240
Manufacturing	Fayette	Lavaca	79	64	49	33	17	0
Mining	Fayette	Lavaca	0	0	0	0	0	346
Livestock	Fayette	Lavaca	(98)	(98)	(98)	(98)	(98)	(98)
Irrigation	Fayette	Lavaca	48	48	48	48	48	48
Fredericksburg	Gillespie	Colorado	464	402	330	236	127	0
County-Other	Gillespie	Colorado	365	246	114	(79)	(296)	(539)
Manufacturing	Gillespie	Colorado	194	180	165	150	134	117
Mining	Gillespie	Colorado	(2)	(3)	(4)	(6)	(7)	(8)
Livestock	Gillespie	Colorado	0	0	0	0	0	0
Irrigation	Gillespie	Colorado	44	44	44	44	44	44
County-Other	Gillespie	Guadalupe	19	14	9	2	(6)	(16)
Livestock	Gillespie	Guadalupe	0	0	0	0	0	0
Austin	Hays	Colorado	0	0	0	0	0	0
Buda	Hays	Colorado	66	(1,213)	(2,078)	(2,938)	(3,937)	(5,095)
Canyon Lake Water Service*	Hays	Colorado	(155)	(158)	(161)	(164)	(165)	(165)
Cimarron Park Water	Hays	Colorado	56	57	57	57	57	57
Dripping Springs WSC	Hays	Colorado	(551)	(1,793)	(3,603)	(4,689)	(4,689)	(4,689)
Goforth SUD*	Hays	Colorado	(242)	(398)	(595)	(855)	(1,152)	(1,487)
Hays	Hays	Colorado	22	(52)	(145)	(273)	(417)	(580)
Hays County WCID 1	Hays	Colorado	(2)	0	0	0	0	0
Hays County WCID 2	Hays	Colorado	0	0	0	0	0	0
Headwaters at Barton Creek	Hays	Colorado	0	0	0	0	0	0
La Ventana WSC	Hays	Colorado	0	1	1	1	1	1
Mid-Tex Utilities	Hays	Colorado	(119)	(171)	(240)	(334)	(440)	(560)
Reunion Ranch WCID	Hays	Colorado	35	(104)	(287)	(537)	(819)	(1,140)
Ruby Ranch WSC	Hays	Colorado	(69)	(68)	(68)	(68)	(68)	(68)

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
West Travis County Public Utility Agency	Hays	Colorado	(757)	(2,997)	(5,937)	(10,064)	(14,999)	(20,766)
County-Other*	Hays	Colorado	(244)	(2,107)	(5,093)	(10,342)	(17,134)	(24,813)
Manufacturing*	Hays	Colorado	36	29	22	15	8	0
Mining*	Hays	Colorado	(152)	(176)	(198)	(231)	(267)	(306)
Livestock*	Hays	Colorado	804	804	804	804	804	804
Irrigation*	Hays	Colorado	0	0	0	0	0	0
Corix Utilities Texas Inc*	Llano	Colorado	(223)	(233)	(242)	(255)	(271)	(288)
Horseshoe Bay	Llano	Colorado	507	427	380	229	60	(134)
Kingsland WSC	Llano	Colorado	340	222	82	(79)	(266)	(480)
Llano	Llano	Colorado	(675)	(684)	(697)	(696)	(696)	(696)
Sunrise Beach Village	Llano	Colorado	205	203	202	201	200	198
County-Other	Llano	Colorado	798	867	972	1,035	1,111	1,200
Manufacturing	Llano	Colorado	1	1	1	1	1	1
Mining	Llano	Colorado	0	25	29	21	13	4
Steam Electric Power	Llano	Colorado	(179)	(179)	(179)	(179)	(179)	(179)
Livestock	Llano	Colorado	123	123	123	123	123	123
Irrigation	Llano	Colorado	1,387	1,387	1,387	1,387	1,387	1,387
Bay City	Matagorda	Brazos-Colorado	359	373	366	362	358	356
Caney Creek MUD of Matagorda County	Matagorda	Brazos-Colorado	950	928	901	871	840	805
Corix Utilities Texas Inc*	Matagorda	Brazos-Colorado	(2)	(2)	1	5	8	15
Matagorda County WCID 6	Matagorda	Brazos-Colorado	19	23	27	31	36	42
Matagorda Waste Disposal & WSC	Matagorda	Brazos-Colorado	54	54	54	54	54	54
County-Other	Matagorda	Brazos-Colorado	128	184	247	321	403	493
Livestock	Matagorda	Brazos-Colorado	156	156	156	156	156	156
Irrigation	Matagorda	Brazos-Colorado	(51,451)	(49,442)	(47,487)	(45,585)	(43,734)	(41,933)
Bay City	Matagorda	Colorado	(2)	(2)	(2)	(2)	(2)	(2)

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Corix Utilities Texas Inc*	Matagorda	Colorado	13	13	13	13	13	13
Matagorda Waste Disposal & WSC	Matagorda	Colorado	280	282	284	286	289	292
County-Other	Matagorda	Colorado	92	103	116	130	146	164
Manufacturing	Matagorda	Colorado	(20,892)	(21,165)	(21,448)	(21,742)	(22,046)	(22,362)
Livestock	Matagorda	Colorado	0	0	0	0	0	0
Irrigation	Matagorda	Colorado	(7,605)	(7,357)	(7,115)	(6,879)	(6,650)	(6,428)
Markham MUD	Matagorda	Colorado-Lavaca	47	50	53	56	59	63
Palacios	Matagorda	Colorado-Lavaca	0	18	37	59	84	113
Quadvest*	Matagorda	Colorado-Lavaca	(20)	(20)	(19)	(18)	(17)	(16)
County-Other	Matagorda	Colorado-Lavaca	188	239	299	366	442	527
Mining	Matagorda	Colorado-Lavaca	0	0	0	0	0	0
Steam Electric Power	Matagorda	Colorado-Lavaca	1,807	1,807	1,807	1,807	1,807	1,807
Livestock	Matagorda	Colorado-Lavaca	140	140	140	140	140	140
Irrigation	Matagorda	Colorado-Lavaca	(52,997)	(50,773)	(48,610)	(46,506)	(44,458)	(42,465)
Goldthwaite	Mills	Brazos	(9)	(9)	(9)	(9)	(9)	(9)
County-Other	Mills	Brazos	78	92	106	114	122	130
Mining	Mills	Brazos	(40)	(41)	(43)	(44)	(46)	(48)
Livestock	Mills	Brazos	10	10	10	10	10	10
Irrigation	Mills	Brazos	96	96	96	96	96	96
Corix Utilities Texas Inc*	Mills	Colorado	(87)	(83)	(79)	(74)	(67)	(57)
Goldthwaite	Mills	Colorado	(324)	(323)	(323)	(323)	(323)	(323)
County-Other	Mills	Colorado	9	31	54	67	81	94
Manufacturing	Mills	Colorado	0	0	0	0	0	0
Mining	Mills	Colorado	(64)	(66)	(68)	(72)	(74)	(78)
Livestock	Mills	Colorado	136	136	136	136	818	136
Irrigation	Mills	Colorado	(3,084)	(3,084)	(3,084)	(3,084)	(3,084)	(3,084)
Corix Utilities Texas Inc*	San Saba	Colorado	(4)	(3)	(1)	1	2	4
North San Saba WSC	San Saba	Colorado	69	77	84	88	93	99

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Richland SUD*	San Saba	Colorado	(89)	(68)	(54)	(42)	(38)	(43)
San Saba	San Saba	Colorado	217	219	219	219	219	219
County-Other	San Saba	Colorado	99	131	160	178	200	225
Manufacturing	San Saba	Colorado	5	4	3	2	1	0
Livestock	San Saba	Colorado	0	0	0	0	0	0
Irrigation	San Saba	Colorado	(1,300)	(1,300)	(1,300)	(1,300)	(1,300)	(1,300)
Aqua WSC*	Travis	Colorado	78	(170)	(393)	(616)	(869)	(1,154)
Austin	Travis	Colorado	76,503	44,117	3,917	(38,380)	(76,700)	(117,467)
Barton Creek West WSC	Travis	Colorado	10	0	0	0	0	0
Barton Creek WSC	Travis	Colorado	(112)	(142)	(169)	(197)	(229)	(264)
Briarcliff	Travis	Colorado	(76)	(181)	(274)	(366)	(470)	(588)
Canyon Lake Water Service*	Travis	Colorado	(155)	(158)	(161)	(164)	(165)	(165)
Cedar Park*	Travis	Colorado	(567)	(919)	(789)	(723)	(724)	(724)
Cottonwood Creek MUD 1	Travis	Colorado	(241)	(229)	(216)	(207)	(198)	(188)
Creedmoor-Maha WSC*	Travis	Colorado	(9)	(287)	(381)	(475)	(582)	(702)
Cypress Ranch WCID 1	Travis	Colorado	494	483	483	483	483	483
Elgin	Travis	Colorado	31	(466)	(1,054)	(1,675)	(1,886)	(1,886)
Garfield WSC	Travis	Colorado	97	89	81	72	62	51
Hornsby Bend Utility	Travis	Colorado	(11)	(249)	(461)	(670)	(907)	(1,177)
Hurst Creek MUD	Travis	Colorado	552	554	554	554	554	554
Jonestown WSC	Travis	Colorado	(111)	(279)	(484)	(729)	(1,023)	(1,376)
Kelly Lane WCID 1	Travis	Colorado	(79)	(77)	(77)	(77)	(77)	(77)
Kelly Lane WCID 2	Travis	Colorado	(418)	(591)	(742)	(889)	(1,057)	(1,247)
Lago Vista	Travis	Colorado	(195)	(2,133)	(4,571)	(6,902)	(7,446)	(7,990)
Lakeside MUD 3*	Travis	Colorado	(174)	(356)	(513)	(667)	(842)	(1,040)
Lakeside WCID 1	Travis	Colorado	(254)	(298)	(338)	(377)	(422)	(473)
Lakeside WCID 2-B	Travis	Colorado	(443)	(507)	(564)	(621)	(686)	(759)
Lakeside WCID 2-C	Travis	Colorado	(542)	(745)	(922)	(1,095)	(1,292)	(1,516)
Lakeside WCID 2-D	Travis	Colorado	(659)	(901)	(1,112)	(1,318)	(1,551)	(1,818)
Lakeway MUD	Travis	Colorado	410	324	287	287	287	287
Leander*	Travis	Colorado	(3,218)	(3,901)	(3,791)	(3,957)	(3,934)	(3,919)
Loop 360 WSC	Travis	Colorado	346	361	372	376	382	389
Manor	Travis	Colorado	707	(118)	(2,114)	(2,571)	(2,988)	(3,946)

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Manville WSC*	Travis	Colorado	2,121	1,466	816	132	(675)	(1,621)
Mid-Tex Utilities	Travis	Colorado	(208)	(286)	(354)	(421)	(497)	(583)
North Austin MUD 1	Travis	Colorado	(15)	(17)	(95)	(95)	(95)	(95)
Northtown MUD	Travis	Colorado	63	142	(728)	(761)	(797)	(838)
Pflugerville	Travis	Colorado	977	96	1,062	(1,438)	(4,278)	(7,502)
Rollingwood	Travis	Colorado	719	715	(410)	(417)	(426)	(434)
Rough Hollow in Travis County	Travis	Colorado	0	2	2	2	2	2
Round Rock*	Travis	Colorado	(33)	(65)	(88)	(104)	(133)	(173)
Senna Hills MUD	Travis	Colorado	36	30	22	15	8	0
Shady Hollow MUD	Travis	Colorado	208	180	152	129	112	95
Sunset Valley	Travis	Colorado	470	472	(244)	(244)	(244)	(244)
Sweetwater Community	Travis	Colorado	201	0	0	0	0	0
Travis County MUD 10	Travis	Colorado	(5)	(41)	(72)	(103)	(137)	(176)
Travis County MUD 14	Travis	Colorado	(21)	(67)	(108)	(149)	(195)	(248)
Travis County MUD 18	Travis	Colorado	0	1	1	1	1	1
Travis County MUD 2	Travis	Colorado	(5)	(146)	(270)	(393)	(533)	(691)
Travis County MUD 4	Travis	Colorado	1,533	1,172	857	542	183	(223)
Travis County WCID 10	Travis	Colorado	(115)	(345)	(3,911)	(4,131)	(4,378)	(4,657)
Travis County WCID 17	Travis	Colorado	(1,808)	(4,524)	(6,901)	(9,253)	(11,923)	(14,953)
Travis County WCID 18	Travis	Colorado	494	498	498	498	498	498
Travis County WCID 19	Travis	Colorado	147	141	134	129	124	120
Travis County WCID 20	Travis	Colorado	380	381	381	381	381	381
Travis County WCID Point Venture	Travis	Colorado	(125)	(210)	(314)	(440)	(593)	(778)
Undine Development	Travis	Colorado	(138)	(137)	(137)	(137)	(137)	(137)
Wells Branch MUD	Travis	Colorado	(67)	(159)	(1,511)	(1,511)	(1,511)	(1,511)

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
West Travis County Public Utility Agency	Travis	Colorado	(1,190)	(4,162)	(6,966)	(9,806)	(12,772)	(15,967)
Wilbarger Creek MUD 1	Travis	Colorado	(255)	(365)	(460)	(553)	(659)	(779)
Williamson County WSID 3*	Travis	Colorado	50	92	98	103	107	110
Williamson Travis Counties MUD 1*	Travis	Colorado	19	19	19	20	19	20
Windermere Utility	Travis	Colorado	833	797	(1,443)	(1,443)	(1,443)	(1,443)
County-Other	Travis	Colorado	5,062	1,547	2,665	5,530	5,998	6,169
Manufacturing	Travis	Colorado	(8,266)	(9,984)	(12,827)	(15,524)	(16,201)	(16,903)
Mining	Travis	Colorado	2,916	3,445	4,038	4,598	5,214	5,919
Steam Electric Power	Travis	Colorado	10,277	10,277	10,277	10,277	10,277	10,277
Livestock	Travis	Colorado	117	117	117	117	117	117
Irrigation	Travis	Colorado	1,905	1,905	1,905	1,905	1,905	1,905
Creedmoor-Maha WSC*	Travis	Guadalupe	(50)	(58)	(65)	(71)	(79)	(88)
Goforth SUD*	Travis	Guadalupe	(28)	(41)	(52)	(64)	(76)	(90)
County-Other	Travis	Guadalupe	99	95	97	100	101	101
Livestock	Travis	Guadalupe	10	10	10	10	10	10
Boling MWD	Wharton	Brazos-Colorado	81	82	94	104	114	126
Wharton	Wharton	Brazos-Colorado	96	79	96	106	120	139
Wharton County WCID 2	Wharton	Brazos-Colorado	0	3	20	35	51	70
County-Other*	Wharton	Brazos-Colorado	13	25	18	20	25	29
Manufacturing*	Wharton	Brazos-Colorado	(10)	(13)	(16)	(19)	(22)	(25)
Steam Electric Power*	Wharton	Brazos-Colorado	0	0	0	0	0	0
Livestock*	Wharton	Brazos-Colorado	13	13	13	13	13	13
Irrigation*	Wharton	Brazos-Colorado	(78,954)	(75,141)	(71,432)	(67,823)	(64,311)	(60,895)
El Campo*	Wharton	Colorado	0	1	5	9	13	18
Wharton	Wharton	Colorado	275	306	343	385	431	478
County-Other*	Wharton	Colorado	164	169	165	167	168	171

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DRAFT Region K Water User Group (WUG) Needs or Surplus

			Water Supply Needs or Surplus (acre-feet per year)					
WUG Name	**County**	**Basin**	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Mining	Wharton	Colorado	25	25	25	25	25	25
Steam Electric Power*	Wharton	Colorado	0	0	0	0	0	0
Livestock*	Wharton	Colorado	59	59	59	59	59	59
Irrigation*	Wharton	Colorado	(24,338)	(22,717)	(21,140)	(19,605)	(18,111)	(16,658)
County-Other*	Wharton	Colorado-Lavaca	72	73	72	73	73	74
Livestock*	Wharton	Colorado-Lavaca	101	101	101	101	101	101
Irrigation*	Wharton	Colorado-Lavaca	8,052	8,331	8,603	8,868	9,125	9,376
County-Other*	Wharton	Lavaca	0	0	0	0	0	0
Austin	Williamson	Brazos	0	0	0	0	0	0
Brushy Creek MUD*	Williamson	Brazos	(59)	(59)	(59)	(59)	(59)	(59)
Fern Bluff MUD*	Williamson	Brazos	(25)	(26)	(26)	(26)	(27)	(27)
North Austin MUD 1	Williamson	Brazos	(115)	(137)	(884)	(884)	(884)	(884)
Wells Branch MUD	Williamson	Brazos	45	26	(70)	(74)	(74)	(74)
County-Other*	Williamson	Brazos	93	(276)	3	(113)	(642)	(2,008)
Manufacturing*	Williamson	Brazos	16	15	14	13	12	11
Mining*	Williamson	Brazos	(1,539)	(1,818)	(2,137)	(2,525)	(2,909)	(3,265)
Livestock*	Williamson	Brazos	(16)	(16)	(16)	(16)	(16)	(16)

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DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Bastrop County| Municipal WUG Type						
Existing WUG supply total	18,788	16,828	-10.4%	22,217	16,497	-25.7%
Projected demand total	19,771	19,160	-3.1%	58,760	42,435	-27.8%
Water supply needs total**	2,788	3,941	41.4%	37,368	26,353	-29.5%
Bastrop County| Manufacturing WUG Type						
Existing WUG supply total	215	500	132.6%	215	500	132.6%
Projected demand total	215	414	92.6%	215	478	122.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Bastrop County| Mining WUG Type						
Existing WUG supply total	2,664	500	-81.2%	2,196	500	-77.2%
Projected demand total	6,813	388	-94.3%	476	852	79.0%
Water supply needs total**	4,190	0	-100.0%	0	352	100.0%
Bastrop County| Steam Electric Power WUG Type						
Existing WUG supply total	10,288	10,288	0.0%	10,288	10,288	0.0%
Projected demand total	10,288	7,764	-24.5%	10,288	7,764	-24.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Bastrop County| Livestock WUG Type						
Existing WUG supply total	1,177	1,289	9.5%	1,177	1,289	9.5%
Projected demand total	1,135	1,250	10.1%	1,135	1,250	10.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Bastrop County| Irrigation WUG Type						
Existing WUG supply total	4,359	5,289	21.3%	4,304	5,289	22.9%
Projected demand total	4,280	4,761	11.2%	4,280	4,761	11.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Blanco County| Municipal WUG Type						
Existing WUG supply total	3,210	2,061	-35.8%	3,219	2,077	-35.5%

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DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	2,034	1,620	-20.4%	2,369	1,565	-33.9%
Water supply needs total**	11	50	354.5%	82	133	62.2%
Blanco County| Manufacturing WUG Type						
Existing WUG supply total	0	21	100.0%	0	21	100.0%
Projected demand total	0	16	100.0%	0	20	100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Blanco County| Mining WUG Type						
Existing WUG supply total	5	10	100.0%	5	10	100.0%
Projected demand total	5	9	80.0%	5	10	100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Blanco County| Livestock WUG Type						
Existing WUG supply total	666	666	0.0%	666	666	0.0%
Projected demand total	331	355	7.3%	331	355	7.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Blanco County| Irrigation WUG Type						
Existing WUG supply total	1,398	1,914	36.9%	1,398	1,914	36.9%
Projected demand total	1,327	1,914	44.2%	1,327	1,914	44.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Burnet County| Municipal WUG Type						
Existing WUG supply total	19,638	14,426	-26.5%	19,738	14,539	-26.3%
Projected demand total	12,682	11,227	-11.5%	19,385	15,565	-19.7%
Water supply needs total**	703	1,660	136.1%	3,752	3,907	4.1%
Burnet County| Manufacturing WUG Type						
Existing WUG supply total	512	512	0.0%	512	512	0.0%
Projected demand total	299	556	86.0%	299	580	94.0%
Water supply needs total**	0	44	100.0%	0	68	100.0%

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DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Burnet County| Mining WUG Type						
Existing WUG supply total	4,131	1,328	-67.9%	4,131	1,328	-67.9%
Projected demand total	5,412	1,029	-81.0%	9,412	1,755	-81.4%
Water supply needs total**	1,626	0	-100.0%	5,281	427	-91.9%
Burnet County| Livestock WUG Type						
Existing WUG supply total	1,691	881	-47.9%	1,691	881	-47.9%
Projected demand total	1,691	795	-53.0%	1,691	795	-53.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Burnet County| Irrigation WUG Type						
Existing WUG supply total	1,831	2,832	54.7%	1,831	2,832	54.7%
Projected demand total	1,498	1,991	32.9%	1,498	1,991	32.9%
Water supply needs total**	0	109	100.0%	0	109	100.0%
Colorado County| Municipal WUG Type						
Existing WUG supply total	4,490	4,251	-5.3%	4,490	4,251	-5.3%
Projected demand total	3,703	3,214	-13.2%	4,114	2,878	-30.0%
Water supply needs total**	106	50	-52.8%	208	3	-98.6%
Colorado County| Manufacturing WUG Type						
Existing WUG supply total	1,132	1,132	0.0%	1,132	1,132	0.0%
Projected demand total	1,132	593	-47.6%	1,132	686	-39.4%
Water supply needs total**	0	46	100.0%	0	62	100.0%
Colorado County| Mining WUG Type						
Existing WUG supply total	5,656	3,398	-39.9%	5,656	3,398	-39.9%
Projected demand total	5,378	2,773	-48.4%	5,597	3,176	-43.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Colorado County| Steam Electric Power WUG Type						
Existing WUG supply total	0	226	100.0%	0	226	100.0%

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DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	4,971	226	-95.5%	4,971	226	-95.5%
Water supply needs total**	4,971	0	-100.0%	4,971	0	-100.0%
Colorado County| Livestock WUG Type						
Existing WUG supply total	1,701	1,701	0.0%	1,701	1,701	0.0%
Projected demand total	1,276	1,279	0.2%	1,276	1,279	0.2%
Water supply needs total**	0	93	100.0%	0	93	100.0%
Colorado County| Irrigation WUG Type						
Existing WUG supply total	118,794	130,370	9.7%	118,794	130,370	9.7%
Projected demand total	168,455	162,081	-3.8%	151,048	145,272	-3.8%
Water supply needs total**	49,661	31,711	-36.1%	32,254	15,729	-51.2%
Fayette County| Municipal WUG Type						
Existing WUG supply total	5,641	4,618	-18.1%	5,652	4,575	-19.1%
Projected demand total	4,945	3,799	-23.2%	5,989	3,633	-39.3%
Water supply needs total**	562	272	-51.6%	907	629	-30.7%
Fayette County| Manufacturing WUG Type						
Existing WUG supply total	402	478	18.9%	402	478	18.9%
Projected demand total	442	399	-9.7%	442	461	4.3%
Water supply needs total**	40	0	-100.0%	40	0	-100.0%
Fayette County| Mining WUG Type						
Existing WUG supply total	1,730	934	-46.0%	1,629	934	-42.7%
Projected demand total	2,032	934	-54.0%	350	934	166.9%
Water supply needs total**	360	0	-100.0%	0	0	0.0%
Fayette County| Steam Electric Power WUG Type						
Existing WUG supply total	44,912	21,000	-53.2%	44,912	21,000	-53.2%
Projected demand total	49,211	20,052	-59.3%	49,211	20,052	-59.3%
Water supply needs total**	4,299	0	-100.0%	4,299	0	-100.0%

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DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Fayette County| Livestock WUG Type						
Existing WUG supply total	1,982	1,982	0.0%	1,982	1,982	0.0%
Projected demand total	1,726	1,693	-1.9%	1,726	1,693	-1.9%
Water supply needs total**	0	98	100.0%	0	98	100.0%
Fayette County| Irrigation WUG Type						
Existing WUG supply total	1,022	794	-22.3%	1,022	794	-22.3%
Projected demand total	828	723	-12.7%	828	723	-12.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Gillespie County| Municipal WUG Type						
Existing WUG supply total	6,848	5,864	-14.4%	6,848	5,864	-14.4%
Projected demand total	5,351	5,016	-6.3%	6,506	6,039	-7.2%
Water supply needs total**	0	0	0.0%	0	302	100.0%
Gillespie County| Manufacturing WUG Type						
Existing WUG supply total	740	582	-21.4%	740	582	-21.4%
Projected demand total	93	388	317.2%	93	448	381.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Gillespie County| Mining WUG Type						
Existing WUG supply total	55	17	-69.1%	55	17	-69.1%
Projected demand total	4	19	375.0%	4	24	500.0%
Water supply needs total**	0	2	100.0%	0	7	100.0%
Gillespie County| Livestock WUG Type						
Existing WUG supply total	1,612	1,002	-37.8%	1,612	1,002	-37.8%
Projected demand total	1,212	1,002	-17.3%	1,212	1,002	-17.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Gillespie County| Irrigation WUG Type						
Existing WUG supply total	2,502	2,502	0.0%	2,502	2,502	0.0%

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DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	2,383	2,458	3.1%	2,383	2,458	3.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Municipal WUG Type						
Existing WUG supply total	15,598	15,896	1.9%	18,545	18,052	-2.7%
Projected demand total	15,026	17,856	18.8%	35,806	61,814	72.6%
Water supply needs total**	1,664	2,139	28.5%	17,411	43,820	151.7%
Hays County| Manufacturing WUG Type						
Existing WUG supply total	468	114	-75.6%	468	114	-75.6%
Projected demand total	324	78	-75.9%	324	106	-67.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Mining WUG Type						
Existing WUG supply total	314	807	157.0%	314	807	157.0%
Projected demand total	1,075	959	-10.8%	1,893	1,074	-43.3%
Water supply needs total**	761	152	-80.0%	1,579	267	-83.1%
Hays County| Steam Electric Power WUG Type						
Existing WUG supply total	1,698	0	-100.0%	1,698	0	-100.0%
Projected demand total	1,187	0	-100.0%	1,187	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Livestock WUG Type						
Existing WUG supply total	920	920	0.0%	920	920	0.0%
Projected demand total	17	116	582.4%	17	116	582.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Irrigation WUG Type						
Existing WUG supply total	782	383	-51.0%	782	383	-51.0%
Projected demand total	525	383	-27.0%	525	383	-27.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%

*The 2030 and 2070 planning decades are used in this comparison because they represent the earliest and latest planning decades in both the 2021 and 2026 RWPs

**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Llano County| Municipal WUG Type						
Existing WUG supply total	7,207	5,313	-26.3%	7,207	5,308	-26.3%
Projected demand total	4,713	4,361	-7.5%	4,691	5,170	10.2%
Water supply needs total**	620	898	44.8%	642	1,233	92.1%
Llano County| Manufacturing WUG Type						
Existing WUG supply total	4	4	0.0%	4	4	0.0%
Projected demand total	4	3	-25.0%	4	3	-25.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Llano County| Mining WUG Type						
Existing WUG supply total	3	2,214	73700.0%	3	275	9066.7%
Projected demand total	3	2,214	73700.0%	3	262	8633.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Llano County| Steam Electric Power WUG Type						
Existing WUG supply total	1,748	1,748	0.0%	1,748	1,748	0.0%
Projected demand total	1,748	1,927	10.2%	1,748	1,927	10.2%
Water supply needs total**	0	179	100.0%	0	179	100.0%
Llano County| Livestock WUG Type						
Existing WUG supply total	751	751	0.0%	751	751	0.0%
Projected demand total	580	628	8.3%	580	628	8.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Llano County| Irrigation WUG Type						
Existing WUG supply total	1,914	2,035	6.3%	1,914	2,035	6.3%
Projected demand total	998	648	-35.1%	998	648	-35.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Matagorda County| Municipal WUG Type						
Existing WUG supply total	7,195	6,617	-8.0%	7,195	6,617	-8.0%

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**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	5,233	4,511	-13.8%	5,442	3,904	-28.3%
Water supply needs total**	57	24	-57.9%	198	19	-90.4%
Matagorda County| Manufacturing WUG Type						
Existing WUG supply total	18,531	15,786	-14.8%	18,531	15,786	-14.8%
Projected demand total	4,916	36,678	646.1%	4,916	37,832	669.6%
Water supply needs total**	0	20,892	100.0%	0	22,046	100.0%
Matagorda County| Mining WUG Type						
Existing WUG supply total	100	1	-99.0%	100	1	-99.0%
Projected demand total	100	1	-99.0%	22	1	-95.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Matagorda County| Steam Electric Power WUG Type						
Existing WUG supply total	69,260	69,260	0.0%	69,260	69,260	0.0%
Projected demand total	80,536	67,453	-16.2%	80,536	67,453	-16.2%
Water supply needs total**	11,276	0	-100.0%	11,276	0	-100.0%
Matagorda County| Livestock WUG Type						
Existing WUG supply total	1,217	1,255	3.1%	1,217	1,255	3.1%
Projected demand total	1,075	959	-10.8%	1,075	959	-10.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Matagorda County| Irrigation WUG Type						
Existing WUG supply total	68,366	53,911	-21.1%	68,366	53,911	-21.1%
Projected demand total	186,434	165,964	-11.0%	167,169	148,753	-11.0%
Water supply needs total**	118,068	112,053	-5.1%	98,803	94,842	-4.0%
Mills County| Municipal WUG Type						
Existing WUG supply total	942	618	-34.4%	943	618	-34.5%
Projected demand total	766	951	24.2%	851	814	-4.3%
Water supply needs total**	0	420	100.0%	19	399	2000.0%

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**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Mills County| Manufacturing WUG Type						
Existing WUG supply total	2	2	0.0%	2	2	0.0%
Projected demand total	2	2	0.0%	2	2	0.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Mills County| Mining WUG Type						
Existing WUG supply total	4	4	0.0%	4	4	0.0%
Projected demand total	4	108	2600.0%	4	124	3000.0%
Water supply needs total**	0	104	100.0%	0	120	100.0%
Mills County| Livestock WUG Type						
Existing WUG supply total	931	968	4.0%	931	1,650	77.2%
Projected demand total	863	822	-4.8%	863	822	-4.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Mills County| Irrigation WUG Type						
Existing WUG supply total	3,629	1,527	-57.9%	3,629	1,527	-57.9%
Projected demand total	4,743	4,515	-4.8%	4,743	4,515	-4.8%
Water supply needs total**	1,737	3,084	77.5%	1,737	3,084	77.5%
San Saba County| Municipal WUG Type						
Existing WUG supply total	2,000	1,995	-0.3%	2,002	1,995	-0.3%
Projected demand total	1,873	1,703	-9.1%	1,908	1,519	-20.4%
Water supply needs total**	0	93	100.0%	0	38	100.0%
San Saba County| Manufacturing WUG Type						
Existing WUG supply total	12	24	100.0%	12	24	100.0%
Projected demand total	12	19	58.3%	12	23	91.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Saba County| Mining WUG Type						
Existing WUG supply total	1,539	0	-100.0%	1,539	0	-100.0%

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**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	1,093	0	-100.0%	838	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Saba County| Livestock WUG Type						
Existing WUG supply total	1,218	893	-26.7%	1,218	893	-26.7%
Projected demand total	779	893	14.6%	779	893	14.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
San Saba County| Irrigation WUG Type						
Existing WUG supply total	7,222	6,787	-6.0%	7,222	6,787	-6.0%
Projected demand total	7,199	8,087	12.3%	7,199	8,087	12.3%
Water supply needs total**	0	1,300	100.0%	0	1,300	100.0%
Travis County| Municipal WUG Type						
Existing WUG supply total	378,035	367,195	-2.9%	364,114	334,286	-8.2%
Projected demand total	273,547	285,882	4.5%	393,494	470,613	19.6%
Water supply needs total**	6,867	11,327	64.9%	43,787	145,629	232.6%
Travis County| Manufacturing WUG Type						
Existing WUG supply total	14,853	11,097	-25.3%	15,595	13,228	-15.2%
Projected demand total	14,853	19,363	30.4%	14,853	29,429	98.1%
Water supply needs total**	0	8,266	100.0%	0	16,201	100.0%
Travis County| Mining WUG Type						
Existing WUG supply total	4,108	3,467	-15.6%	6,817	5,986	-12.2%
Projected demand total	4,108	551	-86.6%	6,817	772	-88.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Travis County| Steam Electric Power WUG Type						
Existing WUG supply total	14,393	14,393	0.0%	14,393	14,393	0.0%
Projected demand total	10,253	4,116	-59.9%	10,253	4,116	-59.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%

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**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Travis County| Livestock WUG Type						
Existing WUG supply total	527	527	0.0%	527	527	0.0%
Projected demand total	527	400	-24.1%	527	400	-24.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Travis County| Irrigation WUG Type						
Existing WUG supply total	5,724	5,966	4.2%	5,724	5,966	4.2%
Projected demand total	4,816	4,061	-15.7%	4,816	4,061	-15.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Wharton County| Municipal WUG Type						
Existing WUG supply total	5,531	4,421	-20.1%	5,531	4,421	-20.1%
Projected demand total	4,295	3,720	-13.4%	4,829	3,426	-29.1%
Water supply needs total**	0	0	0.0%	242	0	-100.0%
Wharton County| Manufacturing WUG Type						
Existing WUG supply total	171	69	-59.6%	171	69	-59.6%
Projected demand total	171	79	-53.8%	171	91	-46.8%
Water supply needs total**	0	10	100.0%	0	22	100.0%
Wharton County| Mining WUG Type						
Existing WUG supply total	74	27	-63.5%	74	27	-63.5%
Projected demand total	74	2	-97.3%	17	2	-88.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Wharton County| Steam Electric Power WUG Type						
Existing WUG supply total	7,901	7,913	0.2%	7,901	7,913	0.2%
Projected demand total	7,901	7,913	0.2%	7,901	7,913	0.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Wharton County| Livestock WUG Type						
Existing WUG supply total	953	953	0.0%	953	953	0.0%

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**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Water User Group (WUG) Data Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Projected demand total	792	780	-1.5%	792	780	-1.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Wharton County| Irrigation WUG Type						
Existing WUG supply total	114,023	116,351	2.0%	114,023	116,351	2.0%
Projected demand total	184,023	211,591	15.0%	165,008	189,648	14.9%
Water supply needs total**	70,456	103,292	46.6%	53,144	82,422	55.1%
Williamson County| Municipal WUG Type						
Existing WUG supply total	14,659	17,106	16.7%	24,875	42,030	69.0%
Projected demand total	14,659	17,167	17.1%	25,644	43,716	70.5%
Water supply needs total**	0	199	100.0%	785	1,686	114.8%
Williamson County| Manufacturing WUG Type						
Existing WUG supply total	30	30	0.0%	30	30	0.0%
Projected demand total	30	14	-53.3%	30	18	-40.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Williamson County| Mining WUG Type						
Existing WUG supply total	5	5	0.0%	5	5	0.0%
Projected demand total	3	1,544	51366.7%	3	2,914	97033.3%
Water supply needs total**	0	1,539	100.0%	0	2,909	100.0%
Williamson County| Livestock WUG Type						
Projected demand total	0	16	100.0%	0	16	100.0%
Water supply needs total**	0	16	100.0%	0	16	100.0%
Region K Total						
Existing WUG supply total	1,044,354	979,549	-6.2%	1,049,975	976,863	-7.0%
Projected demand total	1,162,803	1,138,936	-2.1%	1,307,643	1,378,821	5.4%
Water supply needs total**	280,823	304,063	8.3%	318,785	464,504	45.7%

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**WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The needs shown in the WUG Data Comparison to 2021 RWP report are calculated by first deducting the WUG split's projected demand from its total existing water supply volume. If the WUG split has a greater existing supply volume than projected demand in any given decade, this amount is considered a surplus volume. Before aggregating the difference between supplies and demands to the WUG county and category level, calculated surpluses are updated to zero so that only the WUGs with needs in the decade are included with the water supply needs totals.

DRAFT Region K 2026 Regional Water Plan (RWP)
Source Availability Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Bastrop County						
Groundwater availability total	31,010	52,959	70.8%	35,825	72,662	102.8%
Surface Water availability total	1,706	943	-44.7%	1,706	943	-44.7%
Blanco County						
Groundwater availability total	5,100	4,185	-17.9%	5,100	4,185	-17.9%
Surface Water availability total	306	880	187.6%	306	880	187.6%
Burnet County						
Groundwater availability total	24,968	24,983	0.1%	24,968	24,983	0.1%
Reuse availability total	2,200	2,200	0.0%	2,200	2,200	0.0%
Surface Water availability total	3,021	2,392	-20.8%	3,021	2,392	-20.8%
Colorado County						
Groundwater availability total	75,882	72,583	-4.3%	72,536	72,583	0.1%
Surface Water availability total	136,067	131,495	-3.4%	136,067	131,495	-3.4%
Fayette County						
Groundwater availability total	22,956	28,861	25.7%	22,932	30,298	32.1%
Surface Water availability total	2,452	1,908	-22.2%	2,452	1,908	-22.2%
Gillespie County						
Groundwater availability total	13,024	13,024	0.0%	13,024	13,024	0.0%
Surface Water availability total	1,585	735	-53.6%	1,585	735	-53.6%
Hays County						
Groundwater availability total	8,054	12,990	61.3%	8,053	12,990	61.3%
Reuse availability total	1,120	100	-91.1%	1,680	1,680	0.0%
Surface Water availability total	261	220	-15.7%	261	220	-15.7%
Llano County						
Groundwater availability total	3,058	2,651	-13.3%	3,058	2,651	-13.3%
Reuse availability total	589	589	0.0%	589	589	0.0%
Surface Water availability total	1,125	669	-40.5%	1,125	669	-40.5%
Matagorda County						
Groundwater availability total	38,828	38,892	0.2%	38,828	38,892	0.2%
Surface Water availability total	99,087	79,236	-20.0%	99,087	79,236	-20.0%

*The 2030 and 2070 planning decades are used in this comparison because they represent the earliest and latest planning decades in both the 2021 and 2026 RWPs.

**Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

DRAFT Region K 2026 Regional Water Plan (RWP)
Source Availability Comparison to 2021 RWP

Water Volumes Shown in Acre-Feet per year

	2030 Planning Decade*			2070 Planning Decade*		
	2021 RWP	2026 RWP	Difference (%)	2021 RWP	2026 RWP	Difference (%)
Mills County						
Groundwater availability total	3,030	3,039	0.3%	3,030	3,039	0.3%
Surface Water availability total	3,059	872	-71.5%	3,059	872	-71.5%
Reservoir County**						
Surface Water availability total	418,046	410,269	-1.9%	415,124	402,993	-2.9%
San Saba County						
Groundwater availability total	19,913	19,932	0.1%	19,913	19,932	0.1%
Surface Water availability total	9,700	1,329	-86.3%	9,700	1,329	-86.3%
Travis County						
Groundwater availability total	30,048	35,916	19.5%	29,991	35,859	19.6%
Reuse availability total	9,778	9,778	0.0%	9,778	9,778	0.0%
Surface Water availability total	218,608	193,932	-11.3%	218,608	194,155	-11.2%
Wharton County						
Groundwater availability total	103,212	103,280	0.1%	103,212	103,280	0.1%
Surface Water availability total	15,460	1,715	-88.9%	15,460	1,715	-88.9%
Williamson County						
Groundwater availability total	77	25	-67.5%	77	25	-67.5%
Surface Water availability total	1	1	0.0%	1	1	0.0%
Region K Total						
Groundwater availability total	379,160	413,320	9.0%	380,547	434,403	14.2%
Reuse availability total	13,687	12,667	-7.5%	14,247	14,247	0.0%
Surface Water availability total	910,484	826,596	-9.2%	907,562	819,543	-9.7%

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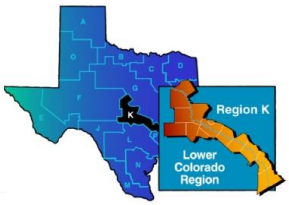
**Since reservoir sources can exist across multiple counties, the county field value, 'reservoir' is applied to all reservoir sources.

Appendix B

Region K Hydrologic Variance Request submitted - October 11, 2023

Region K Hydrologic Variance Approval Letter from TWDB - January 10, 2024



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Barbara Johnson
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Ann McElroy
Charles Olfers
Rob Ruggiero
Mitchell Sodek
Paul Sliva
Jim Totten
Paul Tybor
Emil Uecker
Jennifer Walker

COUNTIES

Bastrop
Blanco
Burnet
Colorado
Fayette
Gillespie
Hays (partial)
Llano
Matagorda
Mills
San Saba
Travis
Wharton (partial)
Williamson (partial)

October 11, 2023

TO: Mr. Jeff Walker, Executive Administrator
Texas Water Development Board (TWDB)
P.O. Box 13231
1700 North Congress Avenue
Austin, Texas 78711-3231

FROM: **David Van Dresar, Lower Colorado Regional Water Planning Group (Region K) Chair**

SUBJECT: **Surface Water Hydrologic Variance Request**

On October 4, 2023, the Lower Colorado Regional Water Planning Group (Region K) authorized submitting this surface water hydrologic variance request to Texas Water Development Board (TWDB) for approval. Region K is requesting approval to use the Region K Cutoff Model (Cutoff Model) in determining availability of surface water resources and analyzing water management strategies for development of the 2026 Region K Regional Water Plan (RWP). Attached are the completed Surface Water Hydrologic Variance Request Checklist and a table for additional detail.

In the development of the 2011 Region K RWP, Region K determined that the standard Texas Commission on Environmental Quality (TCEQ) Full Authorization Water Availability Model (WAM) did not adequately reflect the historical operation of water rights and existing contractual commitments in the Colorado River Basin. Region K subsequently requested and received TWDB's approval to use a modified version of the TCEQ Full Authorization WAM, known as the Cutoff Model, in determining surface water availability and water management strategy analysis for the 2011 RWP.

Region K again requested to use the Cutoff Model for the 2016 Region K RWP, after making some updates that reflected new data and changed conditions within the basin. That request was also approved by TWDB, with limitations identified for water management strategy analysis. The Cutoff Model used for the 2021 RWP used the same assumptions as approved previously by TWDB plus some limited revisions.

Region K is requesting to use the same basic Cutoff Model assumptions with limited revisions to the assumptions used in the 2021 RWP. The attached **Surface Water Hydrologic Variance Request Checklist** provides detail on TWDB's standardized set of questions for each river basin. The attached **Table A – Summary of Region K Modeling Assumptions** outlines all of the major assumptions and identifies where a change to an assumption has been made since the 2021 RWP. It also indicates which section of TWDB's HVR Checklist correlates to each assumptions (if applicable).

There are two basic purposes for applying a Water Availability Model (WAM) in the context of regional water planning. One is to establish the available firm supply of surface water under drought of record conditions for each individual existing surface water right and for each decade of the planning period. The second is to analyze potential water management strategies for meeting projected future water demand by decade, including

strategies that potentially involve new appropriations of state water. When the Cutoff Model is applied for these specific purposes, Region K has adopted the nomenclature of "**Region K Supply Evaluation Model**" and "**Region K Strategy Evaluation Model**" to differentiate between the selections of Cutoff Model assumptions as shown in Table A. The unmodified TCEQ Full Authorization WAM is used in addition to the Strategy Evaluation Model if a water management strategy involves a new appropriation of state water.

REGION K SUPPLY EVALUATION MODEL

Region K requests to perform water supply availability analyses using the Supply Evaluation Model. This model reflects historical and current water management operations in the basin with regard to existing water rights, and as such, it provides the best informed representation of available water supplies during drought of record conditions for water rights within the Region K planning area. The basic assumptions that differ from those included in the standard TCEQ Colorado WAM Full Authorization WAM are outlined in **Table A – Summary of Region K Modeling Assumptions**.

REGION K NEW APPROPRIATION MODEL

The analysis of potential surface water-based water management strategies can involve different WAM modeling approaches depending on the nature of a particular strategy and the purpose for which the analysis is being made. For a strategy that requires a new appropriation of surface water from TCEQ, the amount of water that the strategy is capable of producing under drought of record conditions is first determined under the same permitting assumptions used by TCEQ. This means that the strategy should be analyzed using TCEQ's standard Full Authorization WAM as it currently exists with all existing water rights in the entire Colorado River Basin fully exercised in accordance with their authorized impoundment and diversion amounts and with no return flows. The basic assumptions of this Region K "New Appropriation Model" are outlined in the attached **Table A Column 2**.

REGION K STRATEGY EVALUATION MODEL

The Region K "Strategy Evaluation Model" is used for surface water-based water management strategy evaluation. This includes both surface water-based strategies that require a new appropriation and those that rely on an existing water right. Once included in the Strategy Evaluation Model, these new sources of supply then would be available to meet the projected demands for specific water users at different decades in the future. The basic assumptions for the Strategy Evaluation Model for these types of strategy planning simulations are listed in the attached **Table A Column 3**.

RECOGNITION OF IMPACTS OF CURRENT DROUGHT

At the time of this Hydrologic Variance Request (HVR), Region K is experiencing an extraordinary multi-year drought. Inflows to the Highland Lakes, on a monthly and calendar year basis, have recently been the lowest in the period of record back to 1942. However, the current drought has still not been determined to be worse than the 2010s drought which is recognized by Region K as the drought of record for planning purposes. Region K has discussed including information about current drought conditions in Chapters 3 and 7 of the plan report. As the region's naturalized flows are updated and additional hydrological information becomes available, Region K will plan to update its models to reflect this information for future planning rounds.

For this round of planning, Region K intends to use the regional water planning Drought Task (Task/Chapter 7), including Section 7.2 regarding Uncertainty and Drought(s) Worse than the Drought of Record, to advance the plan's scope in this critical arena. Region K intends to request additional TWDB funding for a study to be completed prior to the next round of planning to assess methods of quantification of uncertainty and drought(s) worse than the Drought of Record, including safe yield and other approaches. Through the Region K Policy Committee process, the planning group will consider expanding upon its 2021 RWP policy statement on Planning for Droughts Worse than the Drought of Record. This may include requesting that the Legislature increase funding for planning for uncertainty and droughts worse than the drought of record in a quantified manner.

CONCLUSION

We believe that the WAM modeling approach outlined above is consistent with directives from TWDB regarding regional water planning and meets the requirements of TCEQ with regard to how strategies involving potential new appropriations of surface water are analyzed and represented in the regional planning process. Furthermore, we believe that this approach will provide the best-informed estimates of future available surface water supplies that reflect historical water management operations in the basin with regard to existing water rights.

We appreciate your consideration of this submittal. If you have any questions about this request, please contact me as shown below.

Respectfully submitted,

David Van Dresar
Region K Chairman
david@fayettecountygroundwater.com

Enclosures: Table A - Summary of Region K Cutoff Model Modeling Assumptions
Surface Water Hydrologic Variance Checklist

Cc: Lann Bookout, TWDB
Teresa Lutes, Region K Water Modeling Committee Chair
Neil Deeds, INTERA

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

January 10, 2024

David Van Dresar
Region K Chair
Lower Colorado (Region K) Regional Water Planning Group
5251 Mueller Road
La Grange, Texas 78945

Dear Chairman Van Dresar:

I have reviewed your request dated October 11, 2023, for approval of alternative water supply assumptions to be used in determining existing and future surface water availability. This letter confirms that the TWDB approves use of the Region K Cutoff Model . The following assumptions for the Cutoff Model that require a variance are approved:

1. Use the Region K Cutoff Model, which is TCEQ's Colorado Basin WAM modified to simulate all rights at and above Lake Ivie and Lake Brownwood prior to downstream rights for existing and strategy supply analysis.
2. Correct the WAM input file for errors regarding the spatial location and assignment of net evaporation data for Twin Buttes Reservoir and Lake Nasworthy for existing and strategy supplies.
3. Remove LCRA 2020 Water Management Plan interruptible water supply and environmental flow criteria for existing supply firm yield analysis. For existing supply firm yield evaluation, the environmental flow commitment will be replaced with a 34,440 acre-feet per year firm commitment from the calculated combined firm yield of Lakes Buchanan and Travis.
4. Include provisions of LCRA-South Texas Nuclear Project 2006 Settlement Agreement for existing and strategy supply analysis.
5. Add any permits and amendments not yet included in the Colorado WAM as of 2023 for existing and strategy supply analysis.
6. Modify curtailment of Highland Lakes interruptible water as necessary to satisfy future LCRA firm municipal and industrial demands for strategy supply analysis.
7. Set all Region K municipal and industrial water right demands at projected future demand amounts by decade for strategy supply analysis.
8. Set LCRA lower basin irrigation demands equal to projected future demands by decade for strategy supply analysis.
9. Include LCRA irrigation return flows to the Colorado River, return flows from Austin wastewater treatment plants, and other municipal and industrial return flows when evaluating indirect reuse of those flows as a strategy.

Our Mission
Leading the state's efforts in ensuring a secure water future for Texas

Board Members
Brooke T. Paup, Chairwoman | George B. Peyton V, Board Member | L'Oreal Stepney, P.E., Board Member
Jeff Walker, Executive Administrator

10. Include reuse provisions and environmental flow requirements of LCRA-Austin 2007 Settlement Agreement when evaluating reuse strategy supplies.

While the use of these modified conditions may be reasonable for planning purposes, WAM RUN3 would be utilized by the Texas Commission on Environmental Quality for analyzing permit applications. It is acceptable to use the modified conditions for WMS supply evaluations only if the yield produced is more conservative (less) for surface water appropriations than WAM RUN3.

While the TWDB authorizes these modification to evaluate existing and future water supplies for development of the 2026 Region K RWP, it is the responsibility of the RWPG to ensure that the resulting estimates of water availability are reasonable for drought planning purposes and will reflect conditions expected in the event of actual drought conditions; and in all other regards will be evaluated in accordance with the most recent version of regional water planning contract Exhibit C, *General Guidelines for Development of the 2026 Regional Water Plans.*

Please do not hesitate to contact Lann Bookout of our Regional Water Planning staff at 512-936-9439 or lann.bookout@twdb.texas.gov if you have any questions.

Sincerely,

Matt Nelson
Deputy Executive Administrator

c: Monica Masters, Lower Colorado River Authority
Teresa Lutes, City of Austin (Region K Water Modeling Committee Chair)
Neil Deeds, INTERA
Lann Bookout, Water Supply Planning
Sarah Lee, Water Supply Planning
Nelun Fernando, Ph.D., Surface Water
Lissa Gregg, Freese and Nichols, Inc (Region F Consultant)

Appendix C

List of potentially feasible Water Management Strategies identified to date

Template for Scoping Currently Contracted Task 5B Funding for Region-Specific Subtasks (See Exhibit C Section 2.5.6)

Strategy Type(s)																				
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater DirIp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	Region	Overall TWDB Task Number	SubTask WMS evaluation number	SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget ($)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E
	X									K	**5B**	1	Drought Management	Drought management strategy evaluations will be updated based on existing drought contingency plans. Re-assessments of whether drought management is an appropriate strategy for a particular WUG will be performed based on the conditions under which the base GPCD demand numbers were determined. Drought Management will be considered for all municipal WUGs, and other WUGs with needs.	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface.	$ 30,000	Municipal WUGs; other WUGs with needs	Yes, new municipal WUGs and potential updated Drought Contingency Plans	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
	X									K	**5B**	2	Basic and Advanced Water Conservation Strategies	Basic and Advanced Conservation WMS may be evaluated for all water use categories including Municipal, Industrial, Irrigation, Livestock, Mining, and Steam-Electric. Success of conservation implementation during 2011 (dry year) and other years will be evaluated and used to help establish highest practicable levels of conservation. Assessments of whether conservation is an appropriate strategy for a particular WUG will be performed based on the conditions under which the base GPCD demand numbers were determined. All strategies will be assessed to determine needs, applicable participants, costs, social and environmental impacts, and DOR firm yield. GIS exhibits may be developed. Cost estimates will be developed utilizing TWDB costing tool modified as appropriate to Region K. Conservation WMS may include, but are not limited to: technology-based conservation programs, rebates, and water-efficient irrigation. As is required, these RWPG recommendations shall be assumed to be the "highest practicable level" of conservation for WUGs that are dependent upon WMSs involving an interbasin transfer(s). Each WMSP with a capital cost will be presented separately in the 2026 Plan and DB27.	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 40,000	Municipal and Irrigation WUGs; possibly others with needs	Yes, new municipal WUGs; public input request to consider new methodology; available conservation quantification study	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
		X								K	**5B**	3	Expand Local Use of Groundwater	Strategy will evaluate whether additional groundwater is available to meet water needs for entities currently using groundwater. MAG values will be considered and potential MAG Peak Factors may be considered, as directed by the RWPG, and correlated with identified WUG needs. All strategies will be assessed to determine needs, applicable participants, costs, social and environmental impacts, and DOR firm yield. GIS exhibits will be developed. Cost estimates will be developed utilizing TWDB costing tool modified as appropriate to Region K. Aquifers to be considered may include five major, seven minor, and other aquifers located within Region K.	Updated WMS documentation will include discussion of strategy, firm DOR yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 35,000	WUGs that are currently served by groundwater and looking to expand the amount of groundwater they use from a specific source.	Yes, new municipal WUGs, MAG volume changes, and potential introduction of MAG Peak Factor	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
									X		5B	4	Documentation and Database Entry – DB27	Compile and report regional data in DB27 for integration into WMS Technical Memorandums and Regional Water Plans. Data management, submission via the DB27 interface, adherence to TWDB specifications, and compliance with data entry deadlines set by TWDB. Quality assurance, documentation, reporting, and compliance with contract requirements.	Documentation of regional data and data entry in DB27	$ 25,000	All WUGs and major water providers	No	February 13, 2024 Region K meeting	No	No

Strategy Type(s)																			
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater DirIp	Reuse	New Major Reservoir	Other Surface Water	Seawater Desal	Conjunctive Use	Other WMS (Subordination, etc)	Region	Overall TWDB Task Number	SubTask WMS evaluation number	SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget ($)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E
				X							**5B**	5	Expanded Reuse through: Direct Nonpotable Direct Potable Indirect Potable	Review previously recommended reuse WMSs and identify additional strategies that WUGs are considering. Evaluate whether the project sponsors have made changes in proposed strategies. Update water supply volumes, cost estimates, and yield allocations accordingly.	Updated engineering and costing considerations as appropriate to meet requirements for the sixth cycle of planning; and update corresponding data through the DB27 interface.	$ 40,000	LCRA, AUSTIN, BUDA, DRIPPING SPRINGS WSC, LLANO, WEST TRAVIS COUNTY PUA, MARBLE FALLS, BLANCO, HORSESHOE BAY, MEADOWLAKES, FREDERICKSBURG, LAGO VISTA, LAKEWAY MUD	Yes - Incorporate updates requested by project sponsor, if applicable.	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
											5B	6				$ -					
											5B	7				$ -					
											5B	8				$ -					
											5B	9				$ -					
														REGION-SPECIFIC SUBTASKS TOTAL BUDGET		**$ 170,000**					

February 13, 2024

10:00 AM

Region K Planning Group Meeting

REGION K

THE LOWER COLORADO REGIONAL WATER PLANNING GROUP

INTERA

PLUMMER

FREESE AND NICHOLS

Blanton & Associates

Agenda Item 10

Presentation of Task 4C: Draft Technical Memorandum

INTERA

9600 Great Hills Trail, Suite 300W
Austin, Texas 78759 USA
512 425 2000
INTERA.COM

DRAFT TECHNICAL MEMORANDUM

TO: Texas Water Development Board

FROM: Neil Deeds, PhD, PE, PG., INTERA
Adam Conner, PMP, CFM, Freese and Nichols
Robert Adams, DE, PE, Plummer

CC: Lower Colorado Regional Water Planning Group

DATE: March 1, 2024

RE: Task 4C – Technical Memorandum

1 Introduction

The Lower Colorado Regional Water Planning Area (LCRWPA) is composed of all or parts of 14 counties, stretching from Mills County in the Hill Country southeast to the Texas Gulf Coast. This Technical Memorandum is a description of the work performed to date as part of the regional water planning process to develop the 2026 Region K Water Plan for the LCRWPA. It has been prepared for the Texas Water Development Board (TWDB) as a deliverable associated with Task 4C.

The TWDB provides requirements for the Task 4C Technical Memorandum that must be met to make the deliverable administratively complete. The table below provides a cross-reference for each of the items to where they can be found in this memorandum. Some of the requirements have been summarized to fit more easily in the table.

Requirement	Memo Section
1. Two electronic copies of the Technical Memorandum, one (1) in searchable PDF and one (1) in Microsoft Word format	Electronic Deliverable: \Memo
2. Electronic copies (in PDF format) of SARA 2026 RWP27 Data Reports 1-5 and 7-8	Electronic Deliverable: \Data_Reports Appendix A: RWP27 Data Reports
3. The documented process used by the RWPG to identify potentially feasible Water Management Strategies (WMS)s	Section 6.1 Documented Process for Identifying Potentially Feasible WMSs
4. A list of all potentially feasible WMSs identified by the RWPG to date	Section 6.2 List of Feasible WMSs Identified to Date

INTERA
PLUMMER
FREESE AND NICHOLS
Blanton & Associates

Task 4C: Draft Technical Memorandum

- Region must submit a Task 4C Technical Memorandum by **March 4, 2024**.
- The memorandum contains a SNAPSHOT IN TIME (not final) of database reports covering
  - Population Projections
  - Water Demands
  - Water Sources
  - Existing Water Supplies
  - Identified Water Needs
  - Comparisons to the 2021 Regional Water Plan.
- Other Requirements
  - Infeasible Water Management Strategies (we had none, as presented last meeting)
  - Process for Identifying Feasible Water Management Strategies (as presented and approved in last meeting)
  - Interregional coordination (we have been meeting bi-weekly, and now weekly with G, K, and L teams)
- Public comments on the memorandum are accepted from January 29, 2024, through the public RWPG meeting on February 13, 2024.

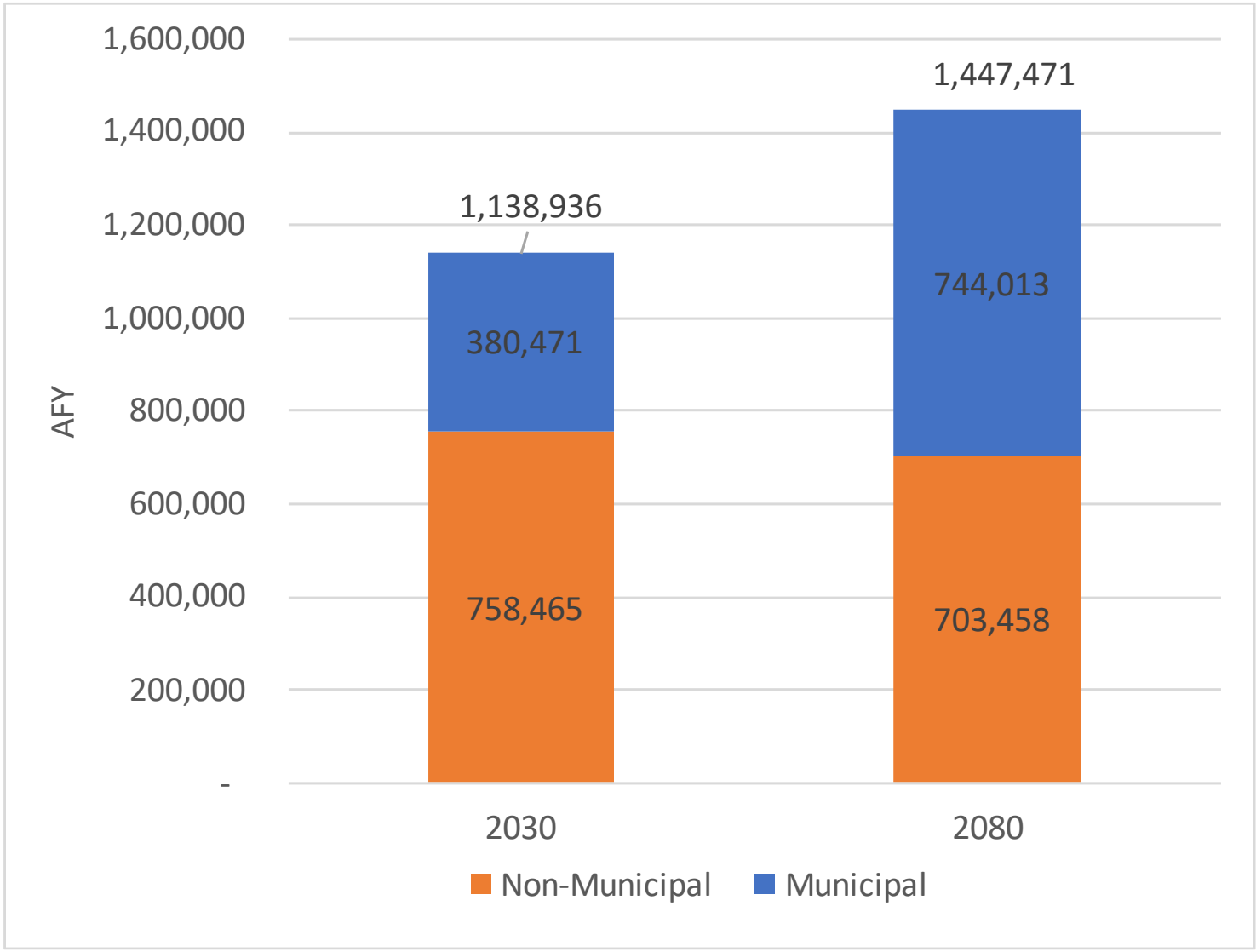
Task 4C: Requirements

Requirements and how they are met summarized in the first table in the memo

Requirement	Memo Section
1. Two electronic copies of the Technical Memorandum, one (1) in searchable PDF and one (1) in Microsoft Word format	Electronic Deliverable: \Memo
2. Electronic copies (in PDF format) of SARA 2026 RWP27 Data Reports 1-5 and 7-8	Electronic Deliverable: \Data_Reports Appendix A: RWP27 Data Reports
3. The documented process used by the RWPG to identify potentially feasible Water Management Strategies (WMS)s	Section 6.1 Documented Process for Identifying Potentially Feasible WMSs
4. A list of all potentially feasible WMSs identified by the RWPG to date	Section 6.2 List of Feasible WMSs Identified to Date
5. A copy of any hydrologic variance requests submitted by the region to the TWDB and a copy of the TWDB's approval of any hydrologic variances to date. For approved TCEQ WAM modifications or alternative surface water models, a table must be included showing the original unmodified firm yield along with the alternative availability utilized as the basis for planning.	Section 3.1.1 Hydrologic Variance Request Appendix B: Hydrologic Variance Request
6. Documentation of the methodology utilized for calculating the anticipated sedimentation rate and revising the area-capacity rating curve.	Section 3.1.2 Methodology for Calculating Sedimentation Rate
7. A table providing the details of any hydrologic models used, including the model name, version date, model input/output files used, date model used, and any relevant comments.	Section 3.1.3 Hydrologic Modeling
8. Documentation of methodologies utilized for RWPG-estimated groundwater availabilities to date, including at minimum, a table providing the aquifer, county, and methodology description	Section 3.2 Groundwater Availability
9. A summary of the region's interregional coordination efforts to date	Section 7 Summary of Interregional Coordination Efforts To Date
10. A list of infeasible WMSs and WMSPs from the region's 2021 Regional Water Plan, identified in accordance with Texas Water Code §16.053(h)(10) or a statement that no infeasible WMS or WMSPs were identified.	Section 6.3 List of infeasible Water Management Strategies and Water Management Strategy Projects from the 2021 Region K Plan
11. All electronic model input/output or other model files used to date in determining water availability.	Electronic Deliverable: \Model_Files

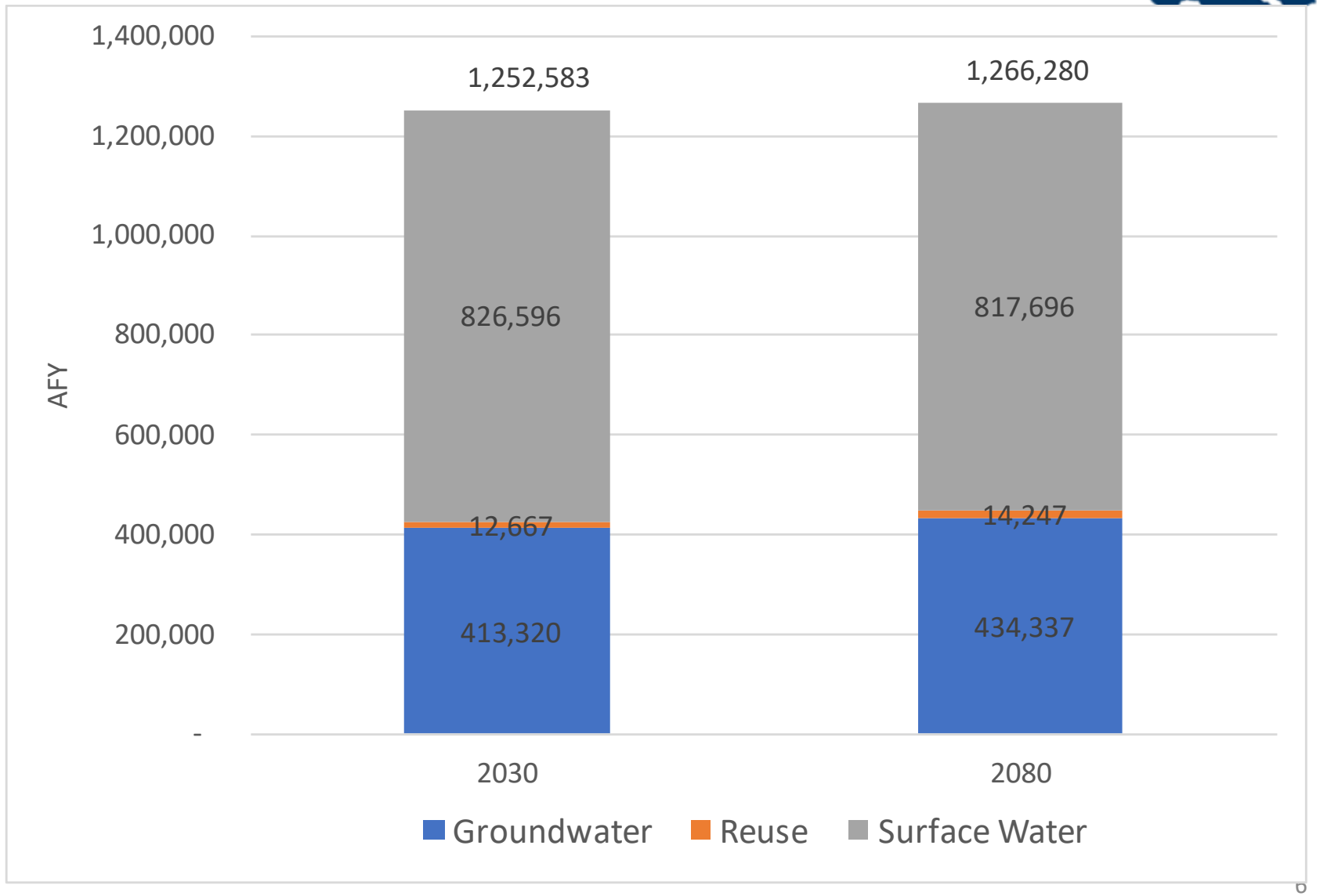
Task 4C: Demands

- Demands were drafted by TWDB
- RWPG submitted revision requests
- Some, not all requests were approved



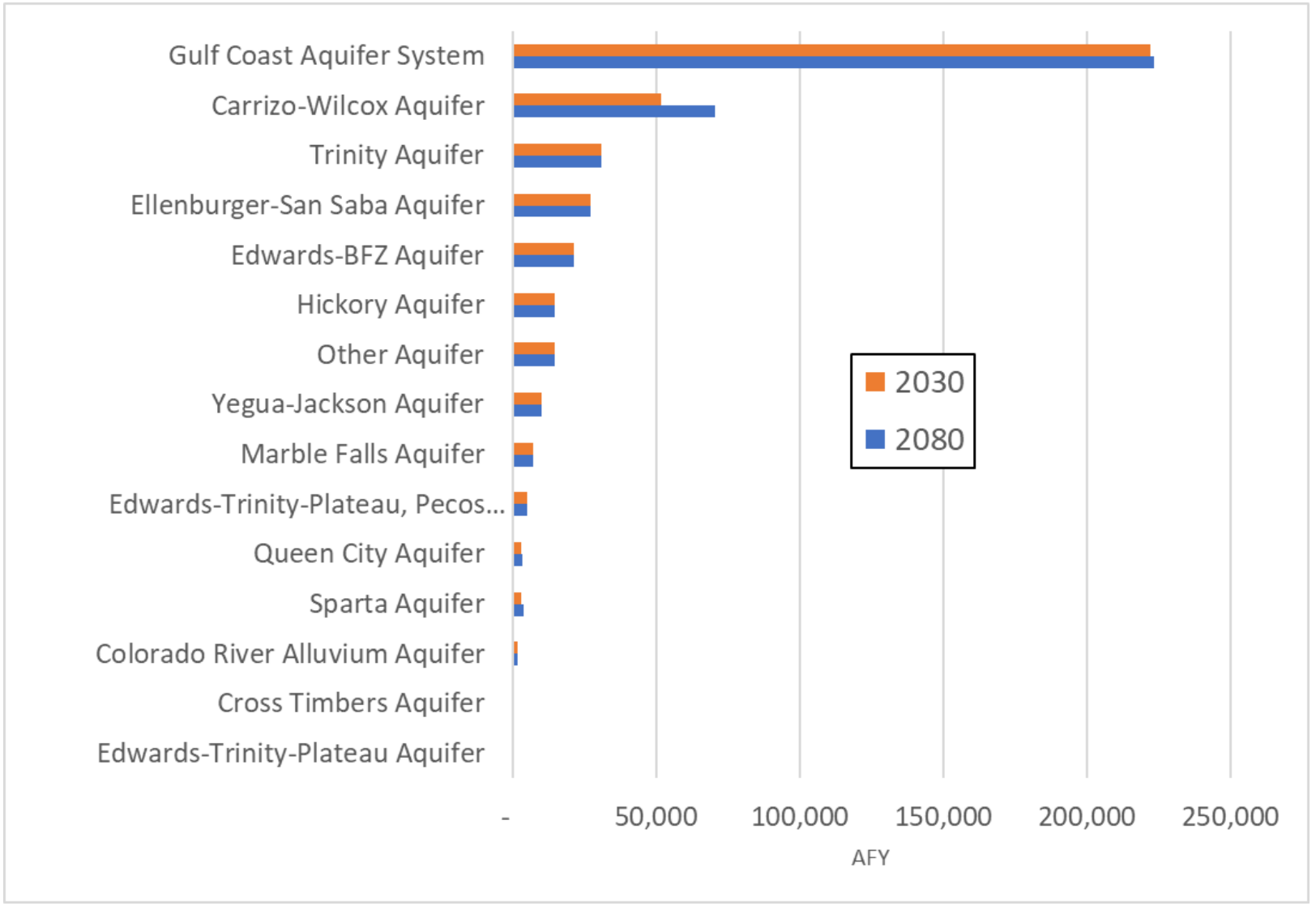
Task 4C: Sources

- Roughly 1/3 groundwater, 2/3 surface water
- Existing sources remain fairly steady through time
- Reuse will make up a much larger portion during strategy development



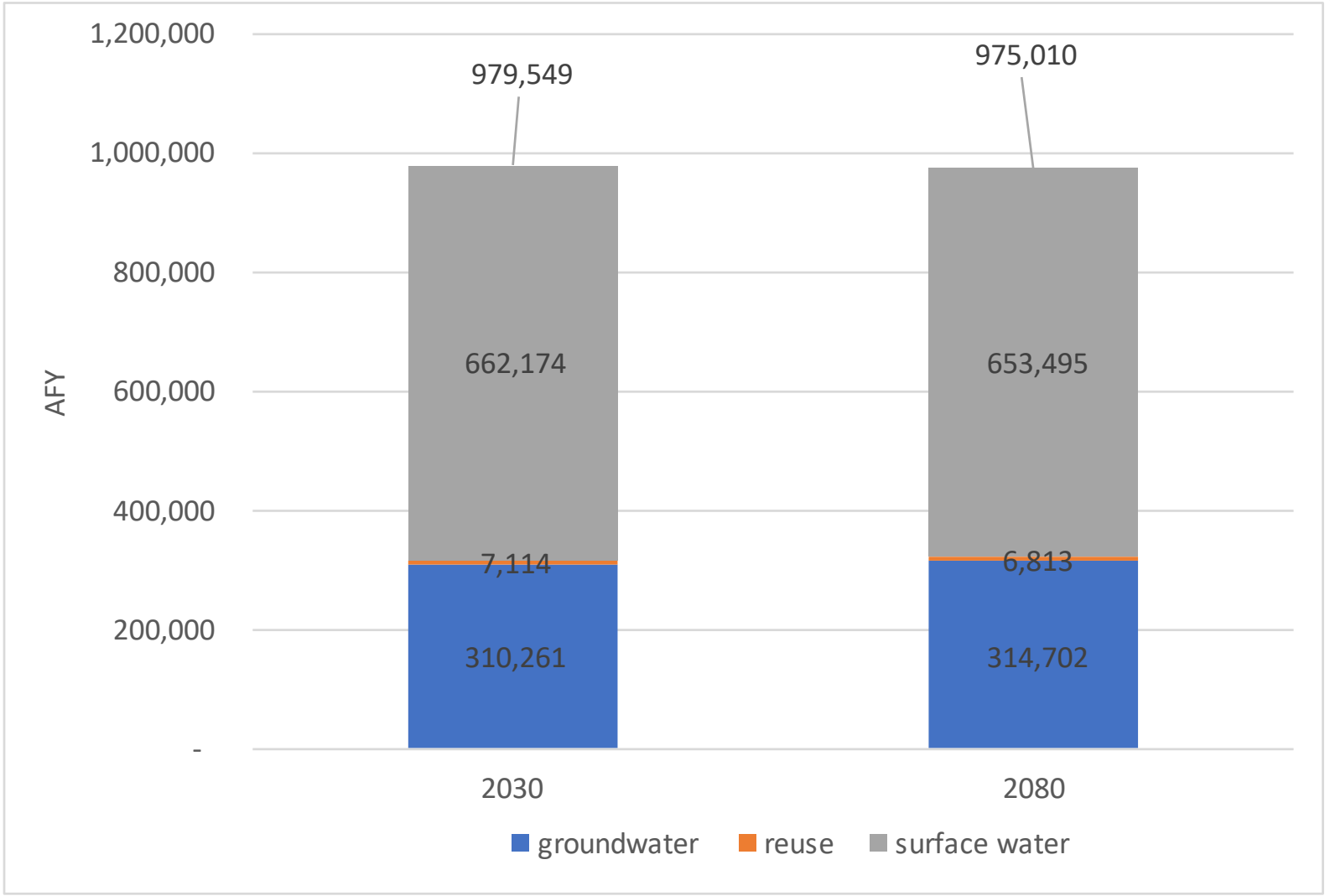
Task 4C: Groundwater Sources by Aquifer

- Gulf Coast Aquifer is the largest groundwater source
- Carrizo-Wilcox increases in time due to increasing MAG



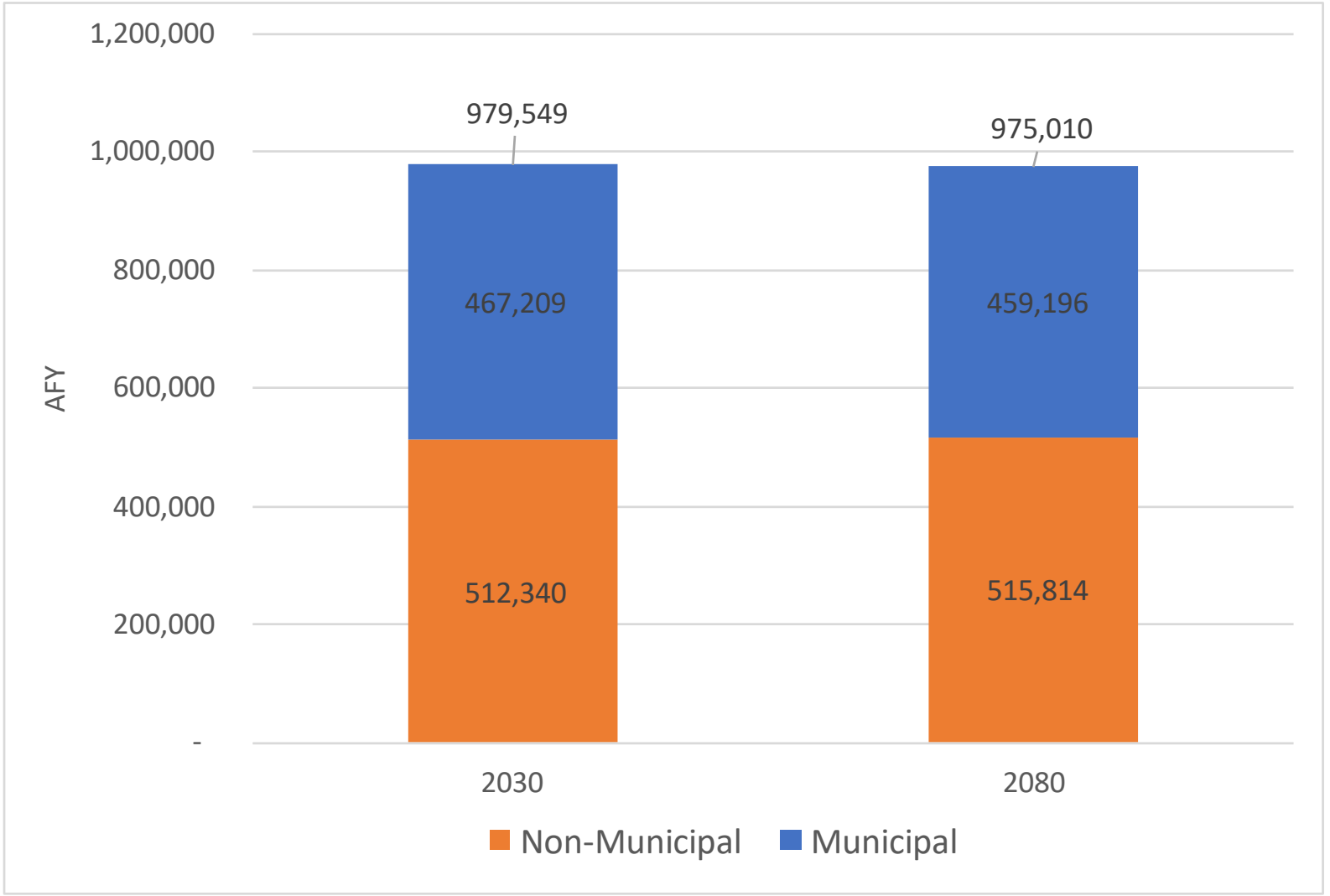
Task 4C: Supplies

- Graph totals do not include water exported outside of Region K (these are not Region K supplies)
- However, exports are accounted for - they reduce the available water in Region K



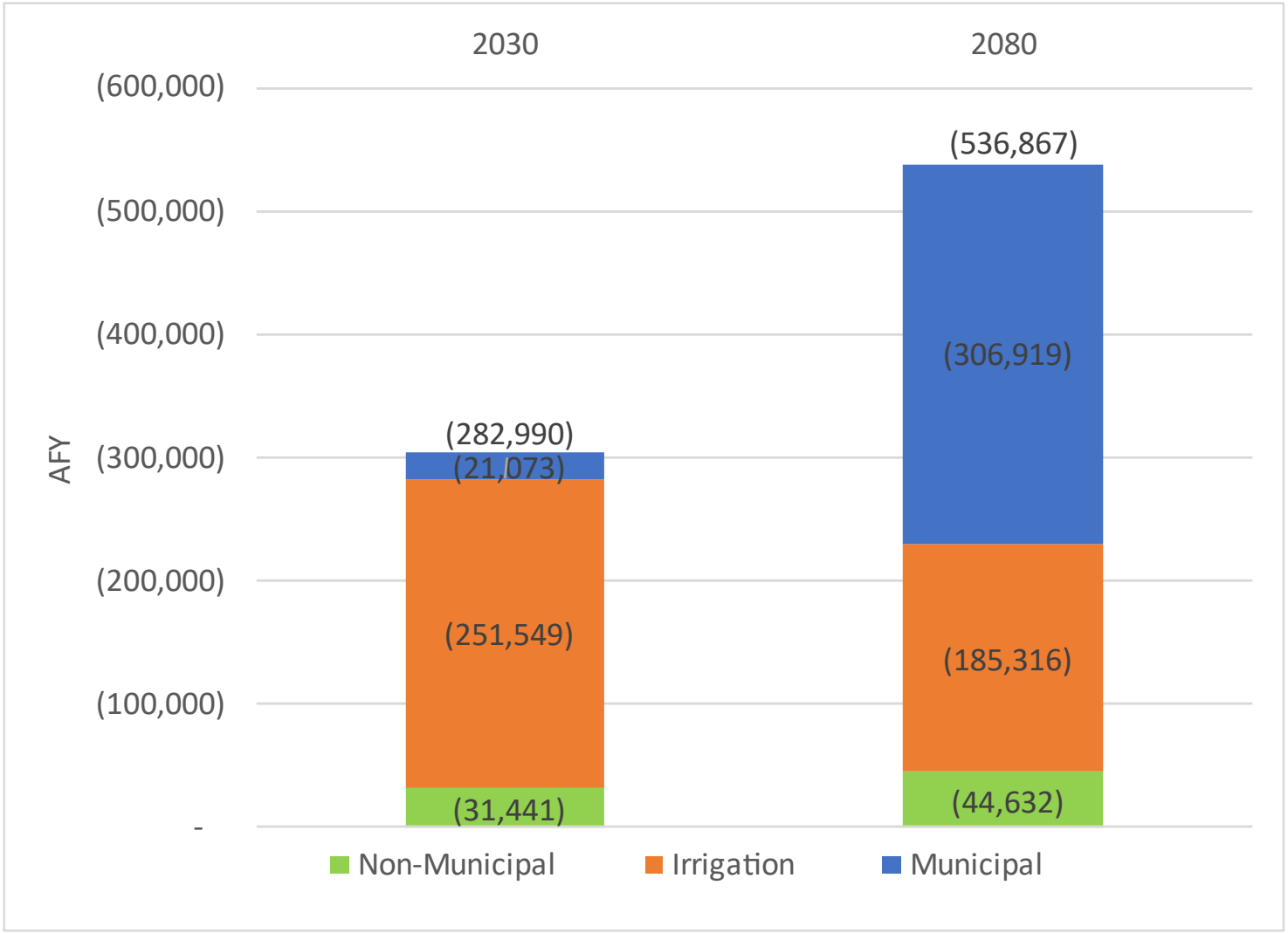
Task 4C: Supplies

- By Use Category



Task 4C: Needs

- On this graph, irrigation is separated from other non-municipal categories
- Municipal needs are the largest portion by 2080



Task 4C: Compare to Previous Plan

- Reports 7 and 8 have detailed comparisons of current plan to previous plans
- No dramatic differences
- Slight reduction in supplies, increase in needs
- These estimates will continue to evolve as we work our way through the WMS process

	2030 Planning Decade			2070 Planning Decade		
Region K Total	**2021 RWP**	**2026 RWP**	**Difference %**	**2021 RWP**	**2026 RWP**	**Difference %**
Existing WUG supply total	1,044,354	979,549	-6.2%	1,049,975	976,863	-7.0%
Projected demand total	1,162,803	1,138,936	-2.1%	1,307,643	1,378,821	5.4%
Water supply needs total**	280,823	304,063	8.3%	318,785	464,504	45.7%

Small difference from previous chart being reconciled with TWDB

Region K Total						
Groundwater availability total	379,160	413,320	9.0%	380,547	434,403	14.2%
Reuse availability total	13,687	11,949	-12.7%	14,247	13,529	-5.0%
Surface Water availability total	910,484	826,596	-9.2%	907,562	819,543	-9.7%

Item 11. Discuss and take action on approval of Task 4C: Technical Memorandum for submittal to the Texas Water Development Board prior to the March 4, 2024, deadline, including minor modifications to data appendices, if necessary, recognizing that the information in the memorandum is preliminary – Chair Van Dresar

Item 12. Presentation of region-specific Task 5B: Water Management Strategies Task, Scope of Work– Consulting Team

Agenda Item 12

Presentation of region-specific Task 5B: Water Management Strategies (WMS) Task, Scope of Work

SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget ($)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E
Basic and Advanced Water Conservation Strategies	Basic and Advanced Conservation WMS may be evaluated for all water use categories including Municipal, Industrial, Irrigation, Livestock, Mining, and Steam-Electric. Success of conservation implementation during 2011 (dry year) and other years will be evaluated and used to help establish highest practicable levels of conservation. Assessments of whether conservation is an appropriate strategy for a particular WUG will be performed based on the conditions under which the base GPCD demand numbers were determined. All strategies will be assessed to determine needs, applicable participants, costs, social and environmental impacts, and DOR firm yield. GIS exhibits may be developed. Cost estimates will be developed utilizing TWDB costing tool modified as appropriate to Region K. Conservation WMS may include, but are not limited to: technology-based conservation programs, rebates, and water-efficient irrigation. As is required, these RWPG recommendations shall be assumed to be the "highest practicable level" of conservation for	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 40,000	Municipal and Irrigation WUGs; possibly others with needs	Yes, new municipal WUGs; public input request to consider new methodology; available conservation quantification study	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
Expand Local Use of Groundwater	Strategy will evaluate whether additional groundwater is available to meet water needs for entities currently using groundwater. MAG values will be considered and potential MAG Peak Factors may be considered, as directed by the RWPG, and correlated with identified WUG needs. All strategies will be assessed to determine needs, applicable participants, costs, social and environmental impacts, and DOR firm yield. GIS exhibits will be developed. Cost estimates will be developed utilizing TWDB costing tool modified as appropriate to Region K. Aquifers to be considered may include five major, seven minor, and other aquifers located within Region K.	Updated WMS documentation will include discussion of strategy, firm DOR yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 35,000	WUGs that are currently served by groundwater and looking to expand the amount of groundwater they use from a specific source.	Yes, new municipal WUGs, MAG volume changes, and potential introduction of MAG Peak Factor	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
Documentation and Database Entry – DB27	Compile and report regional data in DB27 for integration into WMS Technical Memorandums and Regional Water Plans. Data management, submission via the DB27 interface, adherence to TWDB specifications, and compliance with data entry deadlines set by TWDB. Quality assurance, documentation, reporting, and compliance with contract requirements.	Documentation of regional data and data entry in DB27	$ 25,000	All WUGs and major water providers	No	February 13, 2024 Region K meeting	No	No
				LCRA, AUSTIN				

REGION K
THE LOWER COLORADO REGIONAL WATER PLANNING GROUP

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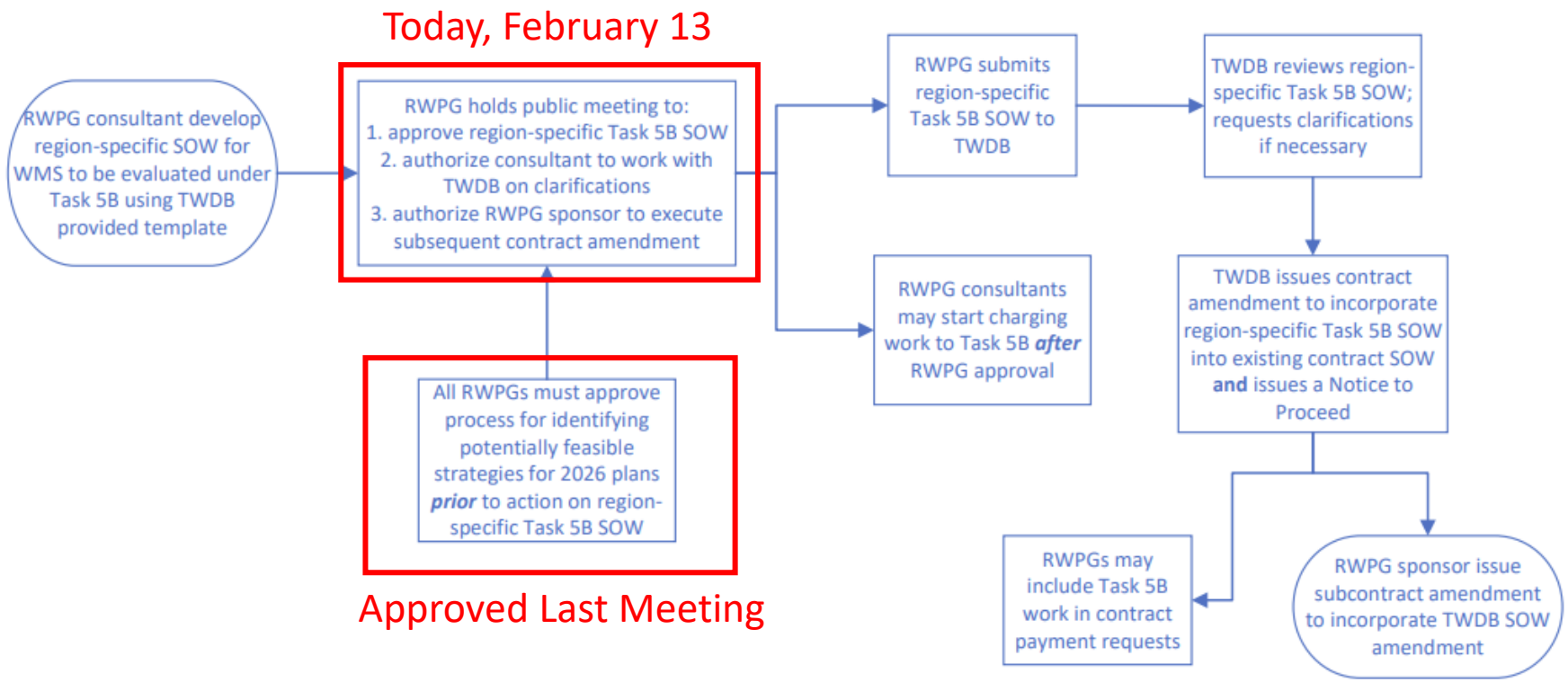
Task 5B: WMS Notice to Proceed Process



SOW: Scope of Work
WMS: Water Management Strategy
Full details on the notice to proceed process are outlined in Regional Water Planning Contract Exhibit C, Section 2.5.6

Task 5B: Proposed WMSs

1. Drought Management
2. Basic and Advanced Water Conservation Strategies
3. Expand Local Use of Groundwater
4. Expanded Reuse through Direct Nonpotable, Direct Potable, Indirect Potable
5. Documentation and Database Entry – DB27

- Task 5B funds are already committed and in the budget
- Request for 48% ($170,000) of committed total ($357,002)

Example of TWDB Template

SubTask WMS	SubTask Scope of Work Write-up	Deliverable	SubTask Budget ($)	WUG(s) &/OR WWP Entities Potentially Served by WMS(s)	Addressing a changed condition from previous cycle? If yes, describe the changed condition.	When was this WMS identified by RWPG as potentially feasible?	Was the WMS evaluated in any previous Regional Water Planning Cycles?	Is evaluation a limited update to previous technical evaluation information? If no, indicate specific update in subtask sow column E
Basic and Advanced Water Conservation Strategies	Basic and Advanced Conservation WMS may be evaluated for all water use categories including Municipal, Industrial, Irrigation, Livestock, Mining, and Steam-Electric. Success of conservation implementation during 2011 (dry year) and other years will be evaluated and used to help establish highest practicable levels of conservation. Assessments of whether conservation is an appropriate strategy for a particular WUG will be performed based on the conditions under which the base GPCD demand numbers were determined. All strategies will be assessed to determine needs, applicable participants, costs, social and environmental impacts, and DOR firm yield. GIS exhibits may be developed. Cost estimates will be developed utilizing TWDB costing tool modified as appropriate to Region K. Conservation WMS may include, but are not limited to: technology-based conservation programs, rebates, and water-efficient irrigation. As is required, these RWPG recommendations shall be assumed to be the "highest practicable level" of conservation for	Updated WMS documentation will include discussion of strategy, firm DOR demand reduction yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 40,000	Municipal and Irrigation WUGs; possibly others with needs	Yes, new municipal WUGs; public input request to consider new methodology; available conservation quantification study	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
Expand Local Use of Groundwater	Strategy will evaluate whether additional groundwater is available to meet water needs for entities currently using groundwater. MAG values will be considered and potential MAG Peak Factors may be considered, as directed by the RWPG, and correlated with identified WUG needs. All strategies will be assessed to determine needs, applicable participants, costs, social and environmental impacts, and DOR firm yield. GIS exhibits will be developed. Cost estimates will be developed utilizing TWDB costing tool modified as appropriate to Region K. Aquifers to be considered may include five major, seven minor, and other aquifers located within Region K.	Updated WMS documentation will include discussion of strategy, firm DOR yields, environmental factors, engineering & costing considerations, and implementation issues. Corresponding data will be submitted through the DB27 interface. WSMP locations will be approximated using GIS.	$ 35,000	WUGs that are currently served by groundwater and looking to expand the amount of groundwater they use from a specific source.	Yes, new municipal WUGs, MAG volume changes, and potential introduction of MAG Peak Factor	February 13, 2024 Region K meeting	Yes - Recommended WMS in 2021 Plan (Fifth Cycle)	No
Documentation and Database Entry – DB27	Compile and report regional data in DB27 for integration into WMS Technical Memorandums and Regional Water Plans. Data management, submission via the DB27 interface, adherence to TWDB specifications, and compliance with data entry deadlines set by TWDB. Quality assurance, documentation, reporting, and compliance with contract requirements.	Documentation of regional data and data entry in DB27	$ 25,000	All WUGs and major water providers	No	February 13, 2024 Region K meeting	No	No

Item 13. Discuss and take action as needed on region-specific Task 5B, Water Management Strategies Task including the following:
a. Approval of region-specific Task 5B Scope of Work
b. Authorize consultant to work with Texas Water Development Board (TBWD) on minor clarifications
c. Authorize Lower Colorado River Authority, as Region K administrative agent, to execute subsequent contract amendment

Item 14. Consultant Report
a. Progress to date – Neil Deeds, INTERA
b. Upcoming efforts and key dates – Neil Deeds, INTERA

Agenda Item 14

Consultant Report

REGION K
THE LOWER COLORADO REGIONAL WATER PLANNING GROUP

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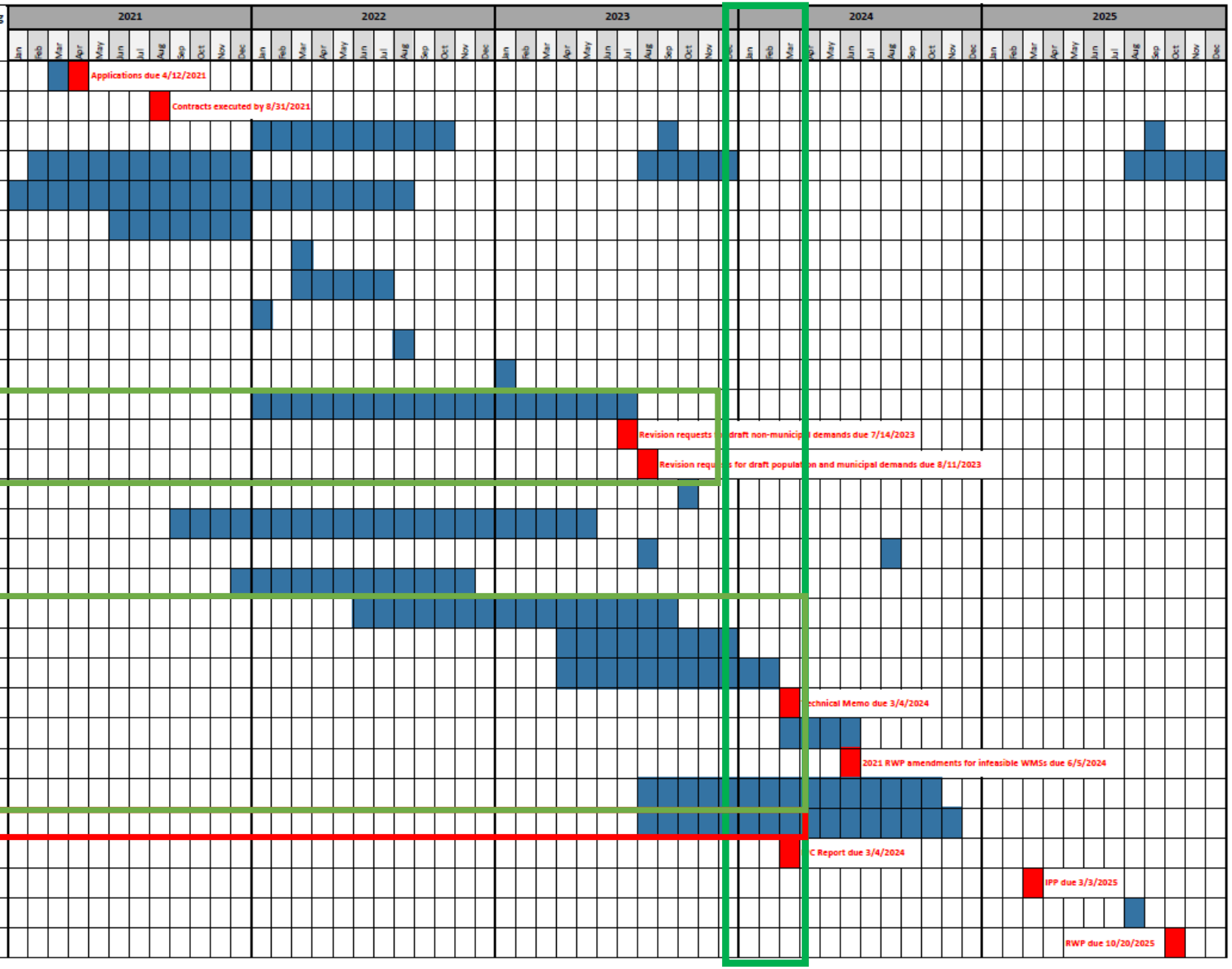
Complete

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

Texas Water Development Board

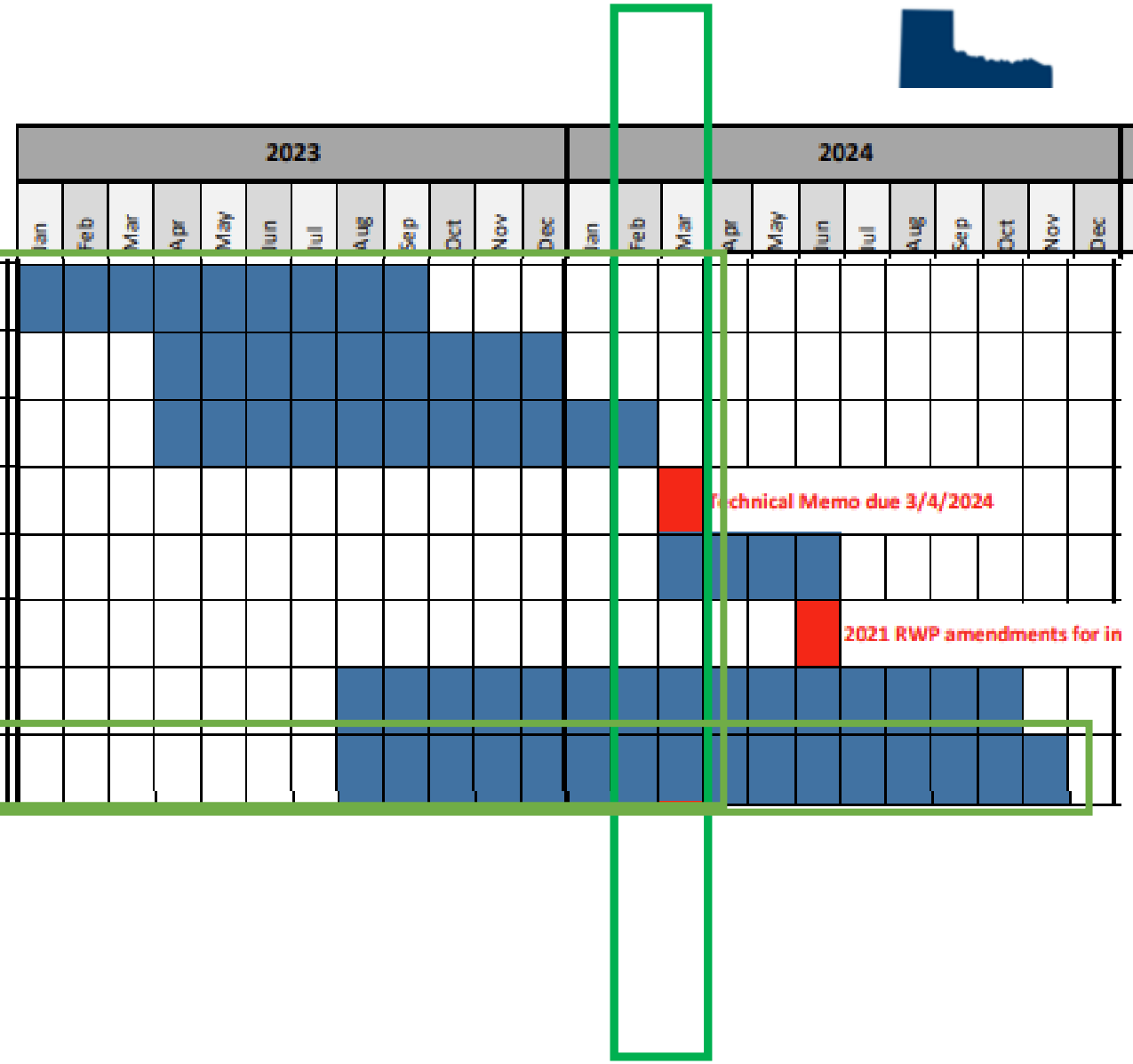
Item	Entity	Activity	Planning SOW Task #
1	TWDB	RFA for regional water planning grant posted and applications due	NA
2	TWDB/RWPG	Initial planning contract execution deadline	NA
3	TWDB/RWPG	Anticipated additional contracting activities	NA
4	TWDB	Regional Water Planning rules update	NA
5	TWDB	TWDB/BEG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



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

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

	19	RWPG	Evaluate water availability and existing water supplies	3
	20	RWPG	Identify water needs	4A
	21	RWPG	Identify infeasible WMSs in the 2021 RWPs	4B
	22	RWPG	Technical Memo due	4C
N/A	23	RWPG	Amendments to 2021 RWPs to remove/revise infeasible WMSs	4B
N/A	24	RWPG	RWPG adopted amendments to 2021 RWPs to remove/revise infeasible WMSs due to TWDB	4B
	25	RWPG	Identify potentially feasible WMSs	5A
	26	TWDB/RWPG	Review and negotiate SOW submittals for WMS evaluations and issue notice-to-proceeds[D]	5B



Agenda Item 14
Key Dates and Upcoming Efforts

- Technical Memo due March 4, 2024
- WMS Survey (March)
- Continued work on WMS (WMS committee meetings)

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THE LOWER COLORADO REGIONAL WATER PLANNING GROUP

Agenda Item 14
Consultant Report

Thank you!

Neil Deeds

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15. Texas Water Development Board (TWDB) Report – Lann Bookout, TWDB
a. Update on regional water planning activities and schedules

16. Interregional Coordination Activities – Chair Van Dresar
a. Liaison reports

17. Financial Report – Chair Van Dresar

18. Upcoming meetings, consider and take action as needed – Chair Van Dresar
    a. Location and date of next LCRWPG meeting
    b. Other committee meetings
        i. Water Modeling Committee
        ii. Water Management Strategies Committee
        iii. Other Committees

19. Future Agenda Items