NOTICE OF OPEN MEETING OF THE
SOUTH CENTRAL TEXAS REGIONAL
WATER PLANNING GROUP

TAKE NOTICE that a meeting of the South-Central Texas Regional Water Planning Group (SCTRWPG) as established by the Texas Water Development Board will be held on Wednesday, February 14, 2024 at 9:30 AM both in person and virtually. The in-person meeting will be held at the San Antonio Water System's Customer Service Building, Room CR-145, 2800 US Hwy 281 North, San Antonio, TX 78212. You can attend virtually on WebEx at https://saws.webex.com/saws/j.php?MTID=md6f6d76a85b13db8afe5e027657c27d7. The planning group members will consider and may take action regarding:

1. (9:30 AM) Roll-Call
2. Public Comment (Limited to 3 minutes)
3. Approval of the Minutes from the Previous Meeting of the South-Central Texas Regional Water Planning Group (SCTRWPG)
4. Discussion and Appropriate Action Regarding Filling Existing Vacancies and Vacancies to Result from Future Term Expirations or Resignations
5. Election of Officers for the 2024 SCTRWPG Executive Committee
6. Status Reports and Communications by TWDB
7. Status Reports and Communications Related to Regional Water Planning including reports by the Chair, Regional Liaisons, Groundwater Management Area Representatives, and Members of the Planning Group
8. Presentation by Technical Consultant Regarding Schedule and Progress Updates
9. Presentation by Technical Consultant Regarding the 2026 Regional Water Planning Technical Memorandum
    a. Public Comment Regarding the 2026 Regional Water Planning Technical Memorandum
10. Consideration and Approval Regarding the 2026 Regional Water Planning Technical Memorandum
    a. Discussion and Appropriate Action Regarding Approval and Authorization to Submit the Technical Memorandum to TWDB
    b. Discussion and Appropriate Action for the Technical Consultant to Address 2027 State Water Planning Database (DB27) Updates and Non-substantive Revisions to the Technical Memorandum
    c. Discussion and Appropriate Action for the Technical Consultant to Address Any Requests from TWDB Associated with Processing the Technical Memorandum
11. Consideration and Approval Regarding Task 5B Scopes of Work
    a. Discussion and Appropriate Action Regarding Approval and Authorization to Submit the Notice-to-Proceed Scope of Work Request to the TWDB
    b. Discussion and Appropriate Action to Authorize the Technical Consultant and/or the San Antonio River Authority to Work with the TWDB on Any Follow-Up Information that May be Required
    c. Discussion and Appropriate Action to Authorize the San Antonio River Authority to Negotiate and Execute Subsequent TWDB Contract Amendment that will be Issued
12. Presentation Regarding Request for Amendment to 2021 RWP

a. Review, Discuss, and Consider Action Regarding Approval to Submit a Minor Amendment Determination Request to TWDB for Modifications to GBRA's Proposed Lower Basin Storage and/or Mid-Basin (Phase 2) WMS Projects as Described in the 2021 South Central Texas Regional Water Plan and 2022 State Water Plan

b. Discussion and Appropriate Action to pursue an Amendment to the 2021 South Central Texas Regional Water Plan for Modifications to GBRA's Proposed Lower Basin Storage and/or Mid-Basin (Phase 2) WMS Projects

13. Discussion and Possible Action Regarding the Consistency Waiver for TWDB Project 21825 - Crystal Clear SUD 2024 Capital Improvements Project

14. Discussion and Appropriate Action Regarding the Establishment of Additional Subcommittees

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

16. Public Comment (Limited to 3 minutes)

17. Adjourn

As per agenda items 10, 31 TAC §357.21(g)(2) states at a minimum, notice must be provided at least 14 days prior to the meeting, written comment must be accepted for 14 days prior to the meeting and considered by the RWPG members prior to taking the associated action, and meeting materials must be made available on the RWPG website for a minimum of seven days prior to and 14 days following the meeting.

Comments and submissions may be submitted through email to ccastillo@sariverauthority.org and include "Region L South Central Texas Water Planning Group Meeting Public Comment" in the subject line of the email. Any written documentation can be sent to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Caye Castillo, 100 E. Guenther Street, San Antonio, TX 78204. Please direct any questions to Caye Castillo at (210) 302-4258, ccastillo@sariverauthority.org.

AGENDA ITEM NO.3 – APPROVAL OF THE MINUTES FROM THE PREVIOUS MEETING OF THE SOUTH-CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Minutes of the South Central Texas Regional Water Planning Group
November 2, 2023

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

26 of the 32 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss
Micah Voulgaris for Curt Campbell
Andra Wisian
Debbie Farmer
Charlie Flatten
Terrell Graham
Vic Hilderbran
Thomas Jungman
Aarin Teague for Russell Labus
Glenn Lord
Scooter Mangold
Andrew McBride
Gary Middleton
Travis Pruski
Robert Puente
Vanessa Puig-Williams
Humberto Ramos
Blaine Schorp for Weldon Riggs
Roland Ruiz
Darrell Brownlow
Mitchell Sowards
Jonathan Stinson
Thomas Taggart
Ryan Kelso
Dianne Wassenich
Adam Yablonski

Voting Members Absent:

Ryan Bayle
John Byrum
Steve Graham
Daniel Meyer
Darren Simmons
Dan Yoxall

Non-Voting Members Present:

Carly Rotzler, TX Department of Parks and Wildlife
Michele Foss, Texas Water Development Board (TWDB)
Jami McCool, TX Dept. of Agriculture

Non-Voting Members Absent:

Iliana Delgado, TCEQ
Don McGhee, Region M Liaison
Charles Wiedenfeld, Region J Liaison
Carl Crull, Region N Liaison
Rusty Ray, Texas Soil & Water Cons. Board
Ronald Fieseler, Region K Liaison

Beginning with the February 11, 2016, meeting of the South Central Texas Regional Water Planning Group, all recordings are available for the public at www.regionltexas.org.

AGENDA ITEM NO.1: ROLL CALL

Ms. Caye Castillo took roll call.

AGENDA ITEM NO.2: PUBLIC COMMENT (LIMITED TO 3 MINUTES)

No public comments.

AGENDA ITEM NO.3: APPROVAL OF THE MINUTES FROM THE PREVIOUS MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Mr. Puente motioned to approve the minutes from the previous meeting. Mr. Middleton seconded, the motion passed.

AGENDA ITEM NO.4: DISCUSSION AND APPROPRIATE ACTION REGARDING FILLING EXISTING VACANCIES AND VACANCIES TO RESULT FROM FUTURE TERM EXPIRATIONS OR RESIGNATIONS

Chair Andruss provided the recommendation to approve the San Antonio River Authority to solicit for Industries and Water Districts interest groups due to a term expiration and a resignation.

Mr. Lord motioned to approve the San Antonio River Authority to solicit for the Industries and Water District interest groups. Mr. Hilderbran seconded, the motion passed.

AGENDA ITEM NO.5: DISCUSS AND CONSIDER ACTION TO AUTHORIZE THE SAN ANTONIO RIVER AUTHORITY TO NEGOTIATE AND EXECUTE AN AMENDMENT TO THE TWDB CONTRACT TO INCREASE THE TOTAL PROJECT COST AND COMMITTED FUNDS FOR THE 2026 RWP

Mr. Middleton motioned to approve the San Antonio River Authority to Negotiate and Execute an Amendment with the TWDB Contract to Increase the Total Project Cost and Committed Funds for the 2026 RWP. Mr. Stinson seconded, the motion passed.

AGENDA ITEM NO.6: DISCUSS AND CONSIDER ACTION TO AUTHORIZE THE SAN ANTONIO RIVER AUTHORITY TO NEGOTIATE AND EXECUTE AN AMENDMENT WITH BLACK & VEATCH BASED ON TWDB CONTRACT TO INCREASE TOTAL PROJECT COST AND COMMITTED FUNDS FOR THE 2026 RWP

Mr. Stinson motioned to approve the San Antonio River Authority to Negotiate and Execute an Amendment with Black & Veatch based on TWDB Contract to Increase the Total Project Cost and Committed Funds for the 2026 RWP. Mr. Middleton seconded, the motion passed.

AGENDA ITEM NO.7: STATUS REPORTS AND COMMUNICATIONS BY TWDB

Ms. Foss provided an update from TWDB including upcoming items of note such as Amended Contracts approved by the TWDB Board in August and Projections and Water Demands to be presented to TWDB Board for adoption on November 9, 2023. Ms. Foss also provided details on the RWPF Chairs Call held on September 28, 2023, details on the upcoming Interregional Planning Council meeting, and information on Proposition 6/SB and SJR 75.

AGENDA ITEM NO.8: STATUS REPORTS AND COMMUNICATIONS RELATED TO REGIONAL WATER PLANNING INCLUDING REPORTS BY THE CHAIR, REGIONAL LIAISONS, GROUNDWATER MANAGEMENT AREA REPRESENTATIVES AND MEMBERS OF THE PLANNING GROUP

Chair Andruss provided a chair report that included that information on the interregional planning council working on draft report and recommends the planning group members join the meeting on August 17th.

Chair Andruss provided an update on Region P stating that they are on the same track as Region L.

Mr. Voulgaris provided an update regarding GMA 9 stating that they have been meeting every 2 month and are in the process of getting a consultant as well as waiting for TWDB updates.

Chair Andruss provided a GMA 15 update stating that they have identified Anterra as their preferred technical consultant and that they are waiting for the TWDB report that would compare the groundwater modeling.

Mr. Brownlow provided a GMA 13 update stating that they are looking into the performance of current regional model at this time.

AGENDA ITEM NO.9: PRESENTATION BY TECHNICAL CONSULTANT REGARDING SCHEDULE AND PROGRESS UPDATES

Ms. Gonzalez provided a conceptual schedule for Region L plan development. Her presentation is available online at www.regionltexas.org.

Mr. Ramos asked if Concan Water Supply Corporation be submitting a request for revisions. The Technical Consultant stated that they responded and agreed the migration looks fine.

AGENDA ITEM NO.10: PRESENTATION BY TECHNICAL CONSULTANT REGARDING INFEASIBLE WATER MANAGEMENT STRATEGY EVALUATION RESULTS

Ms. Gonzalez provided the process overview of the identification of Infeasible WMSs in the previously adopted 2021 Regional Water Plan and the evaluation methodology and results.

a. PUBLIC COMMENT REGARDING INFEASIBLE WATER MANAGEMENT STRATEGY EVALUTATION RESULTS

Mr. Ted Boriack (landowner) made a public comment regarding the issue of pumping groundwater in Gonzalez County. He stated that groundwater is being wasted and included that the plan is not feasible as it does not consider property rights. He also raised concerns on the impacts of agriculture and long-term sustainability.

AGENDA ITEM NO.11: PRESENTATION BY TECHNICAL CONSULTANT REGARDING PROCESS FOR IDENTIFYING POTENTIALLY FEASIBLE WATER MANAGEMENT STRATEGIES

Ms. Gonzalez provided the requirements for the process to identify potentially feasible WMSs and the proposed process steps.

a. PUBLIC COMMENT REGARDING THE PROCESS FOR IDENTIFYING POTENTIALLY FEASIBLE WATER MANAGEMENT STRATEGIES

Mr. Ted Boriack stated that he would like to reiterate his previous comments and ask that they'd be considered here as well.

Ms. Puig-Williams made comments on Mr. Boriack's concerns and provided her understanding with the definition of feasible/infeasible.

AGENDA ITEM NO.12: DISCUSSION AND APPROPRIATE ACTION REGARDING PROCESS FOR IDENTIFYING POTENTIALLY FEASIBLE WATER MANAGEMENT STRATEGIES

Mr. Ramos motioned to Approve the Process for Identifying Potentially Feasible Water Management Strategies. Mr. Middleton seconded, the motion passed.

AGENDA ITEM NO.13: REVIEW, DISCUSS, AND CONSIDER ACTION REGARDING WATER AVAILABILITY, EXISTING WATER SUPPLIES, AND POTENTIAL NEED FOR PREPARATION AND SUBMITTAL OF A HYDROLOGIC VARIANCE REQUEST TO THE TWDB

Ms. Gonzalez provided details and definitions for Surface Water Modeling, information on the Hydrologic Assumptions used last cycle and their plans for this cycle. Additionally, she provided the Surface Water Hydrologic Assumptions for 2026 RWP.

Motion by Mr. Puente to approve the surface water hydrologic assumptions, including hydrologic variance requests for the 2026 Regional Water Planning Cycle and to approve the technical consultant to submit the surface water hydrologic variance requests to the TWDB on behalf of the South-Central Texas (Region L) Regional Water Planning Group and authorize consultant to address any questions associated with processing these requests, as needed. Mr. Stinson seconded the motion, motion passed.

AGENDA ITEM NO.14: DISCUSSION AND APPROPRIATE ACTION REGARDING THE ESTABLISHMENT OF ADDITIONAL SUBCOMMITTEES

No motion to create an additional subcommittee.

AGENDA ITEM NO.15: SCHEDULE 2024 SCTRWPG MEETINGS

The RWPG chose to keep the same schedule as 2023 except for the first meeting of the year and selected the first Wednesday of February and the first Thursday of May, August, and November. The 2024 SCTRWPG meeting dates will be February 14, 2024, May 2, 2024, August 1, 2024, and November 7, 2024.

Motion by Mr. Taggart to approve the 2024 schedule of SCTRWPG meetings. Mr. Hilderbran seconded the motion, motion passed.

AGENDA ITEM NO.16: SCHEDULE AND POTENTIAL AGENDA ITEMS FOR THE NEXT MEETING OF THE SCTRWPG

The next SCTRWPG meeting is scheduled for February 14, 2024, at 9:30 AM.

AGENDA ITEM NO.17: PUBLIC COMMENT (LIMITED TO 3 MINUTES)

Ted Boriack wanted to reiterate his comments regarding taking a look on groundwater pumping.

AGENDA ITEM NO.18: ADJOURN

Mr. Middleton motioned to adjourn. Mr. Hilderbran seconded the motion, motion passed.

AGENDA ITEM NO.4 – DISCUSSION AND APPROPRIATE ACTION REGARDING FILLING EXISTING VACANCIES AND VACANCIES TO RESULT FROM FUTURE TERM EXPIRATIONS OR RESIGNATIONS

Includes: Nomination Forms for Industries and Water Districts Interest Groups

FROM: **South Central Texas Regional Water Planning Group**

DATE: **November 7, 2023**

SUBJECT: **Solicitation of Nominations to Fill Vacancies of the South Central Texas Regional Water Planning Group Voting Membership**

NOTICE TO PUBLIC
SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (REGION L)

The South Central Texas Regional Water Planning Group (SCTRWPG), as established by the Texas Water Development Board in accordance with 31 TAC 357, is soliciting nominations to fill a voting member vacancy on the SCTRWPG in the following interest area: **Industries; and Water Districts**.

For your convenience, the nomination form may be found on the SCTRWPG website at regionltexas.org.

Article V. Section 3 of the adopted SCTRWPG Bylaws states that in order to be eligible for voting membership, a person must be capable of adequately representing the interest for which a member is sought, willing to be participate in the regional flood planning process, attend meetings, and abide by the adopted Bylaws.

Nomination forms may be submitted through email to ccastillo@sariverauthority.org, or by printing the nomination form, completing it, and mailing. A nomination form must be completed and submitted for each nominee to be considered. For specific definitions and eligibility requirements in each of the areas of interest, and to obtain a nomination form, please contact Caye Castillo (210) 302-4258 or ccastillo@sariverauthority.org.

The South Central Texas Regional Water Planning Area consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, DeWitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, LaSalle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala and part of Hays Counties.

Nominations must be received by 5:00 p.m., Thursday, December 7, 2023, addressed to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Caye Castillo, 100 East Guenther St., San Antonio, Texas 78204, or emailed to ccastillo@sariverauthority.org

Regional Water Planning Group Voting Membership

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP **Nomination for Interest Group (check one):**

X Industries □ **Water Districts**

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), nominators shall provide information regarding the nominee's current employer, and provide a description of the nominee's experience that qualifies him/her for the position in the interest group being sought to represent. Please refer to section 357.11 (e) (*see addendum*) of the Texas Administrative Codefor the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: Jonathan Stinson, Guadalupe-Blanco River Authority

ADDRESS: 2225 E Common St, New Braunfels, TX 78130

PHONE: (830) 379-5822 **FAX:** _____ **EMAIL:** jstinson@gbra.org

OCCUPATION Deputy General Manager, GBRA

NOMINEE

NAME: Jason Ammerman

ADDRESS: Dow Chemical, 7501 State Hwy 185, Seadrift Texas, 77983

PHONE: 361-553-2327 **FAX:** N/A **EMAIL:** JAmmerman@dow.com

INTEREST AREA: Industries

COUNTY: Calhoun County, Texas

OCCUPATION: Seadrift Site Infrastructure, Integration and Innovation Leader

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):

Please see attached C.V.

24 years' experience in chemical manufacturing, spanning US Gulf Coast, multiple entities

15+ years' experience in industrial water and wastewater technologies (both tactical deployment and strategic development

Former member of Region L Water Planning Group (Industries Representative)

Dow primary liaison for all water matters in the Lower Guadalupe Basin

PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):

DATE SUBMITTED: 12/6/23

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Thursday, December 7, 2023,** addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 100 East Guenther St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org

JASON AMMERMAN

105 Escalera Ranch Road, Victoria Texas, (361) 500-2712

HIGHLIGHTS OF EXPERIENCE

Dow Chemical Company (September 2019 to Present)

- **Site Infrastructure, Integration & Innovation Leader**
- Providing leadership to continuously improve the Site's performance relative to productivity and efficiency
- Lead improvement projects within the Seadrift Maintenance, Reliability and Continuous Improvement organizations
- Owner of Site infrastructure/integration strategy and serve as focal point for resolution and communication of Site issues
- Ensuring performance metrics/measurements are collected to track work process and operational performance

BASF (March 2017 to September 2019)

- **Senior Production Manager**
- Establish plant goals, objectives, and operational budgets to meet business objectives and assure continuous improvement
- Participate and communicate to Daily Execution in macro production planning and scheduling (S&OP)
- Coach and develop existing and new personnel into high performance teams
- Provide resources to support the execution of Corporate, Business Unit, and Site generated initiatives
- Manage and monitor actual and forecast spending against agreed operational budgets for designated Production accounts

BASF (June 2014 to March 2017)

- **Utilities, Wastewater and Site Infrastructure Technology Manager**
- Provided leadership to a team of engineering specialists responsible for: technology expertise, automation development & implementation, process optimization, process safety requirements, capital project development and execution
- Anticipated and collaborated with project stakeholders to enhance process safety, environmental stewardship, automation concepts, quality improvements, and risk control measures
- Led 10-year strategy development and execution for all utilities and infrastructure assets
- Championed continuous improvement initiatives (Lean and Six Sigma) throughout plant site that impact utilities and wastewater operations

Dow Chemical Company/WR Grace (August 2012 to June 2014)

- **Production Leader/Plant Manager**
- Responsible and accountable for the plant assets, personnel and achievement of the plant related business goals (production and financial)
- Translated and communicated the business strategy and objectives to the plant personnel. Provided leadership, coaching and expectations for the personnel participating in the plant goal and budget setting processes. Challenged teams and individuals to set, monitor and achieve

goals aligned to the business and site strategies and goals.
- Ensured an effective EH&S program was in place to achieve EH&S goals and comply with regulatory and permit requirements. Demonstrated priority and commitment through personal behavior.
- Ensured implementation and ongoing effectiveness of global work processes, operating discipline, management systems, enabling technologies and roles.
- Provided administrative leadership and coaching to the plant personnel. (i.e. role clarity and expectations, compensation, employee development, deployment, recognition systems, etc.)

Dow Chemical Company (October 2011 to August 2012)
- **Maintenance Group Leader**
- Provided leadership for ~25 maintenance employees and administratively responsible for nested maintenance contract employees.
- Provided leadership, coaching and performance management (i.e. compensation setting process; conducting formal Performance Reviews)
- Drove reliability culture change and helped support other asset capability improvement projects; particularly within the sub-work process of Do-Maintenance activities.
- Helped drive the organization to optimize work processes and execution to achieve best in class performance.

Dow Chemical Company (October 2005 to Oct 2011)
- **Environmental Operations Engineer/Lead Improvement Manager**
- Supported day-to-day operations of the Environmental units (water, wastewater and solid waste) and ensured reliable operations with 100% Environmental, Health and Safety Compliance
- Provided daily technical assistance to plant operations and assisted with troubleshooting operational problems.
- Monitored and optimized daily performance of unit operations. Maximized asset capability and mechanical reliability
- Implemented improvement objections to reduce environmental footprint of unit operations

E.I DuPont de Nemours/INVISTA (July 2000 to October 2005)
- **Wastewater Treatment Operations Engineer**
- Closely monitored, tracked, interpreted system performance to insure adherence to all State and Federal environmental regulations
- Optimized/modified wastewater treatment system operation in response to changing conditions
- Maintained active communication/interactions with site manufacturing areas to maximize wastewater treatment efficiency and prevent production interruptions
- Led and coordinated area budget forecasting to meet profit objectives
- Provided extensive on-going training and communication throughout the Victoria site regarding operation and performance of the Biotreatment system

EDUCATION

UNIVERSITY Royal Military College of Canada

- Bachelor of Engineering degree in Civil Engineering

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP **Nomination for Interest Group (check one):**

□ **Industries** ☒ **Water Districts**

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), nominators shall provide information regarding the nominee's current employer, and provide a description of the nominee's experience that qualifies him/her for the position in the interest group being sought to represent. Please refer to section 357.11 (e) (*see addendum*) of the Texas Administrative Codefor the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: Blaine Schorp

ADDRESS: 110 Wyoming Blvd, Pleasanton, TX 78064

PHONE: (830) 569-4186 **FAX:** _____ **EMAIL:** info@evergreenuwcd.org

OCCUPATION President, Evergreen Underground Water Conservation District

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NOMINEE

NAME: Aarin Teague

ADDRESS: 110 Wyoming Blvd, Pleasanton, TX 78064

PHONE: (830) 569-4186 **FAX:** _____ **EMAIL:** aarin.teague@evergreenuwcd.org

INTEREST AREA: Groundwater Conservation Districts

COUNTY: Atascosa

OCCUPATION: General Manager

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):

Dr. Aarin Teague, Ph.D has over 15 years of water resource experience, with a diverse background of planning, management, and technical support of scientific and engineering project as well as government administration. Currently she serves as the General Manager of the Evergreen Underground Water Conservation District (EUWCD), where she is responsible for oversight of the EUWCD's scientific programs, administration of the District's Rules and permitting process, and implementation of the EUWCD's education and outreach efforts. Prior to joining the EUWCD, Dr. Teague worked with the San Antonio River Authority for 10 years in the Engineering Department, where she was responsible for technical assessment, planning, and management of a wide variety of water resource initiatives including the development, utilization, and management of groundwater, hydrologic, hydraulic, flood prediction, ecological, and water quality models. Aarin earned a doctorate in Civil and Environmental Engineering from Rice University and was a post-doctoral fellow with the U.S. EPA Office of Research and Development.

Please see the attached resume for additional information regarding Aarin's experience.

PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):

Please see the attached resume for Dr. Teague's affiliations.

DATE SUBMITTED: December 7, 2023

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Thursday, December 7, 2023,** addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 100 East Guenther St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org

Aarin E. Teague, P.E., Ph.D., CFM, ENV SP

685 County Road 6715, Natalia, TX 78059
Telephone: (210) 288-3047 E-mail: aesteague@gmail.com

Objective

To lead a science-based organization developing innovative solutions to emerging water resources challenges resulting in prudent and sustainable management strategies and policies.

Work Experience

Manager
Engineering, Design, and Construction, San Antonio River Authority, San Antonio, Texas, 2012-Present

- Department Manager (2020-Present), *previously Manager, Ecological Engineering*
    - Supervised a team of engineers, graduate engineers, planners, landscape architects, survey teams, registered professional land surveyors, project manager, and interns.
    - Developed and managed department budgets, resource allocations, funding priorities, and strategic objectives.
- Program Manager, Stream Restoration Program Development
    - Managed planning and budget, prepared and managed grants, supervised technical analysis tasks, and facilitated conservation master planning.
        - Negotiated and facilitated agreements for the US Army Corps of Engineers Westside Creeks Ecosystem Restoration
        - Managed the program development and initial agreements for the Bexar County Creeks and Trails Program
    - Represented the River Authority within regional and national policy working groups
    - Coordinated multi-agency program planning including identification of funding, project needs, and foundational scientific data analysis.
        - Developed strategic plan for regional stream restoration including project identification.
        - Negotiated and coordinated NRCS, City of San Antonio, and Bexar County funding of current and potential projects.
    - Oversaw external collaborative research, including development of a groundwater-surface water interaction model, sediment transport studies, and brush management field studies.
- Project Manager
    - Managed stakeholder driven process for River Road Ecosystem Restoration
    - Managed the development of The Community Vision for Salado East through a community stakeholder process
    - Managed design and construction of stormwater retrofits, supervised long term monitoring, and interpreted technical studies to facilitate policy development.
    - Managed development of the Low Impact Development Technical Design Guidance Manual, created the design toolkit, and conducted regional training for public and private sector.

Post-Doctoral Research Fellow
Office of Research and Development, U.S. EPA, Gulf Breeze, Florida, 2011-2012

- Technology Development
    - Developed science-based tools for community environmental resource planning and ecosystem services valuation.
    - Authored literature to support long term federal policy based on scientific research.

Research Fellow
Civil & Environmental Engineering, Rice University, Houston, Texas, 2007-2011

- Water Resource Planning
  - Provided technical support and model interpretation to support water resource planning for the Gonzales Groundwater District.
- Technology Development
  - Developed rainfall-runoff models using radar rainfall data in order to improve operational efficiencies for water quality monitoring and modeling in support of water utility processes.
  - Published literature establishing novel methods for water quality modeling and improvements in hydrologic and hydraulic modeling.
- Leadership and Team Development
  - Supervised undergraduate and graduate student field research teams.

Research Assistant
Biological & Agricultural Engineering, Texas A&M University, College Station, Texas, 2005-2007

- Assisted stakeholder driven development of the Plum Creek Watershed Protection Plan including analysis of spatial data and modeled outcomes.

Education | Certifications

Ph.D. Civil and Environmental Engineering, Rice University, Houston, TX, 2011
M.S. Biological and Agricultural Engineering, Texas A&M University, College Station, TX, 2007
B.S. Biological Systems Engineering, Texas A&M University, College Station, TX, 2005

Professional Engineer, Certificate No. 116094, Texas Board of Professional Engineers, 2013
Certified Floodplain Manager, No. 2746-14N, Texas Floodplain Manager's Association, 2014
Graduate Certificate in Geographic Information System (GIS), Texas A&M University, 2007

Professional Service| Affiliations

Ad-hoc Peer Reviewer
Journal of Environmental Management
Journal of Natural and Environmental Sciences
Applied Engineering in Agriculture

Student Development Mentor
Texas A&M University, Department of Biological and Agricultural Engineers
Texas A&M University, Department of Civil Engineering, Graduate Program
St. Mary's University, Department of Engineering Science
University of Texas at San Antonio, Department of Civil and Environmental Engineering

Professional Society Affiliations
Texas Floodplain Managers Association
Texas Society of Professional Engineers
American Society of Agricultural and Biological Engineers

MINUTES
EVERGREEN UNDERGROUND WATER CONSERVATION DISTRICT
NOVEMBER 30, 2023- REGULAR SCHEDULED BOARD MEETING

The public meeting of the Board of Directors of the Evergreen Underground Water Conservation District, pursuant to notice, was at the District Office, 110 Wyoming Blvd., Pleasanton, Atascosa County, Texas.

Directors Present: Blaine Schorp, President
Darrell Brownlow, Vice President
Clayton Neal, Secretary/Treasurer
Weldon Riggs
Thomas Moy III
Edward Griffin
Larry Bartek
Sherman Posey

Directors Absent: Amanda Wheeler

Employees Present: Aarin Teague, General Manager
Christopher McFarlane, Assistant Manager
Landon Yosko, Technical Specialist

Employee Absent: Melissa Gonzalez, District Secretary

Guests Present: Attached.

Agenda: Attached.

Declaration of Quorum and Call to Order:

President Schorp declared a quorum present and called the meeting to order at 9:04 a.m. The meeting was posted and filed as required by law.

Pledge of Allegiance.

Recess to Public Hearing

Public Hearing-District Management Plan Amendments

a. ***Call to Order:***
President Schorp called the Public Hearing to order at 9:05 a.m.
b. ***Receive Public Comments on Management Plan Amendments:***
No public comments.
c. ***Adjourn:***
President Schorp called the Public Hearing adjourned at 9:14 a.m.

Public Hearing- Water Well Drilling and Production Permit Applications

a. Call to Order:

President Schorp called the Public Hearing to order at 9:15 a.m.

b. Public Comments:

David Morgan had concerns in regard to Permit #3087 for D&L Fresh Water and Permit #3090 for T Bar L Ranches. Mr. Morgan asked why D&L Fresh Water needs seven wells on this property and asked how much water is being transported out of the district. Mr. Morgan questioned the coordinates of Permit #3090 and mentioned that they are wrong and should be tabled to give neighboring landowners a chance to know about this well being drilled.

c. Drilling/Production Permit Applications:

The Board was presented with a drilling and production permit application for Sharon Shearrer (Drilling/Production Permit#3086) for a new well to be located in Atascosa County for Irrigation use. Director Riggs moved to approve the drilling and production permit. Director Brownlow seconded the motion, Director Moy abstained, and there being no further discussion the motion carried unanimously.

The Board was presented with a drilling and production permit application for D&L Fresh Water (Drilling/Production Permit#3087) for a new well to be located in Karnes County for Industrial use. Director Brownlow moved to approve the drilling and production permit. Director Neal seconded the motion, and there being no further discussion the motion carried unanimously.

The Board was presented with a drilling and production permit application for Lailey Sczeponik (Drilling/Production Permit#3089) for a new well to be located in Karnes County for Irrigation use. Director Posey moved to approve the drilling and production permit. Director Griffin seconded the motion, Director Moy abstained, and there being no further discussion the motion carried unanimously.

The Board was presented with a drilling and production permit application for T Bar L Ranches (Drilling/Production Permit#3090) for a new well to be located in Karnes County for Irrigation use. Director Brownlow moved to approve the drilling and production permit. Director Wheeler seconded the motion, and there being no further discussion the motion carried unanimously.

d. Adjourn:

President Schorp called the Public Hearing adjourned at 9:55 a.m.

Reconvene to Regular Meeting

Public Comments on Agenda Items, Limited to 5 minutes each:

None.

Approval of Minutes from the October 27, 2023 Board of Directors Meetings:

The minutes of the October 27, 2023 meeting were presented to the board. Director Riggs moved to approve the minutes as presented. Director Brownlow seconded the motion, and there being no further discussion the motion carried unanimously.

Approval of Report of Bills Paid, Deposits, and Financial Statements for October 2023:

The report of bills paid, deposits, and financial statements for October were presented to the Board. Director Brownlow moved to receive and file the reports. Director Posey seconded the motion, and there being no further discussion the motion carried unanimously.

Approve District Management Plan Amendments:

Director Brownlow made the motion to approve the District Management Plan Amendments. Director Posey seconded the motion, and there being no further discussion the motion carried unanimously.

Approve Resolution #11-30-23-01 Adopting a Professional Services Procurement Policy:

Director Brownlow made the motion to approve Resolution #11-30-23-01 adopting a Professional Services Procurement Policy. Director Griffin seconded the motion, and there being no further discussion the motion carried unanimously.

Education/Scholarship Committee Structure and Appoint an Education Committee:

Discussed the development of strategies to educate the public and evaluated options for modifications to the scholarship program.
President Schorp appointed Directors Griffin, Posey, Bartek, and Wheeler as the Education Committee.

Appoint General Manager Aarin Teague to the South Texas Weather Modification Association Board:

Director Riggs made the motion to appoint Aarin Teague to the South Texas Weather Modification Board. Director Neal seconded the motion, and there being no further discussion the motion carried unanimously.

Nomination of Aarin Teague to the Region L Board:

Director Brownlow moved to nominate Aarin Teague to the Region L board. Director Posey seconded the motion, and there being no further discussion the motion carried unanimously.

Discussion and Possible Action to Enter into an Agreement with Intera, LLC for Groundwater Studies:

Director Brownlow made the motion to take no action. Director Bartek seconded the motion, and there being no further discussion the motion carried unanimously.

Approve Resolution #11-30-23-02 Adopting a Policy Regarding Banned Technologies:

Director Brownlow made the motion to approve Resolution #11-30-23-02 Adopting a Policy Regarding Banned Technologies. Director Riggs seconded the motion, and there being no further discussion the motion carried unanimously.

Briefing Regarding Status of Drought in the District:

Chris McFarlane gave a presentation on the current drought conditions.

General Manager's Report:

Citizen's Requests:

- A Flow test performed on November 7, 2023 and a static level test on November 22, 2023.

Permit Management Program Activity update was given by Chris McFarlane.

November Activities:

- November 2, 2023- Region L
- November 1-3, 2023- TWCA
- 4 Exempt Well Registrations
- Update staff payroll systems to direct deposit.
- Draft new website.

Upcoming Activities:

- Meetings
  - Election Law Seminar Nov 28- Dec 1
  - STWMA Meeting December 7
- Programs
  - Notice for request for annual pumping reports to irrigation users.
  - Deploy New Website
  - Public Water Supply Permit Audit
  - Water Quality Sampling
- Operations
  - IT Software Updates
  - Bank Depository Services RFP Solicitation Period

Legislative Updates:

Special Session.

Consider and Take Appropriate Action on Items to be Placed on the Next Agenda:

- Something for Representative King.
- Acquiring a better recording device or recording system for board meetings

Set Date and Time for Next Board of Directors Meeting:

The Board agreed to set the next meeting date for Thursday, December 21, 2023, at 9 a.m. at the District Office in Pleasanton, TX 78064.

Adjourn:

There being no further business to come before the Board, President Schorp declared the meeting adjourned at 10:56 a.m.

_____
Blaine Schorp, President

ATTEST: _____
Darrell Brownlow, Vice President

FROM: **South Central Texas Regional Water Planning Group**

DATE: **November 7, 2023**

SUBJECT: **Solicitation of Nominations to Fill Vacancies of the South Central Texas Regional Water Planning Group Voting Membership**

NOTICE TO PUBLIC
SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (REGION L)

The South Central Texas Regional Water Planning Group (SCTRWPG), as established by the Texas Water Development Board in accordance with 31 TAC 357, is soliciting nominations to fill a voting member vacancy on the SCTRWPG in the following interest area: **Industries; and Water Districts.**

For your convenience, the nomination form may be found on the SCTRWPG website at regionltexas.org.

Article V. Section 3 of the adopted SCTRWPG Bylaws states that in order to be eligible for voting membership, a person must be capable of adequately representing the interest for which a member is sought, willing to be participate in the regional flood planning process, attend meetings, and abide by the adopted Bylaws.

Nomination forms may be submitted through email to ccastillo@sariverauthority.org, or by printing the nomination form, completing it, and mailing. A nomination form must be completed and submitted for each nominee to be considered. For specific definitions and eligibility requirements in each of the areas of interest, and to obtain a nomination form, please contact Caye Castillo (210) 302-4258 or ccastillo@sariverauthority.org.

The South Central Texas Regional Water Planning Area consists of Atascosa, Bexar, Caldwell, Calhoun, Comal, DeWitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, LaSalle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala and part of Hays Counties.

Nominations must be received by 5:00 p.m., Thursday, December 7, 2023, addressed to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Caye Castillo, 100 East Guenther St., San Antonio, Texas 78204, or emailed to ccastillo@sariverauthority.org

Regional Water Planning Group Voting Membership

SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP **Nomination for Interest Group (check one):**

□ **Industries** □ **Water Districts**

Pursuant to official Bylaws and Guiding Principles adopted by the South Central Texas Regional Water Planning Group (SCTRWPG), nominators shall provide information regarding the nominee's current employer, and provide a description of the nominee's experience that qualifies him/her for the position in the interest group being sought to represent. Please refer to section 357.11 (e) (*see addendum*) of the Texas Administrative Codefor the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: Stanley w. Schuster

ADDRESS: 603 Rio Cordillera Boerne, TX. 78006

PHONE: 432-978-7192 **FAX:** _____ **EMAIL:** Stanley-Schuster@att.Net

OCCUPATION Real estate Development

NOMINEE

NAME: Stanley w. Schuster (self)

ADDRESS: 603 Rio cordillera Boerne, Tx 78006

PHONE: 432-978-7192 **FAX:** _____ **EMAIL:** Stanley-Schuster@att.Net

INTEREST AREA: Both: Industries & water Districts

COUNTY: Comal, Kendall, and Hidalgo

OCCUPATION: President - The Schuster Development Corp. of w Tx.

PLEASE GIVE A BRIEF DESCRIPTION OF THE NOMINEE'S EXPERIENCE THAT WOULD QUALIFY HIM/HER FOR THE POSITION (please use additional pages if needed):

We have owned Numerous wells & drilled Ag. exempt wells and have worked with TCEQ in terms of River water rights for Ag. Production. We have owned water wells on properties for Kimble county and Kendall county and have recently purchased property in Comal County. We Plan on drilling for ground water in the near future. we also have owned, or own several Commercial/Retail projects one in midland (Car wash & Lube ctr) and just purchased a industrial Bldg in Hidalgo County the tenant is a dialysis center.

Stan Schuster

PLEASE LIST ANY PERTINENT AFFILIATIONS (please use additional pages if needed):

1. Graduate of T.A.M.U. class of 84 with B.S. Agricultural Economics.
2. Member of License of T.D.A. (Restr. Pesticide Licence)
3. Schuster Pecan Farm,
4. Schuster Ranch

Stanley R. Schuster

DATE SUBMITTED: 12/1/2023

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Thursday, December 7, 2023,** addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 100 East Guenther St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org

AGENDA ITEM NO.6 – STATUS REPORTS AND COMMUNICATIONS BY TWDB

Region L TWDB Update February 14, 2024

Upcoming Items of Note

- **Technical Memorandum**– Due to TWDB **March 4, 2024**
  - Electronic Submittal Folders will be provided by TWDB in **February**
  - TWDB to Accept or Reject **within 30 Days**
- **Prop 6/Texas Water Fund -**TWDB is seeking public input via online surveys and during Board Meetings and Stakeholder Workshops **through April**.
  - **March 8** Board Meeting
  - The TWDB is seeking stakeholder input via three surveys:

Texas Water Fund Survey 1: Financial Assistance for Water Infrastructure Projects
Texas Water Fund Survey 2: New Water Supply Fund for Texas
Texas Water Fund Survey 3: Statewide Water Public Awareness Program

- Water Use Survey is open until **March 1, 2024**
- Texas Water Service Boundary Editor is open until **July 1, 2024**
- **Agricultural Water Conservation Grant** app period until **April 3, 2024.**
  - Informational Webinars **February 7, March 6 & March 27 11am-Noon**

Region L TWDB Update February 14, 2024

RWPG Chairs Call Held January 16, 2024

- Regulatory Updates
  - Chapter 357 – Regional Water Planning Guidelines
  - Chapter 359 – Water Banking
- Review RWP Amendment Guidance and Infeasible Amendment Timeline
- Discuss Notice to Proceed Process
- Review Socioeconomic Impact Analysis Process & Timeline (**August 2025**)
- Update on the Interregional Planning Council
- Next Chairs Call will be scheduled for date TBD **April 2024**

Interregional Planning Council Meeting Held February 8, 2024

- Review of Final Draft of IPC Report (due to TWDB **March 4, 2024**)

Region L TWDB Update February 14, 2024

Upcoming Materials for RWPGs

- County-Specific Water Supply Planning Info & Resource Documents
  - Includes Rural Entities and At-Risk Suppliers (<7,500, SS, 180 Day)
- Conservation Resources
- Drought/Drought Preparedness Resources
  - List of Entities Required to Submit Drought Contingency Plans to TCEQ
  - Drought Preparedness Council Recommendations to RWPGs
  - Updated Drought Management Costing Information
- Updated Uniform Costing Model

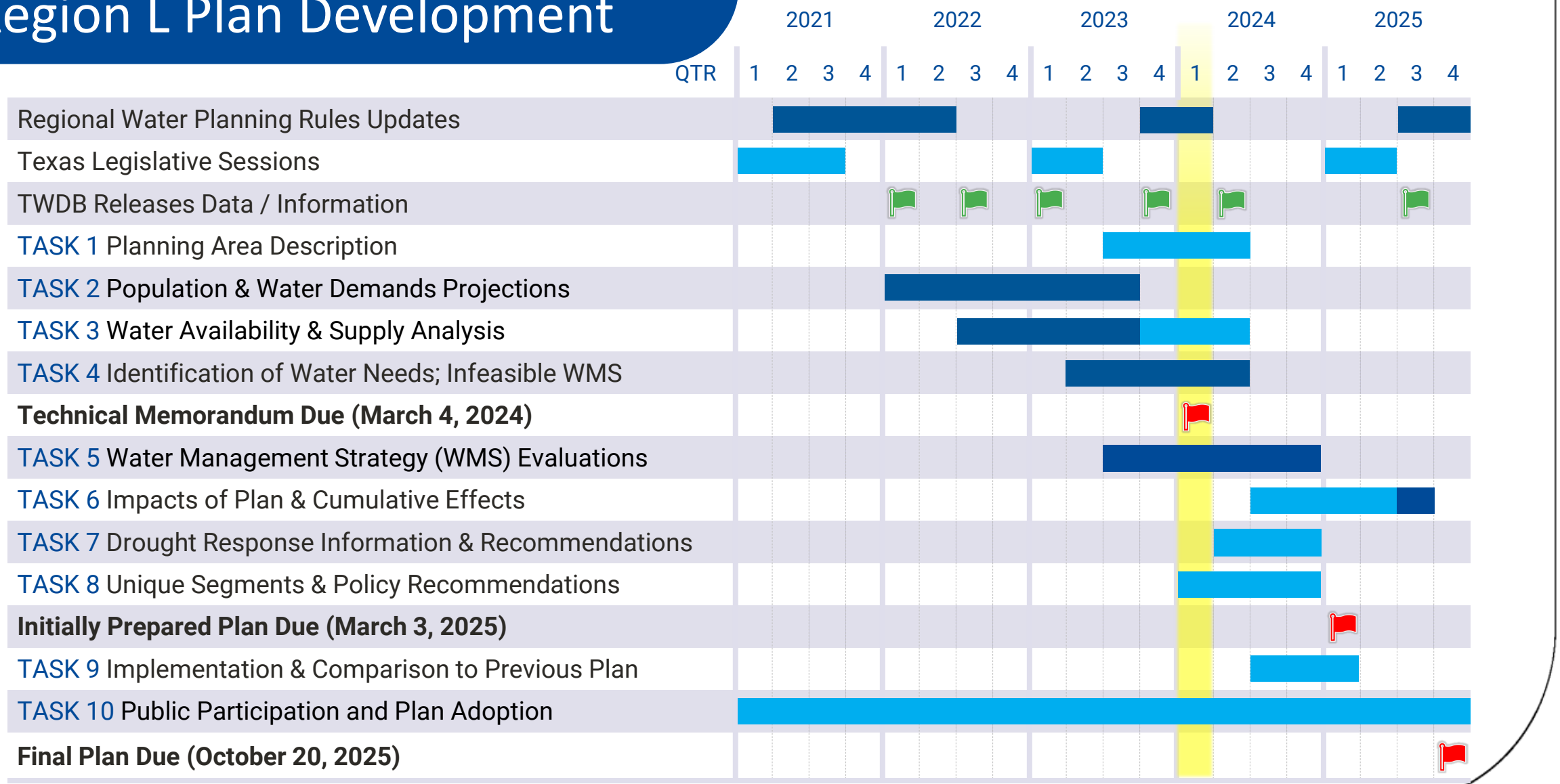
AGENDA ITEM NO.8 – PRESENTATION BY TECHNICAL CONSULTANT REGARDING SCHEDULE AND PROGRESS UPDATES

BLACK & VEATCH

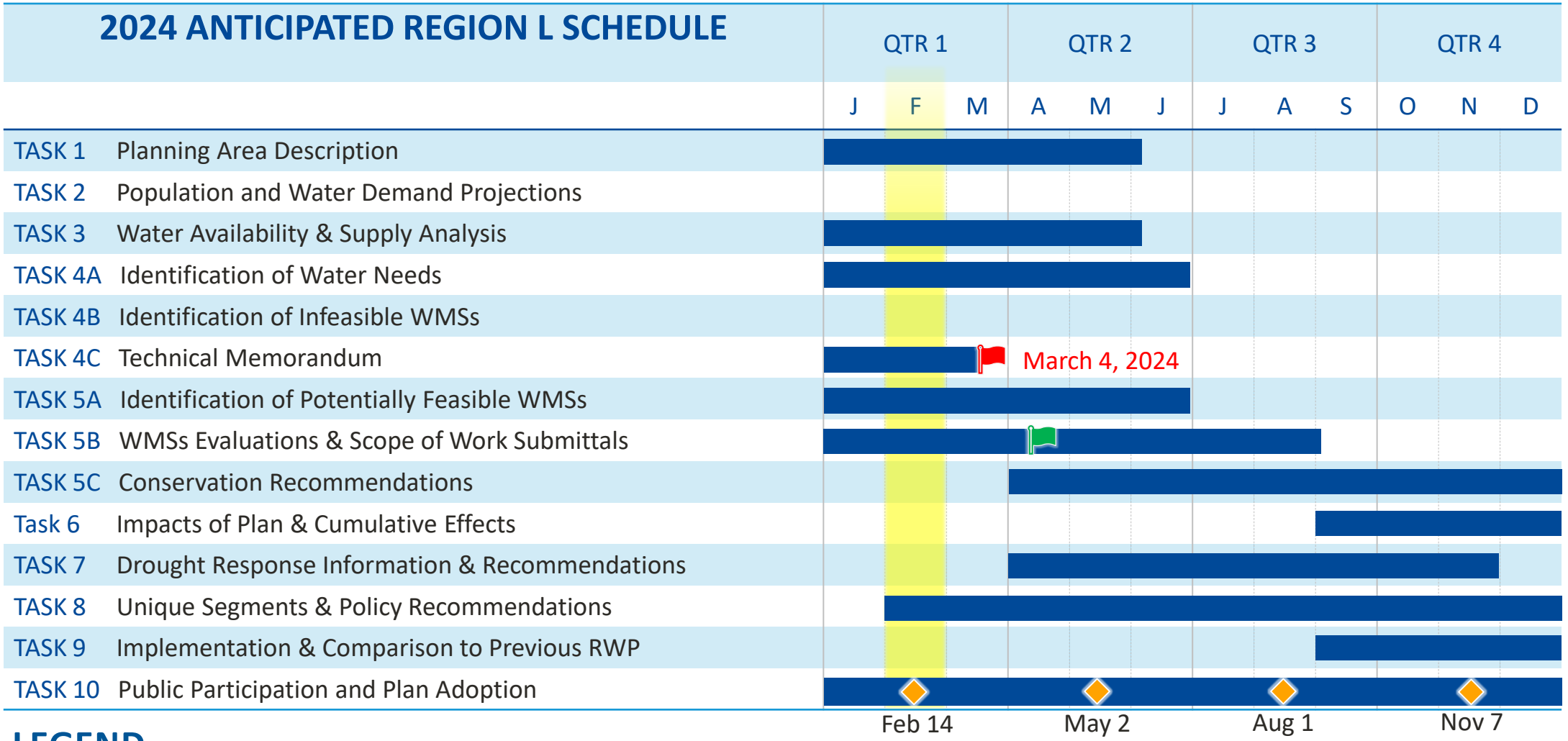
2/14/2024

Agenda Item 8: Presentation by Technical Consultant Regarding Schedule and Progress Updates

Conceptual Schedule for Region L Plan Development



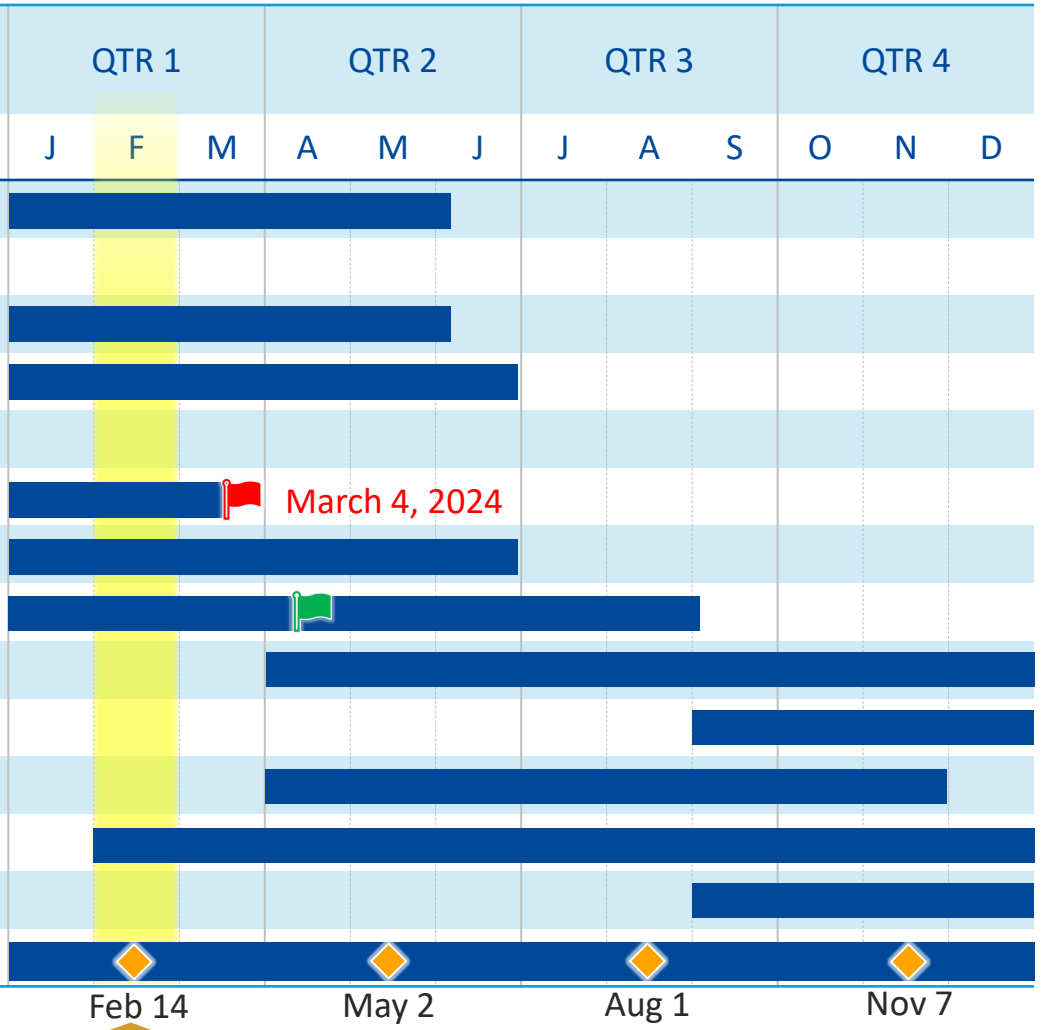
2024 ANTICIPATED REGION L SCHEDULE



LEGEND

Region L Activities | TWDB Data Release | TWDB Deadline | Region L RWPG Meeting

2024 ANTICIPATED REGION L SCHEDULE

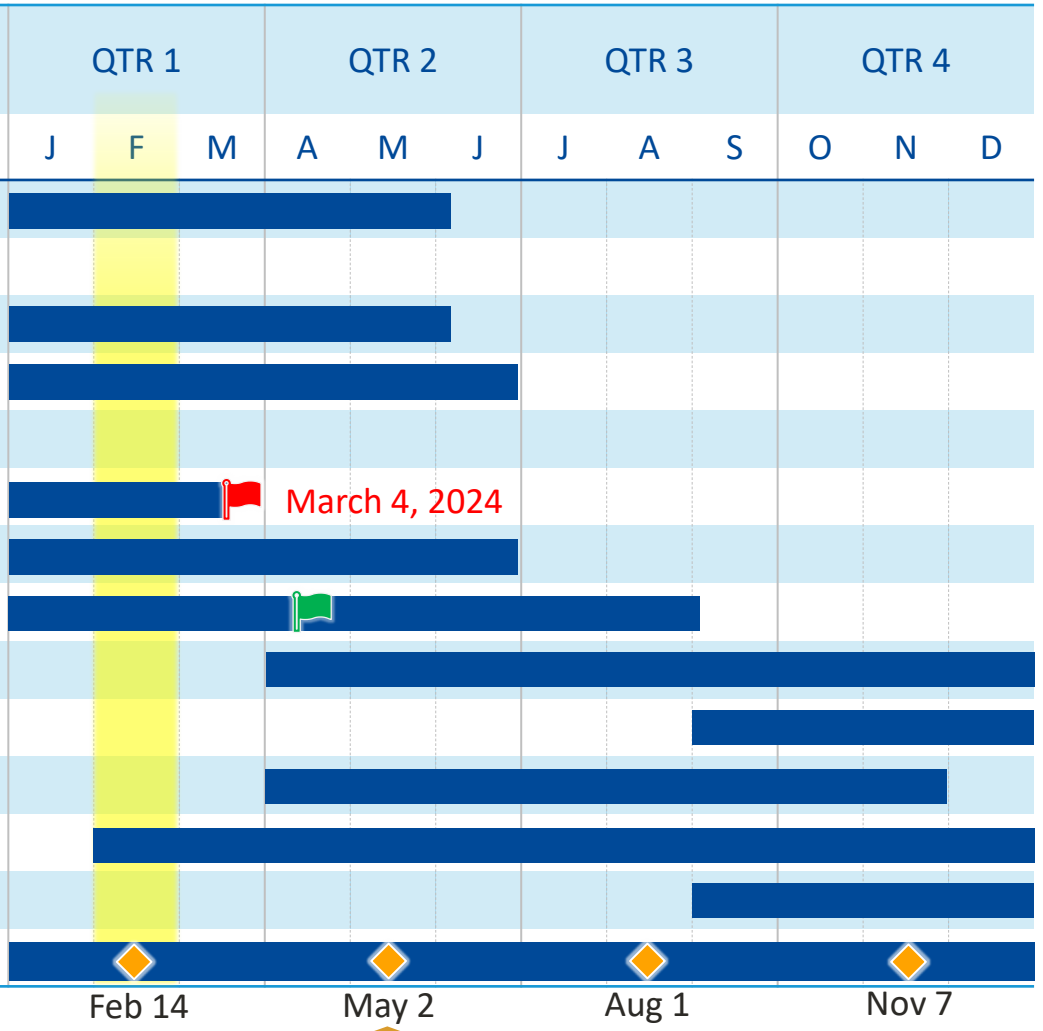


LEGEND

FEBRUARY RWPG MEETING TOPICS:

- Scope of Work for Task 5B Approval
- Present and Approve Technical Memorandum (Task 4C)

2024 ANTICIPATED REGION L SCHEDULE



LEGEND

■ Region L Activities

MAY RWPG MEETING TOPICS:

- WMSs Evaluations Update
- Present Certain Draft Plan Chapters

Meeting

Update on Completed Efforts

- Texas Water Development Board (TWDB) approved feedback on Population and Water Demand Projections at the November 9th Board Meeting (Task 2B)
  - Feedback presented at previous RWPG meeting on November 2nd
- Completed review of hydrologic assumptions and variances for this cycle (Task 3)
  - Received approval for hydrologic variances from TWDB on January 8th
- Completed development of draft Technical Memorandum (Task 4C)
  - Will finalize before submittal to TWDB on March 4th
  - Will present more information in subsequent agenda item today.
- Completed development of scope of work for potential WMSs evaluations (Task 5B)
  - Will present more information in subsequent agenda item today.

Update on New or Ongoing Efforts (1 of 2)

- Continuing Water Supplies and WMS Outreach (Task 3)
  - Sent surveys to water user groups (WUGs) and wholesale water providers (WWPs) soliciting feedback on Existing Water Supplies and future WMSs.
  - Met with certain WUGs and WWPs to obtain feedback.
  - All information received up to Jan. 23rd will be included in Technical Memorandum.
  - Will continue engaging WUGs to obtain feedback for IPP.

- Continuing Interregional Coordination Efforts (Task 10)
  - Regular calls with Region K consultant team.
  - Connecting with Regions G, N, and P, as needed.

New: Begin drafting Chapter 8: Recommendations Regarding Unique Stream Segments and/or Reservoir Sites and Legislative & Regional Policy Issues (Task 8)

- Will discuss establishing a workgroup for this effort in subsequent agenda item today.

Update on New or Ongoing Efforts (2 of 2)

New: Begin Drought Contingency Plan (DCP) Outreach and Evaluations (Task 7)

- Background:
  - Certain entities must prepare DCPs and submit to Texas Commission on Environmental Quality (TCEQ) and RWPGs
  - DCPs updated every five years
  - Submittal deadline to TCEQ is May 1, 2024
- Planning Group Responsibilities, for all eligible WUGs:
  - Gather and request DCPs
  - Review DCPs and describe Drought Management Measures (defined as demand management activities to be implemented during drought that may be evaluated and included as Water Management Strategies)

Next Steps

- **San Antonio River Authority will provide received DCPs to Technical Consultant**
- **Technical Consultant will send emails to request outstanding DCPs from eligible WUGs**
- **Future RWPG meetings will include updates of entities with DCPs received to date**
- **RWPG members may be asked to reach out to their network to encourage submittal of DCPs**

AGENDA ITEM NO.9 – PRESENTATION BY TECHNICAL CONSULTANT REGARDING THE 2026 REGIONAL WATER PLANNING TECHNICAL MEMORANDUM

A. PUBLIC COMMENT REGARDING THE 2026 REGIONAL WATER PLANNING TECHNICAL MEMORANDUM

2/14/2024

Agenda Item 9: Presentation by Technical Consultant Regarding the 2026 Regional Water Planning Technical Memorandum

Task 4C: Technical Memorandum Deliverable

Task Objective:

- Develop a mid-cycle deliverable for the 2026 Regional Water Plan (RWP) with a snapshot of March 2024 data.
- The data within the Technical Memorandum (Tech Memo) remains in draft form until the submittal of Adopted Regional Water Plans by the Regional Water Planning Groups in October 2025.

Due to TWDB on March 4, 2024

Task 4C: Technical Memorandum Deliverable

See Handout A for Tech Memo

Tech Memo Section	Required Contents (per 31 TAC §357.12)	Presented to RWPG	Date Presented to RWPG
3.0	Population and Water Demand projections adopted by Board	☑	Various
3.0 & 4.0	Updated **Source Water Availability**, as entered into 2027 State Water Planning Database (DB27)	☐	Today
3.0 & 4.0	Updated **Existing Water Supplies**, as entered into DB27	☐	Today
3.0	Identified Water **Needs and Surpluses**	☐	Today
5.0	List of infeasible WMSs and water management strategy projects (WMSPs) or a **statement that no infeasible WMSs or WMSPs** were identified by the RWPG	☑	11/2/23
6.0	Region L's documented **process to identify potentially feasible WMSs**	☑	11/2/23
7.0	List of **potentially feasible WMSs** identified to date	☐	Today
8.0	Summary of interregional coordination efforts to date	☑	Various

Population and Water Demand Projections

See Handout A, Section 3.0

- Presented to RWPG at several meetings in 2023, including summary of feedback to TWDB on August 3, 2023
- Projections adopted by TWDB on November 9, 2023
- Included in Section 3.0 and Appendix A of Tech Memo

Source Water Availability

See Handout A, Section 4.0

- Surface Water Availability
  - TCEQ Guadalupe-San Antonio River Basin WAM Run 3 (unmodified) and “Region L WAM” used to determine firm yields of major reservoirs.
  - Unmodified TCEQ WAMs used to determine surface water availability volumes in the Guadalupe, Nueces, and San Antonio River Basins.
- Groundwater Availability
  - Modeled Available Groundwater (MAG) volumes used for majority of the groundwater sources.
  - TWDB Non-MAG volumes for certain groundwater sources:
    - Groundwater Availabilities for sources without MAGs or with partial MAG values, based on Non-MAG/non-relevant aquifers with DFC-compatible supplies calculated by TWDB
  - RWPG-estimated groundwater availabilities:
    - Edwards Aquifer Authority (EAA) Availabilities, based on current permits and forbearance
    - Historic annual production volumes
    - Published data and reports

Source Water Availability, Surface Water

See Handout A, Section 4.1

Table 1: Major Reservoir Firm Yields Using WAM Run 3 and the Region L WAM

SOURCE [A]	UNMODIFIED FIRM YIELD FROM WAM RUN 3 [B] (ACFT/YR)		FIRM YIELD FROM REGION L WAM [B] (ACFT/YR)	
	2030	2080	2030	2080
Canyon Reservoir	63,182	62,591	86,138	85,414
Victor Braunig Lake	7,802	7,775	12,916 [C]	12,901 [C]
Calaveras Lake	11,290	11,008	39,975 [C]	39,285 [C]
Coleto-Creek Reservoir	11,934	11,257	24,965 [C]	23,666 [C]

Notes:

A For all other reservoirs in Region L, firm yields were determined using the unmodified WAM Run 3. Firm yields are provided in the DB27 report (Appendix A)

B Firm yields incorporate sedimentation

C For certain reservoirs, firm yield estimates using the Region L WAM are greater than the authorized diversion amounts in their respective water rights permits. Therefore, the 2030-2080 firm yields included in DB27 are the authorized diversion amounts in the water right permits. For Victor Braunig Lake, Calaveras Lake, and Coleto-Creek Reservoir, DB27 firm yields are 12,000 acft/yr, 36,900 acft/yr, and 24,160 acft/yr, respectively.

Source Water Availability, Groundwater (1 of 2)

See Handout A, Section 4.2 & Appendix D

Table D-1: Groundwater Availabilities from TWDB and RWPG-Estimated Groundwater Availabilities

	SOURCE INFORMATION				2080 TWDB ORIGINAL, UNMODIFIED GROUNDWATER AVAILABILITIES (ACFT/YR) IN DB27	2080 RWPG-ESTIMATED GROUNDWATER AVAILABILITIES (ACFT/YR) *
No.	NAME	COUNTY	BASIN	METHODOLOGY TYPE		
1	Carrizo-Wilcox Aquifer	Karnes	Guadalupe	Published Reports / Data	0	50
2	Carrizo-Wilcox Aquifer	Karnes	Nueces	Published Reports / Data	0	84
3	Carrizo-Wilcox Aquifer	Karnes	San Antonio	Published Reports / Data	1,043	1,078
4	Edwards-BFZ Aquifer	Atascosa	Nueces	Permitted Amount	360	522
5	Edwards-BFZ Aquifer	Atascosa	San Antonio	Permitted Amount	100	145
6	Edwards-BFZ Aquifer	Bexar	Nueces	Permitted Amount	356	446
7	Edwards-BFZ Aquifer	Bexar	San Antonio	Permitted Amount	202,000	211,795
8	Edwards-BFZ Aquifer	Comal	Guadalupe	Permitted Amount	12,000	13,179
9	Edwards-BFZ Aquifer	Comal	San Antonio	Permitted Amount	362	549
10	Edwards-BFZ Aquifer	Frio	Nueces	Published Reports / Data	23,213	23,213
11	Edwards-BFZ Aquifer	Guadalupe	Guadalupe	Permitted Amount	221	293

Notes:

* Revisions from TWDB Groundwater Availabilities denoted in red text.

Source Water Availability, Groundwater (2 of 2)

See Handout A, Section 4.2 & Appendix D

Table D-1: Groundwater Availabilities from TWDB and RWPG-Estimated Groundwater Availabilities

	SOURCE INFORMATION				2080 TWDB ORIGINAL, UNMODIFIED GROUNDWATER AVAILABILITIES (ACFT/YR) IN DB27	2080 RWPG-ESTIMATED GROUNDWATER AVAILABILITIES (ACFT/YR) *
No.	NAME	COUNTY	BASIN	METHODOLOGY TYPE		
12	Edwards-BFZ Aquifer	Hays	Guadalupe	Permitted Amount	942	8,283
13	Edwards-BFZ Aquifer	Medina	Nueces	Permitted Amount	20,128	25,419
14	Edwards-BFZ Aquifer	Medina	San Antonio	Permitted Amount	5,550	7,009
15	Edwards-BFZ Aquifer	Uvalde	Nueces	Permitted Amount	15,367	29,855
16	Leona Gravel Aquifer	Medina	Nueces	Published Reports / Data	17,955	17,955
17	Leona Gravel Aquifer	Medina	San Antonio	Published Reports / Data	4,062	4,062
18	San Marcos River Alluvium	Caldwell	Guadalupe	Published Reports / Data	271	271

Notes:

* Revisions from TWDB Groundwater Availabilities denoted in red text.

Identified Water Needs

See Handout A, Section 3.0

- WUGs with identified water needs are included in Appendix A.
- Technical Memorandum includes:
  - WUGs with Needs and their decadal volumes are included in a DB27 report in Section 3.0 and Appendix A of Tech Memo
  - Table of Potentially Feasible WMSs for WUGs with Identified Needs are included in Appendix F of Tech Memo

Existing Water Supplies: Methodology

See Handout A, Section 4.0

Data Sources

- 2021 Region L Water Plan
- Supplies & Strategies Survey responses from WUGs and WWPs
- Direct coordination with WUGs and WWPs with multiple sources/sales/transfers or high population growth:
  - San Antonio Water System (SAWS)
  - Guadalupe-Blanco River Authority (GBRA)
  - San Marcos
  - New Braunfels Utilities
  - Canyon Regional Water Authority (CRWA)
  - Others, as needed
- Historic TWDB Water Use Survey Detailed Groundwater Pumpage by County
- Permit information from GCDs and EAA
- TCEQ Drinking Water Watch (DWW)

Compile and Update Data in DB27 (Appendix A of Tech Memo)

Infeasible WMSs from 2021 Plan

See Handout A, Section 5.0

Evaluation and Results (Presented to RWPG on November 2, 2023)

- Evaluated WMSs and WMSPs for feasibility
- Reached out to project sponsors via email and phone call to receive updates on project status.
- Established feasibility for all projects from the evaluation of the 2021 Regional Water Plan (RWP)

Statement in Tech Memo, Section 5.0
The analysis identified no infeasible WMSs or WMSPs; therefore, an amendment of the 2021 RWP is not necessary.

Documented Process for Identifying Potentially Feasible WMS

See Handout A, Section 6.0

- RWPG approved process presented on November 2, 2023
- Included in Section 6.0 and Appendix E of Tech Memo

Potentially Feasible Water Management Strategies

See Handout A, Section 7.0

- Included in Section 7.0 and Appendix F of Tech Memo
- Uses template provided by TWDB to identify categories of strategies that are potentially feasible for WUGs with Needs
- List based on strategies from 2021 Plan and feedback from WUGs and WWPs this cycle

Interregional Coordination Efforts

See Handout A, Section 8.0

- Presented updates in previous RWPG meetings
- Included in Section 8.0 of Tech Memo
- Interregional coordination efforts to date include:
  - Regular meetings or conversations with consultants in Regions G, K, M, and P
  - Regular reports from interregional liaisons
  - Engagement and membership in the Interregional Planning Council
  - Engagement in Regional Water Planning Chairs' Meetings

Next Steps

RWPG receives and considers public comments

RWPG approves Tech Memo submittal (action proposed in next agenda item)

Consultant submits Tech Memo to TWDB by March 4, 2024

Public Comment Regarding 2026 Regional Water Planning Technical Memorandum

AGENDA ITEM NO.10 – CONSIDERATION AND APPROVAL REGARDING THE 2026 REGIONAL WATER PLANNING TECHNICAL MEMORANDUM

A. DISCUSSION AND APPROPRIATE ACTION REGARDING APPROVAL AND AUTHORIZATION TO SUBMIT THE TECHNICAL MEMORANDUM TO TWDB

B. DISCUSSION AND APPROPRIATE ACTION FOR THE TECHNICAL CONSULTANT TO ADDRESS 2027 STATE WATER PLANNING DATABASE (DB27) UPDATES AND NON-SUBSTANTIVE REVISIONS TO THE TECHNICAL MEMORANDUM

C. DISCUSSION AND APPROPRIATE ACTION FOR THE TECHNICAL CONSULTANT TO ADDRESS ANY REQUESTS FROM TWDB ASSOCIATED WITH PROCESSING THE TECHNICAL MEMORANDUM

2/14/2024

Agenda Item 10: Consideration and Approval Regarding the 2026 Regional Water Planning Technical Memorandum

Recommendation

Consider Action to:

- Approve the Technical Consultant to submit the Technical Memorandum to TWDB
- Approve the Technical Consultant to address DB27 updates and non-substantive revisions to the Technical Memorandum
- Approve the Technical Consultant to address any requests from TWDB associated with processing the Technical Memorandum

AGENDA ITEM NO.11 – CONSIDERATION AND APPROVAL REGARDING TASK 5B SCOPES OF WORK

A. DISCUSSION AND APPROPRIATE ACTION REGARDING APPROVAL AND AUTHORIZATION TO SUBMIT THE NOTICE-TO-PROCEED SCOPE OF WORK REQUEST TO THE TWDB

B. DISCUSSION AND APPROPRIATE ACTION TO AUTHORIZE THE TECHNICAL CONSULTANT AND/OR THE SAN ANTONIO RIVER AUTHORITY TO WORK WITH THE TWDB ON ANY FOLLOW-UP INFORMATION THAT MAY BE REQUIRED

C. DISCUSSION AND APPROPRIATE ACTION TO AUTHORIZE THE SAN ANTONIO RIVER AUTHORITY TO NEGOTIATE AND EXECUTE SUBSEQUENT TWDB CONTRACT AMENDMENT THAT WILL BE ISSUED

Agenda Item 11: Consideration and Approval Regarding Task 5B Scopes of Work

Scope of Work for Task 5B

See Handout B for Draft SOW

- ❖ **Advanced Water Conservation**
- ❖ ➢ **Non-municipal Water Conservation**
  - Drought Management
  - Edwards Transfers
- ❖ **Fresh Groundwater Development**
- ➢ **Brackish Groundwater Development**
  - Groundwater Conversions
  - Surface Water Rights
  - Balancing Storage
  - Facilities Expansion
  - Recycled Water Strategies
- ➢ **Brush Management**
- ➢ **Rainwater Harvesting**
  - SAWS Expanded Local Carrizo Project
  - SAWS Expanded Brackish Groundwater Project
- ➢ **SAWS Regional Wilcox Project**
  - ARWA Project (Phase 2)
  - ARWA Project (Phase 3)
- ❖ **GBRA WaterSECURE**
  - GBRA Lower Basin New Appropriation
  - CRWA Wells Ranch (Phase 3)
  - CRWA Siesta Project
  - CRWA Expanded Brackish Carrizo-Wilcox Project
  - CVLGC Carrizo Project
  - SSLGC Expanded Carrizo Project
  - SSLGC Expanded Brackish Wilcox Project
  - NBU ASR
  - NBU Trinity Well Field Expansion
  - City of Victoria ASR
  - City of Victoria Groundwater-Surface Water Exchange
  - Additional WMSs, As Necessary

➢ New Strategy
❖ Top 4 Budget Efforts

Recommendation

Consider Action to:

- Approve the Technical Consultant to submit the notice-to-proceed Scope of Work request to the TWDB
- Authorize the Technical Consultant and/or the San Antonio River Authority to Work with the TWDB on any follow-up information that may be required
- Approve the San Antonio River Authority to negotiate and execute subsequent TWDB contract amendment that will be issued

AGENDA ITEM NO.12 – PRESENTATION REGARDING REQUEST FOR AMENDMENT TO 2021 RWP

A. REVIEW, DISCUSS, AND CONSIDER ACTION REGARDING APPROVAL TO SUBMIT A MINOR AMENDMENT DETERMINATION REQUEST TO TWDB FOR MODIFICATIONS TO GBRA'S PROPOSED LOWER BASIN STORAGE AND/OR MID-BASIN (PHASE 2) WMS PROJECTS AS DESCRIBED IN THE 2021 SOUTH CENTRAL TEXAS REGIONAL WATER PLAN AND 2022 STATE WATER PLAN

B. DISCUSSION AND APPROPRIATE ACTION TO PURSUE AN AMENDMENT TO THE 2021 SOUTH CENTRAL TEXAS REGIONAL WATER PLAN FOR MODIFICATIONS TO GBRA'S PROPOSED LOWER BASIN STORAGE AND/OR MID-BASIN (PHASE 2) WMS PROJECTS

GBRA

Guadalupe-Blanco River Authority

Your Trusted
Water Resource

GBRA.ORG

Request for Amendment to 2021 Regional Water Plan & "Minor Amendment Determination"

GBRA.ORG

Why?

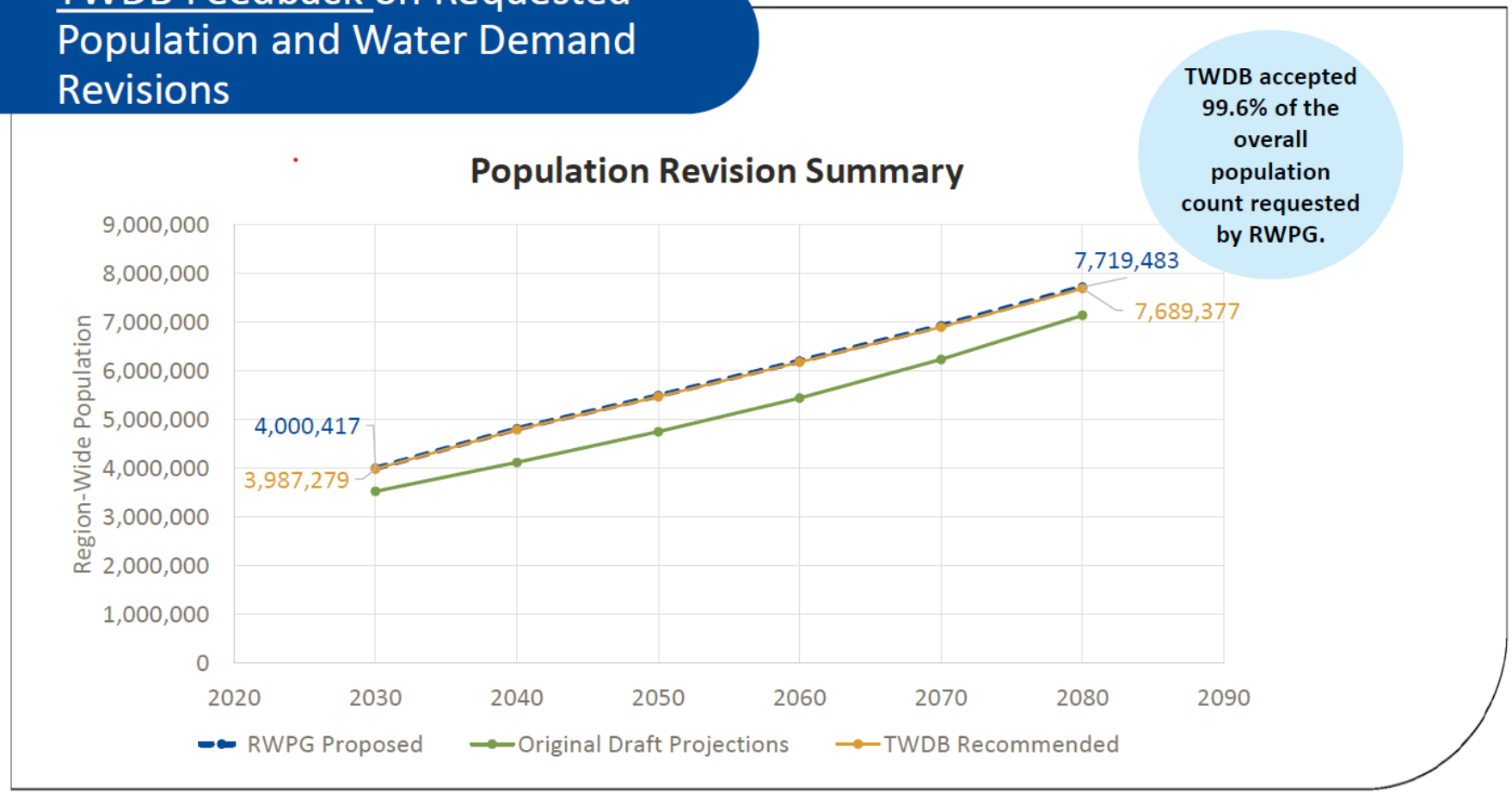
Examples of why a regional water plan amendment might need to be initiated include:

- A political subdivision of the state of Texas in the regional water planning area may request an amendment from the RWPG on the basis of changed conditions or new information.
- In order for projects to be eligible for funding from the State Water Implementation Fund for Texas (SWIFT), projects must be recommended in the most recent regional and state water plans and all project components must have an associated capital cost.
  - ✓ Eligible SWIFT projects are recommended water management strategy projects in the most recently adopted state water plan at the time abridged applications are due to TWDB for consideration.
  - ✓ Eligible projects include conservation and reuse, desalinating groundwater and seawater, building new pipelines, developing reservoirs and wells fields, purchasing water rights, as well as numerous other strategies. Only the project components specified in the plan are eligible for SWIFT financing. For example, if the project is listed in the plan as "construction of a well field," but does not list a pipeline for delivery of that water, the pipeline would not be eligible for the SWIFT program.

Source: TWDB

Changed Conditions!

TWDB Feedback on Requested Population and Water Demand Revisions



Source: Black & Veatch/Region L

GBRA
Guadalupe-Blanco River Authority

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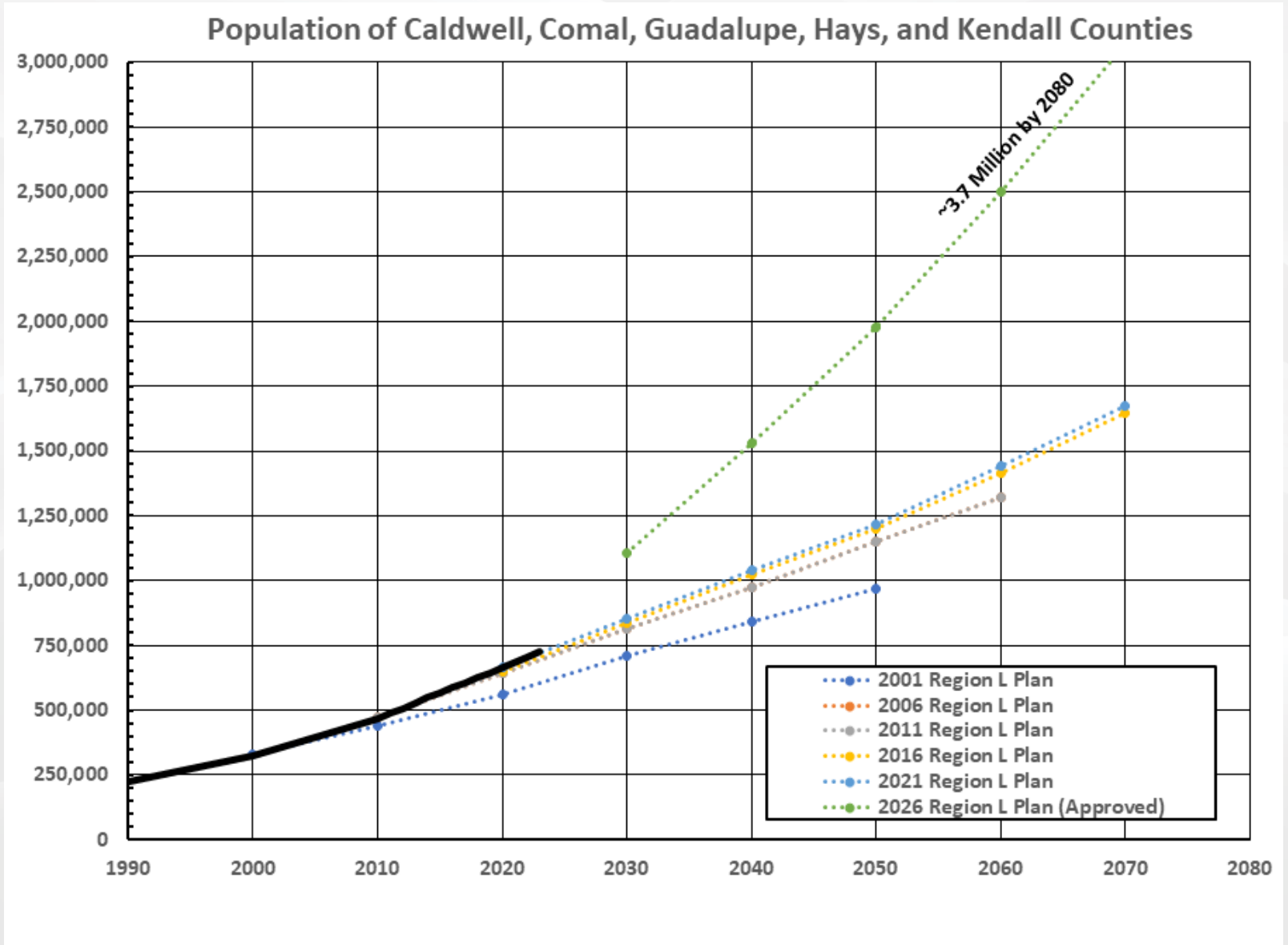
Changed Conditions!



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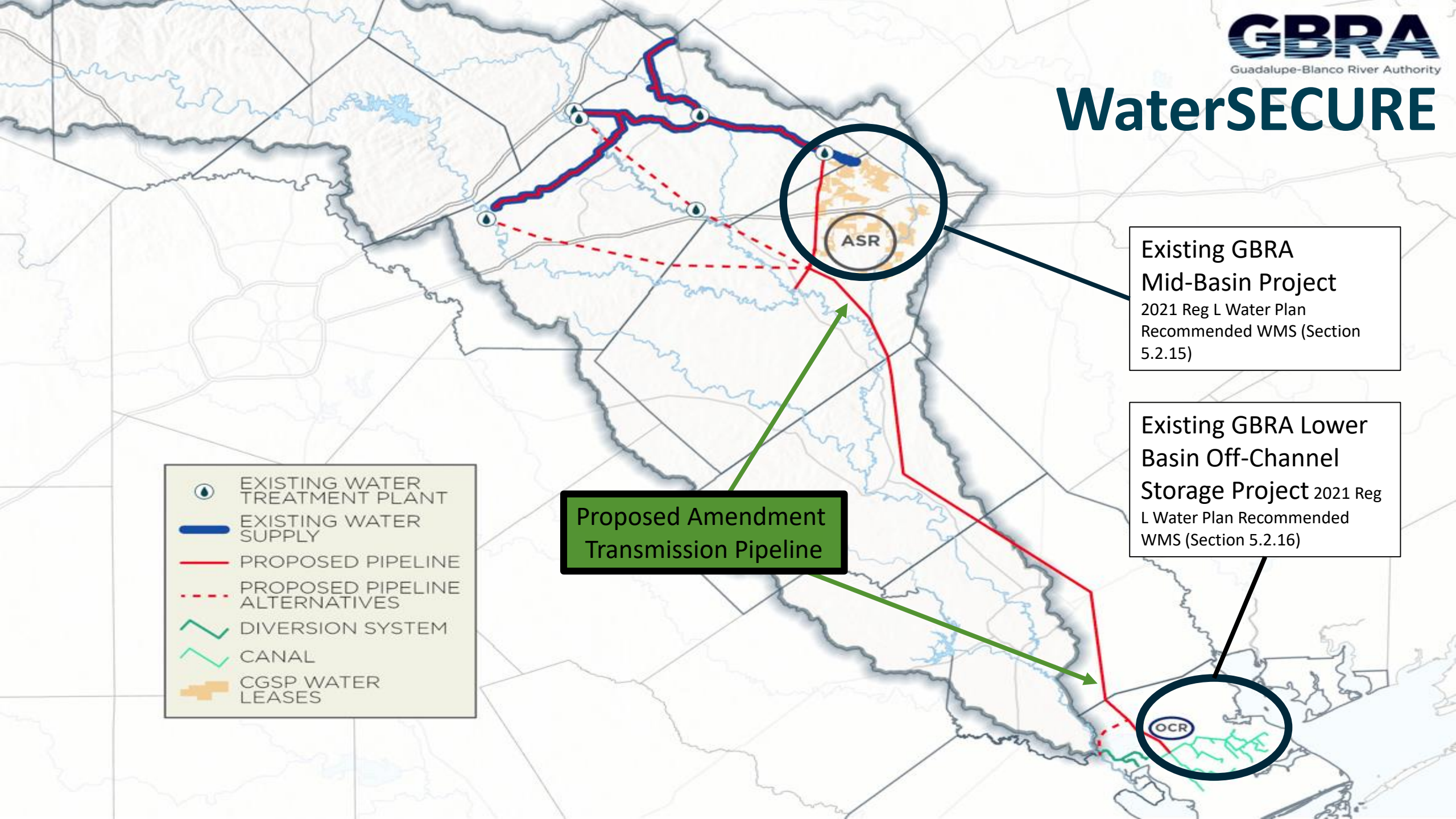
WaterSECURE



Minor Amendments

Requirements

Changes do not:

- ✓ result in over-allocation
- ✓ relate to a new reservoir
- ✓ increase unmet needs or produce new unmet needs
- ✓ have a significant effect on instream flows, environmental flows, or freshwater flows to bays and estuaries
- ✓ have a significant substantive impact on water planning or previously adopted management strategies
- ✓ delete or change any legal requirements of a plan

Process

- ❑ The RWPG considers a request and takes action to pursue the amendment .
- ❑ RWPG submits a request for a "minor amendment determination" to the TWDB.
  - ➢ The TWDB reviews the request and issues a determination on whether the amendment is minor or major.

Source: TWDB & TAC §357.51

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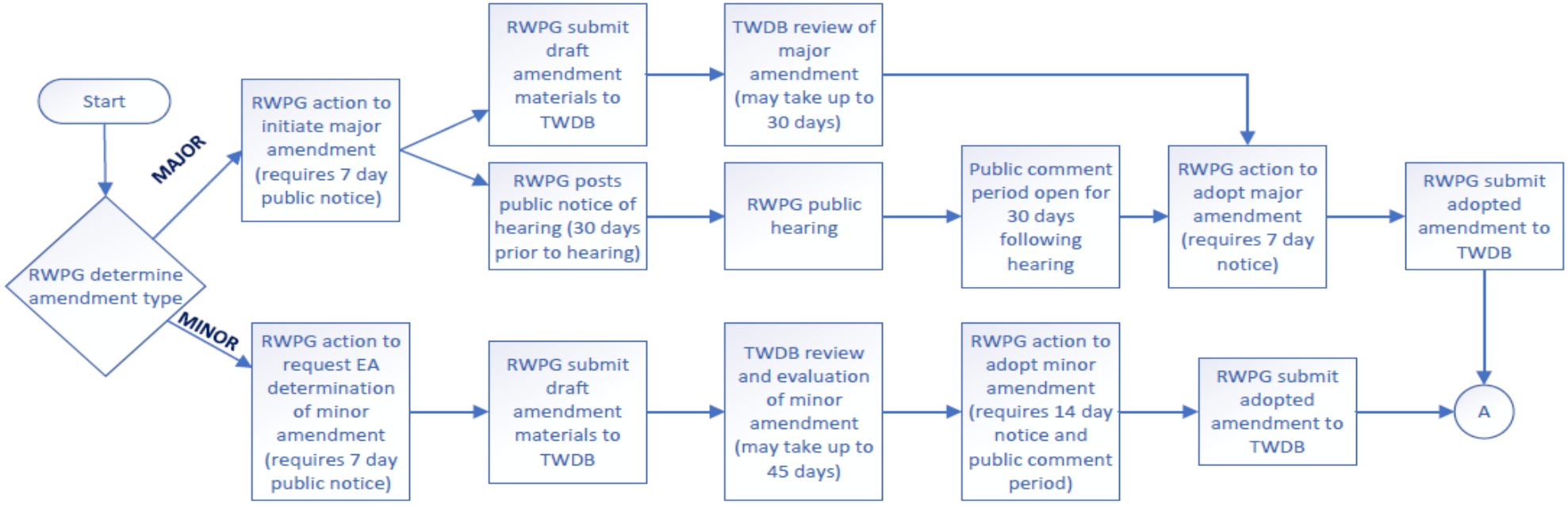
Regional and State Water Plan Amendment Process

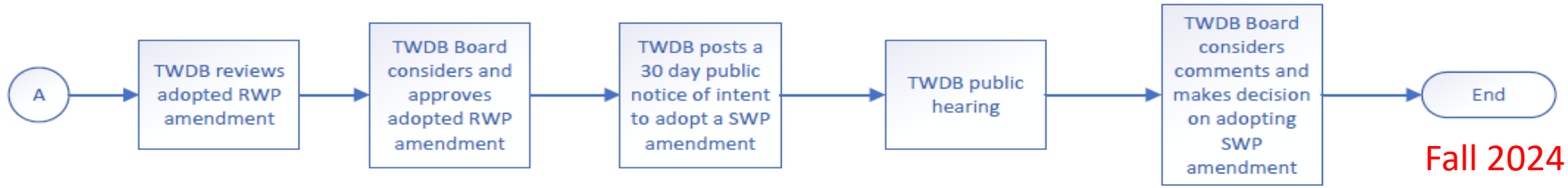
RWPG Amendment Process for RWP

Major amendment process may take approximately three (3) months and includes two (2) RWPG meetings and one (1) hearing. Minor amendment process may take approximately 2.5 months and includes two (2) RWPG meetings.



TWDB Amendment Process for SWP

TWDB amendment process may take approximately three (3) months, subject to the timing of TWDB Board meetings.



Acronyms:
TWDB: Texas Water Development Board
RWPG: Regional Water Planning Group
RWP: Regional Water Plan
SWP: State Water Plan

Source: TWDB
Updated September 2022

GBRA
Guadalupe-Blanco River Authority

Questions?

Requested Action Item 12:

- a: Approval to Submit a Minor Amendment Determination Request to TWDB for Modifications to GBRA's Proposed Lower Basin Storage and/or Mid-Basin (Phase 2) WMS Projects as Described in the 2021 South Central Texas Regional Water Plan and 2022 State Water Plan.
- b: Pursue an Amendment to the 2021 South Central Texas Regional Water Plan for Modifications to GBRA's Proposed Lower Basin Storage and/or Mid-Basin(Phase 2) WMS Projects.

GBRA
Guadalupe-Blanco River Authority

AGENDA ITEM NO.13 – DISCUSSION AND POSSIBLE ACTION REGARDING THE CONSISTENCY WAIVER FOR TWDB PROJECT 21825 - CRYSTAL CLEAR SUD 2024 CAPITAL IMPROVEMENTS PROJECT

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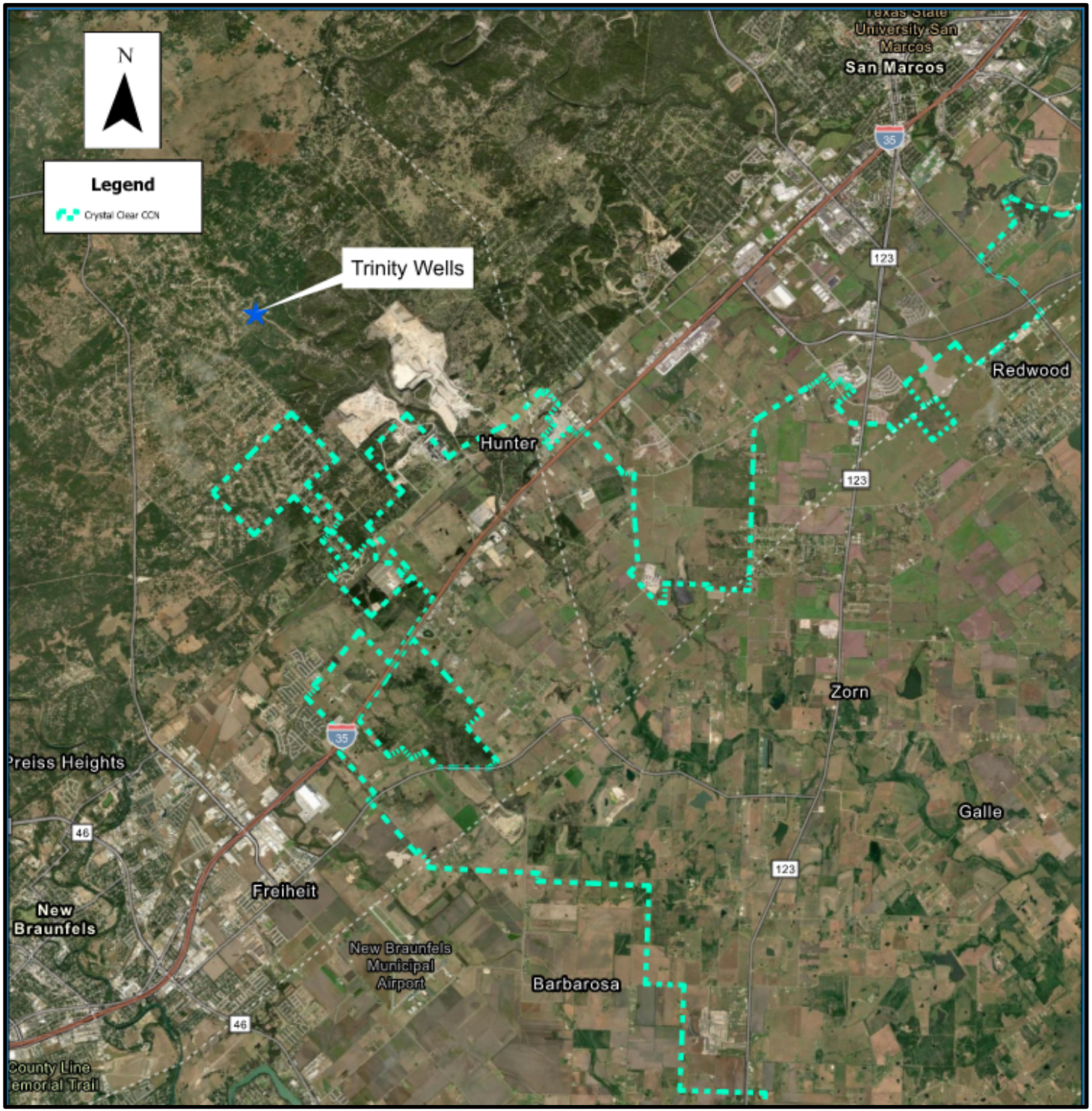
CRYSTAL CLEAR
SPECIAL UTILITY DISTRICT

Crystal Clear SUD

Consistency Waiver Request

Trinity Wells Completion and Access Project

February 14, 2024



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Project Map

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Project Background

- Three (3) Trinity wells were drilled in 2012 to explore a new water source for the District. At the time, the purpose of drilling the wells was to test them for water quality and productivity.
- Completion of the wells was not necessary at that time because there was not enough water demand in the system. However, with the recent increase in system growth, the demand for additional water sources are necessary.
- The proposed project consists of the development and completion of the three (3) Trinity wells with the combined production capacity of 2,463 gpm to meet the District's growing water demands.
- The total TWDB funding for this project is approximately $2,304,063. This includes environmental and planning costs.

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Need for Project

- The water system has grown an average of 3% annually from 2019 to 2021 and 12% annually over the last 2 years.
- Service area growth projections estimate that the water system will grow from 6,000 connections to 12,500 connections in the next 20 years using an annual growth rate of 3%. If growth continues at 12%, the number of connections could be as high as 70,000 in 20 years.

3% Growth Projections						
Year	**Current**	**2025**	**2030**	**2035**	**2040**	**2045**
Population	17,383	18,608	22,089	26,269	31,297	37,358
Connections (Population/3)	5,794	6,203	7,363	8,756	10,432	12,453
Water Demand (AF/Year)	1,947	2,084	2,474	2,942	3,506	4,185

12% Growth Projections						
Year	**Current**	**2025**	**2030**	**2035**	**2040**	**2045**
Population	17,383	21,821	38,531	68,046	120,189	212,322
Connections (Population/3)	5,794	7,274	12,844	22,682	40,063	70,774
Water Demand (AF/Year)	1,947	2,444	4,316	7,622	13,463	23,783

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Water Source/Available Supply

Source	Capacity (AF/Year)	Capacity (GPM)
Groundwater Sources		
Edwards Aquifer		
Nelson Well #1	864.6	800
Nelson Well #2	1187.009	2,400
Subtotal	**2,051.609**	**3,200**
Purchased Water Sources		
CRWA Lake Dunlap	500	2,000
CRWA Wells Ranch Groundwater	792	
CRWA Hays Caldwell	500	1,500
Subtotal	**1,792**	**3,500**
Total	**3,843.609**	**6,700**

- Based on projected demands, the following is estimated as to when Crystal Clear SUD will need additional source supply.
  - Existing Water Supply = 3,843.61 AF/Year
  - 3% Projected Demand
    - Year: 2040
    - Demand: 3,506 AF/Year
  - 12% Projected Demand
    - Year: 2028
    - Demand: 3,438 AF/Year

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Project Description

- The project scope includes planning and construction of the three Trinity wells. Design and construction related permits are complete.
- Project also includes land clearing, gates and all-weather access roads to establish access from the nearest roadway to each of the well sites.
- Location of Trinity wells are located where this source can be blended with Edwards Aquifer (if needed) to meet drinking water quality standards.

Alternatives Considered

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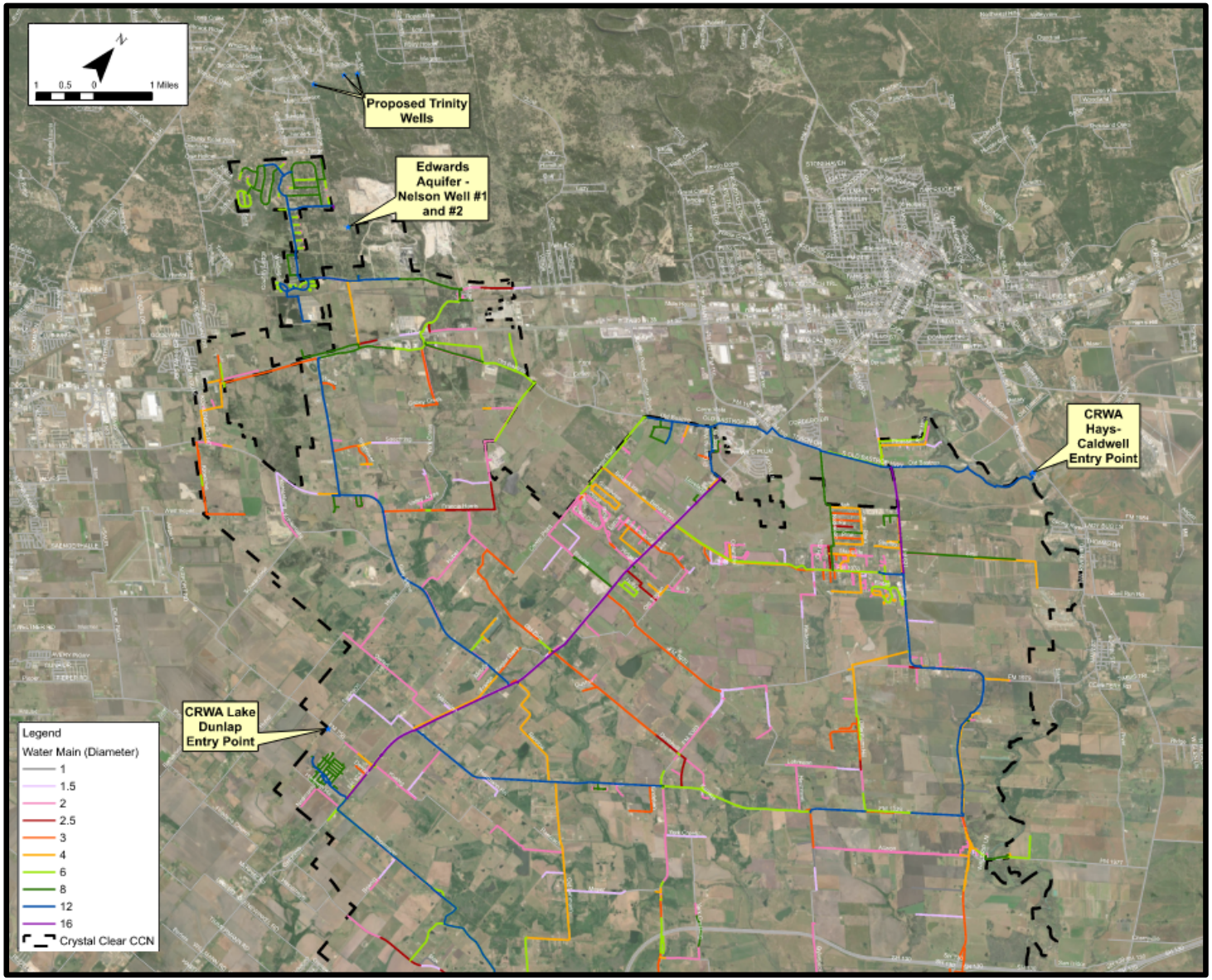

No feasible options for the District to purchase additional water rights or treat larger volumes of water from existing sources. Crystal Clear SUD's efforts are listed below:

- CRWA does not have additional water rights from either Hays Caldwell or Lake Dunlap sources
- CCSUD has 300 AF/year of purchased Guadalupe River water with no treatment capacity to treat the raw surface water.
- Neighboring water purveyors do not have additional supplies to share water supply due to the rapid growth in the area

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Supply from Trinity Wells

- The source of water for the wells is the Trinity Aquifer.
- The wells are expected to provide 2,463 gpm. This equates to 1,988 AF/year for 12 hours per day pumping.
- Based on historical groundwater pumping data and existing allocations from the 2021 Region L Water Plan, additional water is available from the Trinity Aquifer in Comal County. Refer to the next two slides.

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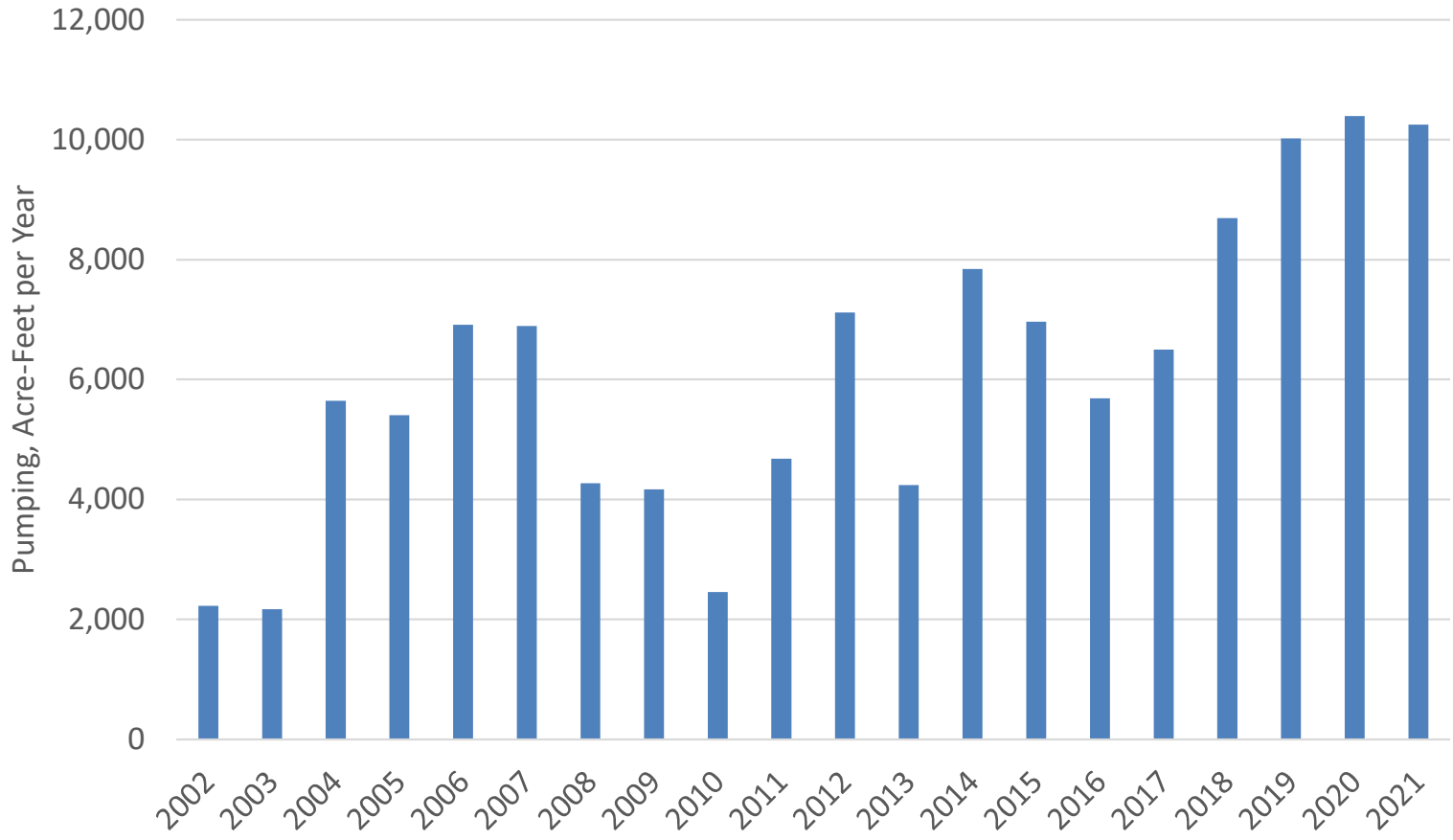
20-Year Historical Trinity Aquifer Pumping - Comal County

(Source: https://www.twdb.texas.gov/waterplanning/waterusesurvey/historical-pumpage.asp)



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Available Water Analysis – Region L Water Plan Data

Available Water Analysis - Trinity Aquifer - Comal County (AF/Year)	
A. Groundwater Availability	43,768
B. Existing Allocations in Region L Water Plan	16,824
C. Availability Remaining for WMS per 2021 Region L Plan	26,944

Project Information – Part 1

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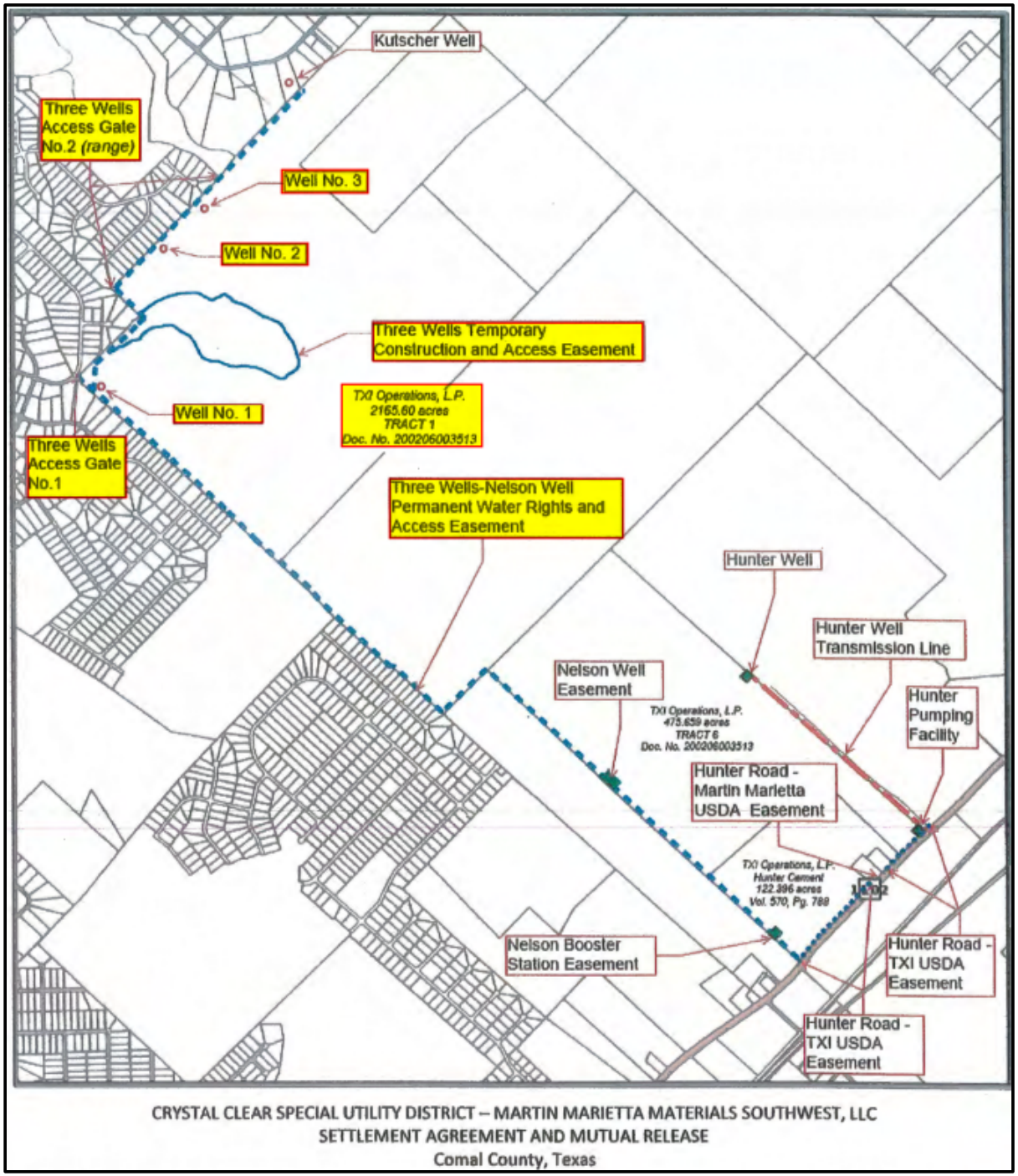

Permanent Water Rights and Access Easement agreement between TXI Operations, L.P. and Crystal Clear SUD dated September 11, 2019

- Ownership and operation of the three Trinity Wells granted to Crystal Clear SUD
- Two points of gate access from the River Chase Subdivision
- Three Wells-Nelson Well Permanent Water Rights and Access Easement from FM 1102 (50-foot in width)
- Temporary Construction and Access Easement (20-feet in width)
- 150-foot radius sanitary control easement around each well
- Water wells are registered with the Comal Trinity Groundwater Conservation District. Production permits will be obtained after the wells are completed.

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Project Information – Part 2

Capacities and water quality are based on the Trinity Well Project report dated May 2015 provided by Wet Rock Groundwater Services, LLC

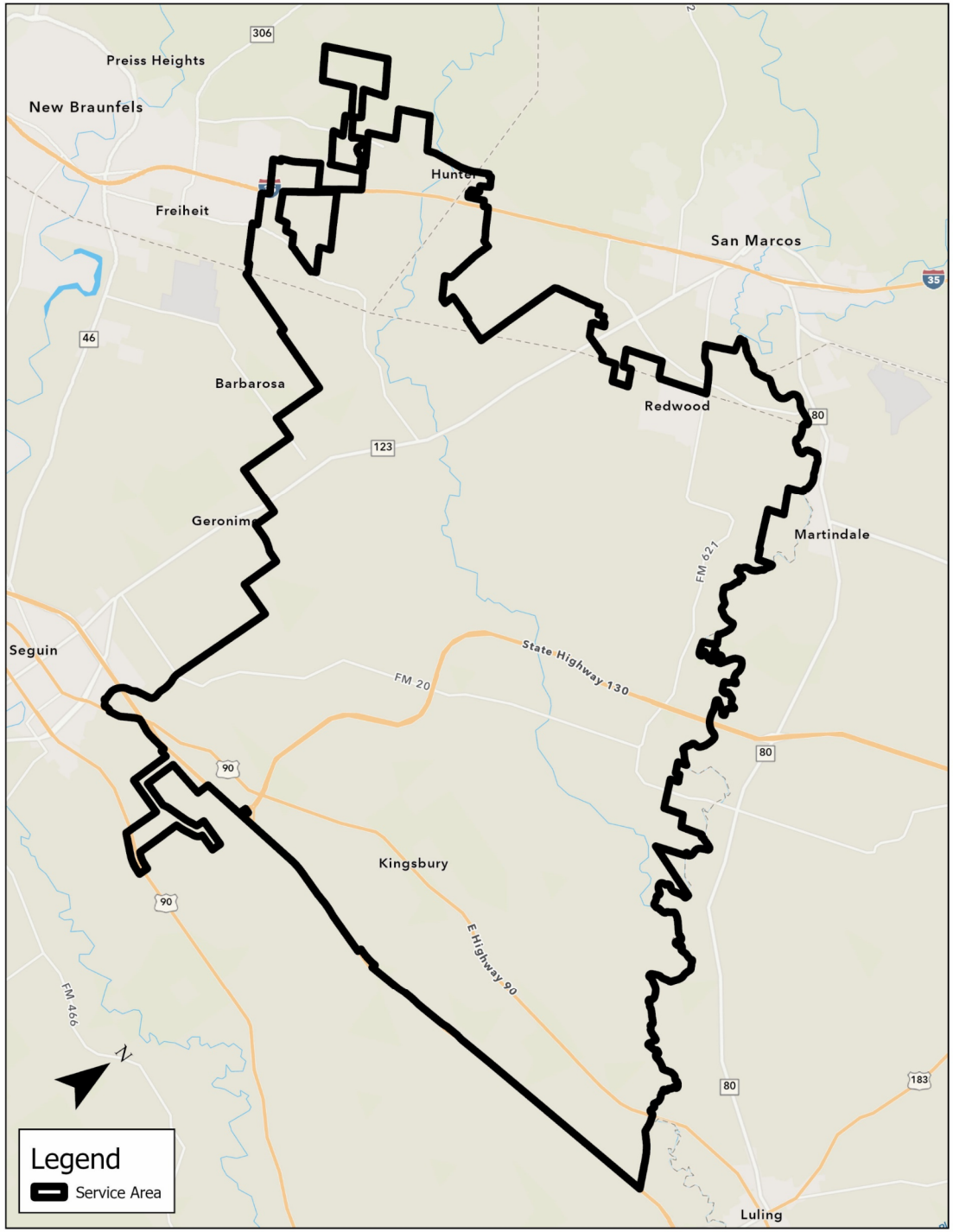
- Total Maximum Production Capacity
  - Prior to acidization = 1,641 gpm
  - After acidization = 2,463 gpm
- Water quality is good but expected to have high levels of total dissolved solids, fluorine, iron, and sulphates. Refer to next slide.

	Prior to Acidization						After Acidization		
Well	Date of Test	Specific Capacity (gpm/ft)	Pump Setting (feet)	Pumping Rate (gpm)	Duration (hours)	Maximum Production Capacity (gpm)	Pumping Rate (gpm)	Duration (hours)	Maximum Production Capacity (gpm)
TXI Well No. 1	5/24/2012	0.4	630	100	24	141			212
TXI Well No. 2	9/12/2012	3.2	680	275	25	1,079			1,619
TXI Well No. 3	11/1/2012	1.8	620	237	29	421			632

	Well Name	Sample Date	pH	TDS	As	Cl	F	Fe	N	Mn	Al	Cu	Zn	SO_4	NO_3
				(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
	PCL[1], SCL[2]		≥ 7.0[2]	1,000 [2]	0.01 [1]	300 [2]	4.0 [1] & 2.0 [2]	0.3 [2]	1.0 [1]	0.05 [2]	0.2 [2]	1.0 [2]	5.0 [2]	300 [2]	10 [1]
TXI Test Well No. 1	Drilling @ 1,030 ft	5/9/2012	7.9	1,270	0.008	40	4.24	0.074	<0.005	0.286	0.019	<0.005	<0.010	722	
	Drilling @ 1,080 ft	5/9/2012	7.9	1,288	0.008	36	4.44	0.197	<0.005	0.089	0.304	<0.005	<0.010	702	
	Drilling @ 1,100 ft	5/9/2012	7.9	1,268	0.008	35	4.42	0.136	<0.005	0.080	0.115	<0.005	<0.010	698	
	Entire Well	5/25/2012	7.2	1,270	0.005	40	5.00	0.108		<0.010	<0.010	<0.005	0.032	632	
TXI Test Well No. 2	Drilling @ 630 ft	8/20/2012	8.4	469	0.002	17	3.14	0.06	<0.005	0.06	0.062	<0.005	<0.01	169	<0.05
	Drilling @ 1,000 ft	8/20/2012	8.3	2,260	0.009	116	4.59	0.055	<0.005	0.243	0.019	<0.005	<0.01	1,490	<0.05
	Drilling @ 1,100 ft	8/20/2012	8.1	1,836	0.008	126	4.98	0.088	<0.005	0.079	0.026	<0.005	<0.01	1,205	<0.05
	Drilling @ 1,140 ft	8/21/2012	8.3	1,820	0.009	126	5.1	0.22	<0.005	0.03	0.02	<0.005	<0.01	1,090	<0.05
	Packer (850 ft to TD)	9/6/2012	7.3	1,776	0.01	126	4.81	0.181	<0.005	<0.01	<0.01	<0.005	0.043	1,075	<0.05
	Entire Well	9/12/2012	7.6	1,568	0.009	90	5.91	0.066	<0.005	<0.01	<0.01	<0.005	0.031	1,015	NA
TXI Test Well No. 3	Packer (surface to 735 ft)	10/24/2012	7.5	837	NA	24	3.85	NA	<0.005	NA	NA	NA	NA	350	NA
	Packer (surface to 1,076 ft)	10/26/2012	7.4	698	NA	19.5	3.54	NA	<0.005	NA	NA	NA	NA	276	NA
	Packer (1,076 ft to TD)	10/26/2012	7.4	860	NA	30.5	3.92	NA	<0.005	NA	NA	NA	NA	393	NA
	Entire Well	11/1/2012	7.3	1,110	NA	NA	3.97	NA	<0.005	NA	NA	NA	NA	578	NA

Project Service Area

- This waiver request is limited to the Region L water planning area.



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Why is the Project not in the Regional Water Plan?

- The District historically has been a rural water supply company that has not formally participated in Region L planning meetings.
- Development of this water source was originally intended to be self-funded by the District.
- However, recent high growth rate in the District has increased the priority of the project and outside funding is now required.

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Current Status of Loan – Timeline

- Loan application submitted: December 2023
- Expected loan TWDB approval: July 2024
- Planning Phase: September 2024
- Design Phase: October 2024
- Construction start date: December 2024
- Construction completion: June 2025

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Crystal Clear SUD's Interactions with Region L RWPG

- Crystal Clear SUD and M&S Engineering Staff have been corresponding by email since December 2023 discussing the need for a consistency waiver request for the 2024 Capital Improvements Project funding.
- Crystal Clear SUD and M&S Engineering Staff plan to be present for the RWPG Meeting held February 14, 2024.

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Conclusion

- In conclusion, Crystal Clear SUD requests that a consistency waiver be granted for the proposed Trinity Wells project.
- Crystal Clear SUD has an immediate need to develop new water sources for its system due to recent growth rate trends.
- The existing Region L Water Plan states that 26,944 AF/year of groundwater is available for WMS in Comal County.
- This project should be considered for funding to ensure adequate water supply is available for the service area.

February 15, 2024

Mr. Jeff Walker
Executive Administrator
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711-3231

Re: Consistency Waiver Letter Request
Crystal Clear SUD Trinity Wells Completion and Access Project

Mr. Walker,

At the South-Central Texas Regional Water Planning Group (SCTRWPG) meeting on February 14, 2024, three representatives for Crystal Clear Special Utility District (CCSUD or the District) attended to support the consistency waiver request (item 13) on the agenda. The representatives were Regina Franke, General Manager of the District; and Brady Kosub, P.E. and Carissa Parker with M&S Engineering (M&S). The District and M&S requested the SCTRWPG's support for a consistency waiver to the 2021 Region L South Central Texas Regional Water Plan for the Trinity Wells Completion and Access project.

On December 1, 2023, M&S submitted a TWDB Development Fund application for the 2024 Capital Improvements Projects on behalf of the District. Subsequently, on December 18, 2023, M&S was made aware that a portion of the 2024 Capital Improvements Projects, involving the completion of three (3) new water supply wells drilled into the Trinity Aquifer was inconsistent with the 2021 Region L Regional Water Plan and the 2022 State Water Plan. Regina Franke, General Manager of the District, and Carissa Parker, the Project Manager at M&S Engineering collectively decided to pursue the consistency waiver request for the Trinity Wells Completion and Access projects.

The purpose of this letter is to summarize the project and the findings of the SCTRWPG as they relate to the District's consistency waiver request for this project.

The proposed Trinity Wells Completion and Access project generally consists of testing, completing and pumping of three (3) Trinity Aquifer wells located in eastern Comal County. The wells were drilled and cased in 2013 but have not been developed further since that time. Each well must be tested for both water quality and yield and then isolated to a single aquifer unit (Upper or Middle Trinity) to allow them to be permitted with the Comal Trinity Groundwater Conservation District. The project also includes some land clearing, gates and all-weather access roads to establish access from the nearest roadway to each of the well sites. The proposed Trinity Wells Completion and Access scope includes planning and construction. The design has already been completed.

The purpose of this project is to meet the District's growing water demands. The District's water system has grown an average of 3% annually from 2019 to 2021 and 12% annually over the last 2 years. In this region, the current water sources consist of 1,792 acre-feet per year of surface water from the

Guadalupe River Basin and 2,052 acre-feet per year in Edwards Aquifer groundwater supply. The Trinity Wells project is expected to provide an additional 1,988 acre-feet per year if the wells pump an average of 12 hours per day.

Historically, the District has been a rural water supply company that has not formally participated in the Region L planning meetings and the project was originally intended to be self-funded. However, with the recent growth in the District, additional water supply is anticipated much sooner. Thus, additional funding is now required.

The resolution adopted by the SCTRWPG at the February 14, 2024, meeting is as follows:

[ENTER RESOLUTION OUTCOME HERE.]

Feel free to contact me if you have any questions regarding this request.

Regards,

Tim Andruss
Chair, South Central Texas Regional Water Planning Group

AGENDA ITEM NO.14 – DISCUSSION AND APPROPRIATE ACTION REGARDING THE ESTABLISHMENT OF ADDITIONAL SUBCOMMITTEES

Agenda Item 14: Discussion and Appropriate Action Regarding the Establishment of Additional Subcommittees

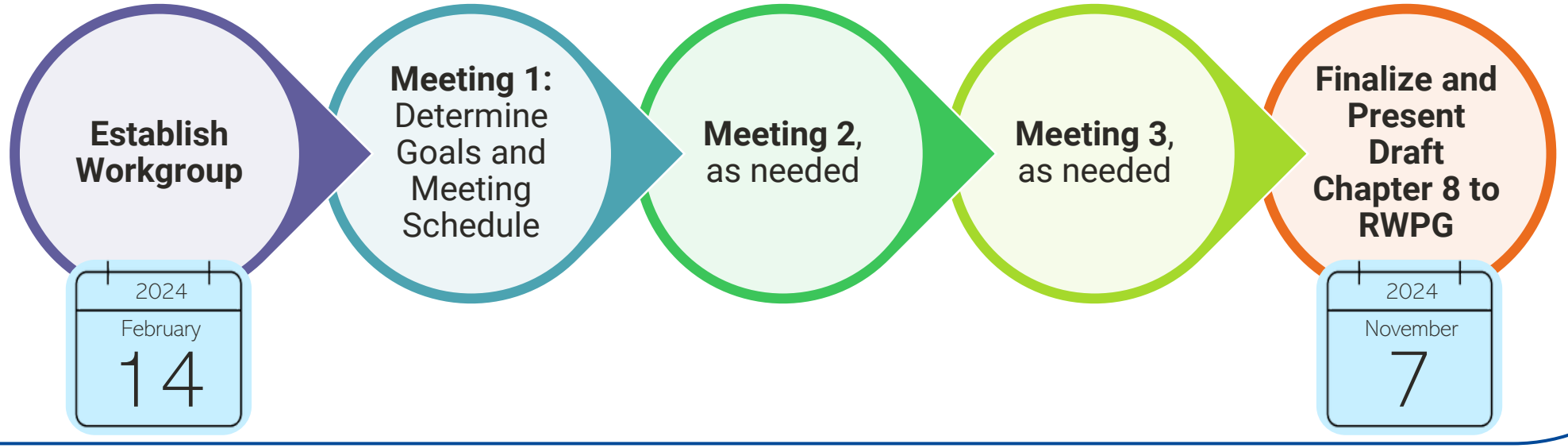
Region L has historically established workgroups to:

- Continue and enhance stakeholder engagement
- Tackle complex technical subjects
- Evaluate topics of significance to the South Central Texas Regional Water Planning Group (SCTRWPG)

Policy Recommendations Workgroup

Roles and Responsibilities:

- Meet to collaboratively draft Chapter 8: Recommendations Regarding Unique Stream Segments and/or Reservoir Sites and Legislative & Regional Policy Issues (Task 8)
- Complete draft Chapter 8 for presentation at November RWPG Meeting



Discussion

HANDOUT A - DRAFT TECHNICAL MEMORANDUM

DRAFT

TECHNICAL MEMORANDUM

2026 South Central Texas Regional Water Plan

B&V PROJECT NO. 411170

PREPARED FOR

South Central Texas Regional Water Planning Group & Texas Water Development Board

6 FEBRUARY 2024

BLACK & VEATCH

Table of Contents

LIST OF TABLES

APPENDICES

List of Abbreviations

acft/yr	Acre-Feet per Year
BFZ	Balcones Fault Zone
DB27	2027 State Water Planning Database
DFC	Desired Future Condition
EAA	Edwards Aquifer Authority
EAHCP	Edwards Aquifer Habitat Conservation Plan
EARM	Empirical Area-Reduction Method
GAM	Groundwater Availability Model
GCD	Groundwater Conservation District
GMA	Groundwater Management Area
GSA WAM	Guadalupe-San Antonio River Basin Water Availability Model
HCP	Habitat Conservation Plan
MAG	Modeled Available Groundwater
PGMA	Priority Groundwater Management Area
Region J	Plateau Region
Region K	Lower Colorado Region
Region L	South Central Texas Region
Region M	Rio Grande Region
Region N	Coastal Bend Region
Region P	Lavaca Region
RWPG	Regional Water Planning Group
SCTRWPG	South Central Texas Regional Water Planning Group
SV/SA	Storage Volume-Surface Area
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
TWDB	Texas Water Development Board
WAM	Water Availability Model
WUG	Water User Group
WWP	Wholesale Water Provider
WWTP	Wastewater Treatment Plant

1.0 INTRODUCTION

At its meeting on February 14, 2024, the South Central Texas (Region L) Regional Water Planning Group (SCTRWPG) reviewed the information pertinent to this Technical Memorandum, allotted additional time to its technical consultant, Black & Veatch, to continue updating the 2027 State Water Planning Database (DB27), and approved the submittal of the Technical Memorandum to the Texas Water Development Board (TWDB).

This Technical Memorandum is intended to be a snapshot of the planning process at approximately the halfway point of the planning cycle to document the progress of plan development. Information contained in this Technical Memorandum is preliminary, as the SCTRWPG and Black & Veatch will continue to refine the data through the remainder of the planning process. Specifically, it should be noted that estimates of Existing Supplies and calculation of Identified Needs may change between the submittal of this Technical Memorandum and the adoption of the 2026 Region L Regional Water Plan.

2.0 SUMMARY OF PUBLIC COMMENTS

Rules in Title 31 of the Texas Administrative Code (TAC) Chapter 357.21(g)(2) describe notice requirements when a RWPG approves submittal of the Technical Memorandum. Specifically, notice must be provided at least 14 days prior to the meeting, written comment must be accepted for 14 days prior to the meeting and considered by the RWPG members prior to taking the associated action, and meeting materials must be made available on the RWPG website for a minimum of seven days prior to and 14 days following the meeting.

The following summarizes comments received during the required comment period:

- Comments will be added as they are received.

3.0 TWDB DB27 REPORTS

The following reports have been generated from DB27 and are included in Appendix A.

1. Population Projections
2. Water Demand Projections
3. Source Water Availability
4. Existing Water Supplies
5. Identified Water Needs/Surpluses
6. Comparison of Supply, Demand, and Needs to 2021 RWP
7. Comparison of Source Availability to 2021 RWP

4.0 SOURCE WATER AVAILABILITY ASSUMPTIONS

The following describes the models and assumptions used to estimate the availability of water for surface water, groundwater, and other sources.

4.1. SURFACE WATER

4.1.1. Water Availability Models and Associated Hydrologic Variances

The SCTRWPG reviewed, considered, and approved hydrologic assumptions and needed hydrologic variances for submittal to the TWDB at the November 2, 2023, SCTRWPG meeting. Region L submitted a Hydrologic Variance Request letter to TWDB on November 15, 2023. The request letter included hydrologic variance checklists for the Guadalupe-San Antonio River Basin and the Nueces River Basin. The TWDB subsequently approved the variance requests on January 8, 2024. Appendix B includes the TWDB's approval letter of hydrologic variances with attachments that include the initial variance request submitted by Region L and a memorandum regarding hydrologic variance request recommendations.

As described in the hydrologic variance checklists, the SCTRWPG used the Texas Commission on Environmental Quality (TCEQ) Water Availability Model (WAM) Run 3, which assumes all water rights use their full authorized amount, all applicable permit conditions, such as flow requirements, are met, and no return flows. The hydrologic variance checklists also requested use of an alternative surface water model, the "Region L WAM", to assess surface water availabilities for certain reservoirs, including Canyon Reservoir, Victor Braunig Lake, Calaveras Lake, and Coleto-Creek Reservoir. The TWDB subsequently approved use of the Region L WAM in their correspondence dated January 8, 2024. Firm yields for all other reservoirs in Region L were determined using the TCEQ's unmodified WAM Run 3. Table 1 provides the original, unmodified firm yields from WAM Run 3, along with the alternative surface water model (Region L WAM) availabilities, measured in acre-feet per year (acft/yr), utilized as the basis for planning.

Table 1 Major Reservoir Firm Yields Using WAM Run 3 and the Region L WAM

SOURCE [A]	FIRM YIELD FROM UNMODIFIED WAM RUN 3 [B] (ACFT/YR)		FIRM YIELD FROM REGION L WAM [B] (ACFT/YR)	
	2030	2080	2030	2080
Canyon Reservoir	63,182	62,591	86,138	85,414
Victor Braunig Lake	7,802	7,775	12,916 [C]	12,901 [C]
Calaveras Lake	11,290	11,008	39,975 [C]	39,285 [C]
Coleto-Creek Reservoir	11,934	11,257	24,965 [C]	23,666 [C]

Notes:

[A] For all other reservoirs in Region L, firm yields were determined using the unmodified WAM Run 3. Firm yields are provided in the DB27 report (Appendix A)

[B] Firm yields incorporate sedimentation

[C] For certain reservoirs, firm yield estimates using the Region L WAM are greater than the authorized diversion amounts in their respective water rights permits. Therefore, the 2030-2080 firm yields included in DB27 are the authorized diversion amounts in the water right permits. For Victor Braunig Lake, Calaveras Lake, and Coleto-Creek Reservoir, DB27 firm yields are 12,000 acft/yr, 36,900 acft/yr, and 24,160 acft/yr, respectively.

Table 2 includes details for hydrologic models used, including the model name, version date, model input/output files used, date model used and any relevant comments. Appendix C is an electronic appendix that includes model input/output or other model files used to date in determining water availability.

Table 2 Details for Hydrologic Models Used

MODEL NAME	VERSION DATE	INPUT/OUTPUT FILES USED	DATE MODEL USED	COMMENTS
TCEQ Full Authorization WAM for the Guadalupe-San Antonio River Basin	10/1/2023	WRAP SIM input file extensions: DAT, DIS, FLO, EVA, FAD, HIS WRAP SIM output file extensions: OUT WRAP TAB input file extensions: TIN WRAP TAB output file extensions: TOU	December 2023	N/A – None
Region L WAM	WRAP SIM: December 1999 DAT File: February 2004	WRAP SIM input file extensions: DAT, DIS, INF, EVA, FAD, BSP, DAY, HUE, RCH WRAP SIM output file extensions: OUT	December 2023	N/A – None
TCEQ Full Authorization WAM for the Nueces River Basin	10/1/2023	WRAP SIM input file extensions: DAT, DIS, FLO, EVA WRAP SIM output file extensions: OUT WRAP TAB input file extensions: TIN WRAP TAB output file extensions: TOU	December 2023	N/A – None

4.1.2. Sedimentation Methodology

Sedimentation is the anticipated decreases in a reservoir's area-capacity condition, resulting in projected firm yield decreases in each decade. Sedimentation must be performed by RWPGs and incorporating into the WAM Run 3 models and the alternative model, the "Region L WAM". The following summarizes the methodology used for estimating and incorporating sedimentation into the WAMs.

The storage volume - surface area (SV/SA) tables for Canyon Reservoir, Victor Braunig Lake, Calaveras Lake, and Coleto-Creek Reservoir are adjusted to reflect sedimentation for the 2030 and 2080 planning horizons. The program, SEDDIS2.exe, was used to execute the Empirical Area-Reduction Method (EARM). The EARM was developed by Borland and Miller (1960)[1] for the Bureau of Reclamation as a means to mathematically distribute a given sediment loading across the topology of a large reservoir. The EARM inputs include pre-sedimentation SV/SA tables and a projected sediment load. The modified SV/SA tables were computed for each reservoir for the 2030 and 2080 decades.

4.2. GROUNDWATER

The most-recent work from Groundwater Management Areas (GMAs) are detailed in Modeled Available Groundwater (MAG) reports, prepared by the TWDB. There are five GMAs located wholly or partially within the Region L planning area, including GMA 7, GMA 9, GMA 10, GMA 13, and GMA 15. The MAG reports, which show availability for each decade of the planning horizon for most of the aquifers in Region L, include the following:

- GR21-012 MAG (GMA 7);
- GR21-014 MAG (GMA 9);
- GR21-015 MAG (GMA 10);
- GR21-018 MAG (GMA 13); and
- GR21-020 MAG (GMA 15).

At present, the SCTRWPG has not reallocated annual MAG volumes, nor identified the need to use MAG Peak Factors.

4.2.1. TWDB Unmodified, Original Groundwater Availabilities

For each GMA, the TWDB develops MAG reports with MAG values for each major or minor (i.e., relevant) aquifer. MAG values represent the average annual volume of groundwater production that would achieve the DFCs established by GMAs. The TWDB provided RWPGs with MAG volumes through the DB27 interface, organized by aquifer, county, and basin. In addition, the TWDB provided non-MAG availabilities that align with DFC pumping for non-relevant aquifers and local groundwater supply areas. Table 3 provides a list of aquifers in Region L for which the TWDB provided MAG and non-MAG groundwater availability estimates.

[1] Borland, W.M., Miller, C.R., 1960. Distribution of Sediment in Large Reservoirs. Transactions of the American Society of Civil Engineers. Vol. 125. Iss. 1. DOI: 10.1061/TACEAT.0007776

Table 3 MAG and Non-MAG Groundwater Availabilities Provided by TWDB

AQUIFER	GROUNDWATER MODELING TYPE	
	TWDB MAG AVAILABILITY ESTIMATES	TWDB NON-MAG AVAILABILITY ESTIMATES
Austin Chalk	●	
Buda Limestone	●	
Carrizo-Wilcox	●	●
Edwards-Balcones Fault Zone (BFZ) (not regulated by the Edwards Authority [EAA])	●	●
Edwards-Trinity-Plateau	●	
Edwards-Trinity-Plateau, Pecos Valley, and Trinity	●	
Ellenburger-San Saba	●	
Gulf Coast System	●	●
Hickory	●	●
Leona Gravel	●	●
Queen City	●	●
Sparta	●	●
Trinity	●	●
Yegua-Jackson	●	●

4.2.2. RWPG-Estimated Groundwater Availabilities

The SCTRWPG estimated groundwater availabilities for non-MAG aquifers or portions thereof. The sources used to estimate groundwater availabilities include published groundwater reports, maximum historic annual production volumes, contracts, permit limitations, and other limitations. The table provided in Appendix D summarizes RWPG-estimated groundwater availabilities to date by county, aquifer, and basin, and identifies the source methodology used for the estimates.

4.2.2.1. Carrizo-Wilcox Aquifer in Karnes County

Historic annual production values indicate that groundwater availabilities in the Carrizo-Wilcox Aquifer in Karnes County are likely higher than MAG values. Data published in the TWDB Water Use Survey Detailed Groundwater Pumpage by County were analyzed to determine the maximum annual groundwater production values from 2019 to 2021. Groundwater pumpage volumes for the Carrizo-Wilcox Aquifer in Karnes County in the Guadalupe, Nueces, and San Antonio Basins were 50 acft/yr, 84 acft/yr, and 1,078 acft/yr, respectively. Appendix D provides a summary of RWPG-estimated groundwater availabilities to date for the Carrizo-Wilcox Aquifer in Karnes County.

4.2.2.2. Portions of the Edwards-BFZ Aquifer Regulated by Edwards Aquifer Authority

The SCTRWPG estimated groundwater availabilities for the portion of the Edwards-BFZ Aquifer regulated by EAA. The EAA-Regulated Edwards-BFZ Aquifer availability was determined using the current Edwards Aquifer Authority permitted volumes, while being consistent with the full implementation of the Edwards Aquifer Habitat Conservation Plan and any forbearance programs. Appendix D provides a summary of RWPG-estimated groundwater availabilities to date for the portions of the Edwards-BFZ Aquifer regulated by EAA.

Hays County is partially regulated by EAA, GMA 9, and GMA 10. GMA 9 declared the entire Edwards-BFZ aquifer to be non-relevant within Hays County. For GMA 10, the MAG value for the Edwards BFZ Aquifer, freshwater, in Hays County is 942 acft/yr. The EAA permitted amount is 7,116 acft/yr. The RWPG estimated the Hays County freshwater groundwater availability by summing the MAG values and EAA-permitted amounts, which results in 8,058 acft/yr.

4.2.2.3. Edwards-BFZ Aquifer in Frio County

Frio County is located within Groundwater Management Area 13 and is not regulated by the EAA. The TWDB's 2022 published report, entitled *GAM Run 21-018 MAG: Modeled Available Groundwater for the Carrizo-Wilcox, Queen City, Sparta, and Yegua-Jackson Aquifers In Groundwater Management Area 13* indicates that the Edwards-BFZ Aquifer was declared not relevant for purposes of joint planning. However, a TWDB published report in 2012, entitled *GTA Aquifer Assessment 10-40 MAG: Analytical Model Estimates of Modeled Available Groundwater for the Edwards Aquifer within Frio County in GMA 13,* estimated the MAG for the Edwards-BFZ Aquifer within Frio County to be approximately 23,213 acft/yr. Therefore, the RWPG has estimated groundwater availabilities for the Edwards-BFZ Aquifer within Frio County to be 23,213 acft/yr for all decades within the planning horizon (Appendix D). This non-MAG value is consistent with the values included in the 2021 Region L Regional Water Plan.

4.2.2.4. Leona Gravel Aquifer in Medina County

Medina County is located within GMAs 9, 10, and 13. Additionally, the county is partially within the Nueces River Basin and the San Antonio River Basin. MAG values for the Leona Gravel Aquifer in Medina County are provided in the Medina County Groundwater Conservation District Groundwater Management Plan[2], which includes and references the following two TWDB-published reports to estimate groundwater availabilities for the Leona Gravel Aquifer in Medina County (Appendix D), as follows:

- GMA 10, Medina County, Leona Gravel Aquifer: Bradley, Robert. GTA Aquifer Assessment 10-07 MAG: Modeled Available Groundwater Estimates for Leona Gravel Aquifer in Medina County. Texas Water Development Board. 20 August 2012, 8 p

[2] Medina County Groundwater Conservation District Groundwater Management Plan. Medina County Groundwater Conservation District. 30 March 2022, 112 p.

- GMA 13, Medina County, Leona Gravel Aquifer: Bradley, Robert. *Aquifer Assessment 10-41: Aquifer Assessment for the Leona Gravel Aquifer in Groundwater Management Area 13*. Texas Water Development Board. 20 August 2012, 8 p.

These reports each estimate MAG values for the Leona Gravel Aquifer within its respective GMAs. Table 4 summarizes the basin-specific MAG values identified in these two reports. To determine RWPG-estimated groundwater availabilities for the Leona Gravel in Medina County, each GMA's MAG values were summed to determine RWPG-estimated values by basin. The RWPG-estimated groundwater availabilities for the Leona Gravel Aquifer in Medina County are shown in Appendix D. These non-MAG values are consistent with the values included in the 2021 Region L Regional Water Plan.

Table 4 Summary of Leona Gravel Aquifer Groundwater Availabilities in Medina County Based on TWDB Published Reports for GMAs 10 and 13

COUNTY	GROUNDWATER MANAGEMENT AREA	LEONA GRAVEL AQUIFER AVAILABILITIES (ACFT/YR)						
		BASIN	2030	2040	2050	2060	2070	2080
Medina	GMA 10 [A]	Nueces	12,369	12,369	12,369	12,369	N/A	N/A
		San Antonio	4,013	4,013	4,013	4,013	N/A	N/A
	GMA 13 [B]	Nueces	5,586	5,586	5,586	5,586	N/A	N/A
		San Antonio	49	49	49	49	N/A	N/A

Notes:
[A] MAG values from *GTA Aquifer Assessment 10-07 MAG (2012)*
[B] MAG values from *Aquifer Assessment 10-41: Aquifer Assessment for the Leona Gravel Aquifer in Groundwater Management Area 13 (2012)*

4.2.2.5. San Marcos River Alluvium in Caldwell County

For the San Marcos River Alluvium Aquifer, groundwater availability estimates are based on a TWDB-published groundwater report[6] and the maximum historic annual production volume from 1980 to 2021. Appendix D provides a summary of the RWPG-estimated groundwater availabilities for the planning horizon. These non-MAG values are consistent with the values included in the 2021 South Central Texas (Region L) Regional Water Plan.

4.3. REUSE/RECYCLE WATER SUPPLIES

As described in the TWDB-approved hydrologic variances, the SCTRWPG will determine reuse/recycle water supplies based on the estimated amount of water returned to a utility's wastewater treatment plant (WWTP) for each decade, less the amount of reuse water already being utilized as existing supply.

[6] Follett, C.R. Ground-Water Resources of Caldwell County, Texas; Texas Water Development Board Report 12. Texas Water Development Board. January 1966; 88 p.

The upper limit of source water available for reuse water management strategies (WMSs) will be determined based on the amount of water returned to a utility's WWTP, estimated at 50 percent (%) of the utility's projected water demands, adjusted for water conservation and drought management strategies, unless site specific information is available.

4.4. LIVESTOCK LOCAL SUPPLIES

For all areas within the planning region, livestock water demand is generally assumed to be supplied 50% from quantified groundwater sources and 50 percent from local surface water and unquantified groundwater sources such as stock tanks, streams, and windmills. This assumption is based on data from the TWDB historic water use estimates, which indicate that the counties within the planning area average approximately 60% groundwater supply to meet livestock use over the past ten years (2011-2021). Because the demands are based on a drought year scenario, it was assumed that ranchers will manage their livestock in such a way that populations will be maintained at a level that can be supported by a combination of local surface water supplies and known water or groundwater supplies. Livestock water supply is set equal to projected livestock demands due to the nature of livestock water use. Livestock demand tends to match the available supply. If the supply is not present, the livestock numbers are reduced until they match the available supply. Infrastructure is not a consideration for livestock supplies, and livestock pumpage is typically exempt from regulations; therefore, there are no regulatory considerations that might impact livestock groundwater supplies.

5.0 INFEASIBLE WATER MANAGEMENT STRATEGIES FROM THE 2021 RWP

The SCTRWPG conducted a one-time, mid-cycle analysis of the 2021 Region L Regional Water Plan (RWP) to identify any newly infeasible WMSs and water management strategy projects (WMSPs). The SCTRWPG reviewed a list of WMSs and WMSPs from TWDB that were feasible and recommended at the time of adoption of the 2021 Region L Regional Water Plan but which have since become infeasible. Information from WMS and WMSP sponsors was gathered to determine whether they have taken affirmative steps to implement projects with a near-term online decade (2020, 2030, and 2040). In addition, the list of TWDB-provided strategies was presented to the SCTRWPG for discussion related to implementation status.

On November 2, 2023, the SCTRWPG held a public meeting to receive results of the potentially infeasible WMS analysis. These results were presented at the same public meeting in which the methodology for identifying potentially feasible WMSs for the current plan were presented and approved.

The analysis identified no infeasible WMSs or WMSPs; therefore, an amendment of the 2021 Region L Regional Water Plan is not necessary.

6.0 DOCUMENTED PROCESS TO IDENTIFY POTENTIALLY FEASIBLE WATER MANAGEMENT STRATEGIES FOR THE 2026 PLANNING CYCLE

On November 2, 2023, the SCTRWPG considered and approved a documented process to identify potentially feasible WMSs for the 2026 Regional Water Planning Cycle. The process is documented in Appendix E of this Technical Memorandum.

7.0 POTENTIALLY FEASIBLE WATER MANAGEMENT STRATEGIES IDENTIFIED BY THE RWPG

The SCTRWPG has identified potentially feasible WMSs for meeting Needs in the region. Over the next few SCTRWPG meetings, the SCTRWPG may consider additional WMSs, review scope and fee of each, and submit the information to TWDB for notice to proceed. Appendix F provides the potentially feasible WMSs identified to date for WUGs with identified Needs. A summary of the potentially feasible WMSs identified to date is provided in Table 5.

Table 5 Summary of Potentially Feasible WMSs Identified to Date

NO.	POTENTIALLY FEASIBLE WMS	NO.	POTENTIALLY FEASIBLE WMS
1	Advanced Water Conservation	16	SAWS Regional Wilcox Project
2	Non-municipal Water Conservation	17	ARWA Project (Phase 2)
3	Drought Management	18	ARWA Project (Phase 3)
4	Edwards Transfers	19	GBRA WaterSECURE
5	Fresh Groundwater Development	20	GBRA Lower Basin New Appropriation
6	Brackish Groundwater Development	21	CRWA Wells Ranch (Phase 3)
7	Groundwater Conversions	22	CRWA Siesta Project
8	Brush Management	23	CRWA Expanded Brackish Carrizo-Wilcox Project
9	Rainwater Harvesting	24	CVLGC Carrizo Project
10	Surface Water Rights	25	SSLGC Expanded Carrizo Project
11	Balancing Storage	26	SSLGC Expanded Brackish Wilcox Project
12	Facilities Expansion	27	NBU ASR
13	Recycled Water Strategies	28	NBU Trinity Well Field Expansion
14	SAWS Expanded Local Carrizo Project	29	City of Victoria ASR
15	SAWS Expanded Brackish Groundwater Project	30	City of Victoria Groundwater-Surface Water Exchange

8.0 INTERREGIONAL COORDINATION EFFORTS TO DATE

Region L is bordered by five regional water planning areas, including the Plateau (Region J), Lower Colorado (Region K), Rio Grande (Region M), Coastal Bend (Region N), and Lavaca (Region P). The following summarizes interregional coordination efforts to date.

- Regular meetings or conversations with consultants in Regions G, K, M, and P
- Regular reports from interregional liaisons
- Engagement and membership in the Interregional Planning Council
- Engagement in Regional Water Planning Chairs' Meetings

Appendix A DB27 Reports

DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Atascosa County Total	**53,324**	**57,374**	**61,473**	**64,960**	**68,952**	**73,522**
Atascosa County / Nueces Basin Total	**51,265**	**55,077**	**58,949**	**62,280**	**66,094**	**70,456**
Benton City WSC	12,461	13,936	15,334	16,283	17,380	18,641
Charlotte	1,235	1,127	1,054	1,084	1,114	1,145
El Oso WSC*	106	128	148	158	170	185
Jourdanton	4,958	5,239	5,540	5,840	6,182	6,572
Lytle	2,628	2,779	2,941	3,100	3,282	3,489
McCoy WSC*	7,741	8,082	8,470	8,913	9,417	9,989
Pleasanton	12,414	13,521	14,726	16,038	17,467	19,025
Poteet	2,734	2,447	2,244	2,297	2,351	2,403
San Antonio Water System	6,103	6,634	7,037	7,603	8,118	8,695
County-Other	885	1,184	1,455	964	613	312
Atascosa County / San Antonio Basin Total	**2,059**	**2,297**	**2,524**	**2,680**	**2,858**	**3,066**
Benton City WSC	1,965	2,197	2,418	2,568	2,740	2,939
Lytle	68	72	76	80	84	90
San Antonio Water System	26	28	30	32	34	37
Bexar County Total	**2,555,076**	**2,951,404**	**3,222,978**	**3,470,641**	**3,699,975**	**3,945,495**
Bexar County / Nueces Basin Total	**10,515**	**12,233**	**13,462**	**14,538**	**15,557**	**16,552**
Atascosa Rural WSC	839	977	1,101	1,209	1,333	1,475
Lytle	242	273	300	325	352	385
San Antonio Water System	9,340	10,820	11,827	12,752	13,596	14,495
County-Other	94	163	234	252	276	197
Bexar County / San Antonio Basin Total	**2,544,561**	**2,939,171**	**3,209,516**	**3,456,103**	**3,684,418**	**3,928,943**
Air Force Village II Inc	536	536	536	536	536	536
Alamo Heights	7,806	7,806	7,806	7,806	7,806	7,806
Atascosa Rural WSC	12,539	14,605	16,457	18,069	19,919	22,042
Bexar County WCID 10	6,201	7,001	7,717	8,355	9,086	9,922
Converse	28,362	28,398	28,398	28,398	28,398	28,398
East Central SUD	45,458	51,420	56,763	61,513	66,950	73,173
Elmendorf	4,013	5,382	7,210	9,683	12,059	16,657
Fair Oaks Ranch	5,506	6,117	6,422	6,544	6,575	6,575
Fort Sam Houston	8,270	8,270	8,270	8,270	8,270	8,270
Green Valley SUD	1,776	2,164	2,511	2,808	3,149	3,541
Kirby	8,962	10,140	10,365	10,365	10,365	10,365
La Coste	17	19	21	22	24	27

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

DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Lackland Air Force Base	14,048	14,048	14,048	14,048	14,048	14,048
Leon Valley	15,085	18,291	18,291	18,291	18,291	18,291
Live Oak	9,829	9,829	9,829	9,829	9,829	9,829
Lytle	11	12	14	15	16	17
Oak Hills WSC	40	55	76	105	145	200
Randolph Air Force Base	1,280	1,280	1,280	1,280	1,280	1,280
San Antonio Water System	2,325,671	2,694,204	2,944,909	3,175,196	3,385,292	3,609,290
Schertz	9,641	13,665	17,272	20,265	23,714	27,687
Selma	10,477	13,541	16,288	18,599	21,258	24,318
Shavano Park	1,804	2,041	2,252	2,441	2,656	2,903
The Oaks WSC	1,277	1,445	1,595	1,729	1,881	2,057
Universal City	20,327	21,357	21,702	21,702	21,702	21,702
Water Services	3,642	4,119	4,547	4,928	5,364	5,863
County-Other	1,983	3,426	4,937	5,306	5,805	4,146
Caldwell County Total	**67,191**	**83,988**	**100,497**	**116,808**	**134,861**	**151,345**
Caldwell County / Colorado Basin Total	**12,323**	**20,537**	**28,935**	**37,155**	**45,779**	**54,803**
Creedmoor-Maha WSC*	9,420	17,076	24,703	32,306	39,966	47,692
Polonia WSC*	2,740	3,244	3,841	4,549	5,386	6,378
County-Other	163	217	391	300	427	733
Caldwell County / Guadalupe Basin Total	**54,868**	**63,451**	**71,562**	**79,653**	**89,082**	**96,542**
Aqua WSC*	1,143	1,319	1,485	1,643	1,825	2,032
County Line SUD	2,627	3,923	4,830	6,200	7,000	7,440
Creedmoor-Maha WSC*	1,149	2,082	3,013	3,940	4,874	5,816
Goforth SUD*	769	920	1,061	1,193	1,346	1,522
Gonzales County WSC	144	143	141	143	145	145
Lockhart	21,276	23,217	25,158	27,099	29,040	30,977
Luling	5,602	5,747	5,888	6,085	6,296	6,525
Martindale WSC	3,897	5,125	5,540	6,001	6,512	7,076
Maxwell SUD	9,631	11,048	12,632	14,277	16,714	16,494
Polonia WSC*	5,805	6,875	8,141	9,639	11,415	13,517
San Marcos	917	917	917	917	917	917
Tri Community WSC	1,368	1,416	1,463	1,521	1,585	1,655
County-Other	540	719	1,293	995	1,413	2,426

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

DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Calhoun County Total	**19,449**	**18,619**	**17,599**	**16,571**	**15,483**	**14,332**
Calhoun County / Colorado-Lavaca Basin Total	**1,114**	**1,109**	**1,090**	**1,066**	**1,046**	**1,037**
Point Comfort	556	531	501	472	439	406
County-Other	558	578	589	594	607	631
Calhoun County / Lavaca-Guadalupe Basin Total	**18,286**	**17,459**	**16,457**	**15,453**	**14,384**	**13,240**
Guadalupe-Blanco River Authority	3,669	3,326	2,956	2,605	2,202	1,743
Port Lavaca	11,546	11,088	10,524	9,954	9,358	8,725
Port Oconnor Improvement District	839	804	758	713	664	612
Seadrift	905	865	816	767	714	659
County-Other	1,327	1,376	1,403	1,414	1,446	1,501
Calhoun County / San Antonio-Nueces Basin Total	**49**	**51**	**52**	**52**	**53**	**55**
County-Other	49	51	52	52	53	55
Comal County Total	**259,280**	**350,779**	**447,841**	**584,380**	**756,273**	**953,073**
Comal County / Guadalupe Basin Total	**227,956**	**311,261**	**401,228**	**526,428**	**682,700**	**861,662**
3009 Water	1,417	1,816	2,346	3,017	3,787	4,669
Canyon Lake Water Service*	77,802	106,365	124,520	136,314	180,503	229,262
Clear Water Estates Water System	898	1,253	1,725	2,325	3,010	3,795
Crystal Clear SUD	15,217	19,162	19,162	19,162	19,162	19,162
Garden Ridge	3,410	4,215	5,022	5,952	7,055	8,363
Green Valley SUD	1,315	1,956	2,811	3,893	5,131	6,549
KT Water Development	2,652	4,105	6,045	8,498	11,306	14,521
New Braunfels	103,841	147,327	205,331	278,735	362,773	458,988
San Antonio Water System	1,438	1,592	1,740	1,876	2,001	2,001
Schertz	1,371	1,912	2,634	3,549	4,595	5,793
Wingert Water Systems	1,638	1,847	2,126	2,178	2,178	2,178
County-Other	16,957	19,711	27,766	60,929	81,199	106,381
Comal County / San Antonio Basin Total	**31,324**	**39,518**	**46,613**	**57,952**	**73,573**	**91,411**
3009 Water	48	61	79	102	128	158
Canyon Lake Water Service*	16,606	22,703	26,578	29,095	38,527	48,935
Fair Oaks Ranch	1,893	2,259	2,442	2,515	2,533	2,533
Garden Ridge	2,376	2,937	3,500	4,148	4,917	5,828
Guadalupe-Blanco River Authority	3,500	3,500	3,500	3,500	3,500	3,500
San Antonio Water System	956	1,059	1,158	1,248	1,331	1,331

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Selma	633	1,098	1,718	2,502	3,399	4,426
Water Services	1,620	1,609	1,592	1,576	1,558	1,538
County-Other	3,692	4,292	6,046	13,266	17,680	23,162
DeWitt County Total	**19,716**	**19,687**	**19,565**	**19,482**	**19,394**	**19,301**
DeWitt County / Guadalupe Basin Total	**15,668**	**15,656**	**15,574**	**15,536**	**15,500**	**15,464**
Cuero	8,446	8,436	8,386	8,356	8,324	8,292
Gonzales County WSC	200	198	195	189	185	177
Yorktown	1,826	1,824	1,812	1,803	1,793	1,784
County-Other	5,196	5,198	5,181	5,188	5,198	5,211
DeWitt County / Lavaca Basin Total	**3,390**	**3,373**	**3,336**	**3,289**	**3,236**	**3,177**
Yoakum*	2,019	2,002	1,970	1,921	1,865	1,802
County-Other	1,371	1,371	1,366	1,368	1,371	1,375
DeWitt County / Lavaca-Guadalupe Basin Total	**25**	**25**	**24**	**25**	**25**	**25**
County-Other	25	25	24	25	25	25
DeWitt County / San Antonio Basin Total	**633**	**633**	**631**	**632**	**633**	**635**
County-Other	633	633	631	632	633	635
Dimmit County Total	**8,175**	**7,818**	**7,383**	**6,983**	**6,560**	**6,112**
Dimmit County / Nueces Basin Total	**8,143**	**7,789**	**7,358**	**6,962**	**6,545**	**6,106**
Asherton	684	652	614	579	539	498
Big Wells	418	398	375	352	329	300
Carrizo Hill WSC	663	752	854	981	1,202	1,678
Carrizo Springs	4,507	4,302	4,055	3,825	3,580	3,307
County-Other	1,871	1,685	1,460	1,225	895	323
Dimmit County / Rio Grande Basin Total	**32**	**29**	**25**	**21**	**15**	**6**
County-Other	32	29	25	21	15	6
Frio County Total	**19,512**	**20,540**	**21,269**	**21,643**	**22,071**	**22,561**
Frio County / Nueces Basin Total	**19,512**	**20,540**	**21,269**	**21,643**	**22,071**	**22,561**
Benton City WSC	1,287	1,693	1,974	1,990	2,008	2,028
Dilley	5,260	6,535	7,420	7,497	7,583	7,680
Moore WSC	588	686	754	763	774	787
Pearsall	8,550	9,781	10,640	10,787	10,952	11,139
County-Other	3,827	1,845	481	606	754	927

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Goliad County Total	**6,803**	**6,648**	**6,559**	**6,454**	**6,334**	**6,197**
Goliad County / Guadalupe Basin Total	**2,606**	**2,530**	**2,486**	**2,434**	**2,375**	**2,309**
County-Other	2,606	2,530	2,486	2,434	2,375	2,309
Goliad County / San Antonio Basin Total	**3,752**	**3,686**	**3,648**	**3,604**	**3,553**	**3,494**
Goliad	1,495	1,495	1,495	1,495	1,495	1,495
County-Other	2,257	2,191	2,153	2,109	2,058	1,999
Goliad County / San Antonio-Nueces Basin Total	**445**	**432**	**425**	**416**	**406**	**394**
County-Other	445	432	425	416	406	394
Gonzales County Total	**19,716**	**19,697**	**19,399**	**19,064**	**18,710**	**18,335**
Gonzales County / Guadalupe Basin Total	**19,660**	**19,642**	**19,345**	**19,012**	**18,661**	**18,288**
Fayette WSC*	40	52	66	86	113	150
Gonzales	7,512	7,509	7,399	7,279	7,152	7,015
Gonzales County WSC	7,218	7,208	7,096	6,970	6,836	6,693
Luling	54	54	53	53	51	50
Nixon	2,249	2,247	2,211	2,171	2,129	2,084
Smiley	474	474	467	458	449	439
Waelder	1,016	1,015	999	980	962	942
County-Other	1,097	1,083	1,054	1,015	969	915
Gonzales County / Lavaca Basin Total	**56**	**55**	**54**	**52**	**49**	**47**
County-Other	56	55	54	52	49	47
Guadalupe County Total	**292,903**	**385,703**	**462,052**	**542,643**	**634,587**	**739,503**
Guadalupe County / Guadalupe Basin Total	**189,085**	**259,159**	**310,078**	**363,831**	**425,052**	**494,802**
Crystal Clear SUD	35,538	65,308	77,013	91,463	108,106	127,245
Gonzales County WSC	125	160	200	241	288	343
Green Valley SUD	13,814	18,473	23,689	29,189	35,481	42,683
Martindale WSC	557	861	1,072	1,303	1,556	1,836
New Braunfels	36,517	52,564	70,539	89,478	111,139	135,926
Schertz	4,321	5,029	5,819	6,655	7,613	8,711
Seguin	50,517	59,570	63,909	66,466	69,091	71,790
Springs Hill WSC	46,037	54,563	64,014	73,961	85,256	98,083
Tri Community WSC	28	31	34	37	40	44
Water Services	201	179	160	143	129	115

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
County-Other	1,430	2,421	3,629	4,895	6,353	8,026
Guadalupe County / San Antonio Basin Total	**103,818**	**126,544**	**151,974**	**178,812**	**209,535**	**244,701**
Cibolo	25,890	31,422	37,606	44,137	51,615	60,179
East Central SUD	1,417	1,719	2,057	2,414	2,822	3,291
Green Valley SUD	29,543	39,508	50,664	62,426	75,884	91,286
Marion	1,471	1,546	1,631	1,721	1,825	1,945
Schertz	35,687	41,534	48,064	54,968	62,881	71,944
Selma	5,251	5,251	5,251	5,251	5,251	5,251
Springs Hill WSC	4,079	4,835	5,673	6,554	7,555	8,691
Universal City	198	252	312	376	449	532
County-Other	282	477	716	965	1,253	1,582
Hays County Total	**336,064**	**500,806**	**683,104**	**877,560**	**1,051,675**	**1,240,694**
Hays County / Guadalupe Basin Total	**336,064**	**500,806**	**683,104**	**877,560**	**1,051,675**	**1,240,694**
County Line SUD	34,873	71,077	115,170	148,761	167,956	178,513
Creedmoor-Maha WSC*	54	54	54	54	54	54
Crystal Clear SUD	8,777	15,573	16,746	16,746	16,746	16,746
Goforth SUD*	41,415	65,951	98,260	142,035	192,136	249,490
Kyle	61,050	91,138	124,117	139,145	144,092	147,735
Maxwell SUD	10,915	16,564	24,478	35,595	50,312	57,543
San Marcos	140,913	198,869	245,241	279,444	301,489	315,690
South Buda WCID 1	4,066	6,633	10,014	14,592	19,832	25,829
Texas State University	9,400	9,400	9,400	9,400	9,400	9,400
Wimberley WSC	5,272	7,640	10,758	14,989	19,834	25,379
County-Other*	19,329	17,907	28,866	76,799	129,824	214,315
Karnes County Total	**15,357**	**16,052**	**16,739**	**17,527**	**18,429**	**19,462**
Karnes County / Guadalupe Basin Total	**68**	**70**	**73**	**77**	**81**	**85**
El Oso WSC*	24	24	25	26	27	28
County-Other	44	46	48	51	54	57
Karnes County / Nueces Basin Total	**221**	**229**	**236**	**244**	**254**	**264**
El Oso WSC*	197	203	209	216	224	233
Three Oaks WSC	18	19	20	21	22	23
County-Other	6	7	7	7	8	8

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Karnes County / San Antonio Basin Total	**14,968**	**15,649**	**16,322**	**17,094**	**17,977**	**18,990**
El Oso WSC*	5,637	5,811	5,983	6,186	6,418	6,686
Falls City	476	503	529	560	594	634
Karnes City	2,314	2,441	2,566	2,709	2,871	3,057
Kenedy	3,447	3,640	3,831	4,046	4,294	4,577
Runge	876	925	974	1,030	1,094	1,167
Sunko WSC	150	158	167	177	187	199
Three Oaks WSC	69	74	77	82	88	93
County-Other	1,999	2,097	2,195	2,304	2,431	2,577
Karnes County / San Antonio-Nueces Basin Total	**100**	**104**	**108**	**112**	**117**	**123**
El Oso WSC*	53	54	56	58	60	62
County-Other	47	50	52	54	57	61
Kendall County Total	**56,306**	**70,896**	**89,665**	**111,448**	**136,387**	**164,940**
Kendall County / Colorado Basin Total	**352**	**340**	**411**	**500**	**604**	**724**
County-Other	352	340	411	500	604	724
Kendall County / Guadalupe Basin Total	**17,218**	**20,766**	**24,156**	**28,296**	**33,135**	**38,708**
Guadalupe-Blanco River Authority	1,690	5,409	5,409	5,409	5,409	5,409
Kendall County WCID 1	2,873	3,114	3,939	4,896	5,992	7,247
County-Other	12,655	12,243	14,808	17,991	21,734	26,052
Kendall County / San Antonio Basin Total	**38,736**	**49,790**	**65,098**	**82,652**	**102,648**	**125,508**
Boerne	25,482	35,084	47,445	61,796	78,225	97,031
Fair Oaks Ranch	2,519	3,440	3,901	4,085	4,131	4,131
Guadalupe-Blanco River Authority	29	91	91	91	91	91
Kendall West Utility	2,819	3,561	4,515	5,623	6,890	8,342
Water Services	215	192	170	151	135	120
County-Other	7,672	7,422	8,976	10,906	13,176	15,793
La Salle County Total	**6,723**	**6,766**	**6,690**	**6,529**	**6,359**	**6,179**
La Salle County / Nueces Basin Total	**6,723**	**6,766**	**6,690**	**6,529**	**6,359**	**6,179**
Cotulla	3,404	3,346	3,337	3,360	3,428	3,558
Encinal WSC	1,043	1,085	1,146	1,221	1,318	1,449
County-Other	2,276	2,335	2,207	1,948	1,613	1,172

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Medina County Total	**60,936**	**79,204**	**83,631**	**87,079**	**90,594**	**92,654**
Medina County / Nueces Basin Total	**35,389**	**36,875**	**37,778**	**38,072**	**38,583**	**39,496**
Benton City WSC	5,897	6,266	6,536	6,710	6,910	7,139
Devine	4,318	4,374	4,430	4,507	4,594	4,692
East Medina County SUD	9,368	9,998	10,455	10,741	11,071	11,450
Hondo	7,907	7,586	7,407	7,448	7,491	7,534
Lytle	623	673	709	730	755	783
Medina County WCID 2	446	431	421	425	428	431
Medina River West WSC	739	787	822	844	870	898
Natalia	1,134	1,101	1,155	1,187	1,192	1,162
Ville Dalsace Water Supply	211	230	244	252	261	271
West Medina WSC	1,003	1,079	1,097	1,122	1,161	1,095
Yancey WSC	474	504	525	539	555	573
County-Other	3,269	3,846	3,977	3,567	3,295	3,468
Medina County / San Antonio Basin Total	**25,547**	**42,329**	**45,853**	**49,007**	**52,011**	**53,158**
Canyon Lake Water Service*	396	563	624	647	655	663
Castroville	6,496	7,081	7,930	9,120	10,214	10,929
East Medina County SUD	770	822	860	884	911	942
La Coste	1,310	1,290	1,281	1,296	1,313	1,330
Medina River West WSC	392	417	435	447	460	476
San Antonio Water System	7,783	22,963	25,157	27,165	29,001	29,001
Ville Dalsace Water Supply	199	217	230	237	245	255
Yancey WSC	5,842	6,202	6,467	6,638	6,834	7,060
County-Other	2,359	2,774	2,869	2,573	2,378	2,502
Refugio County Total	**6,489**	**6,243**	**5,992**	**5,799**	**5,595**	**5,379**
Refugio County / San Antonio Basin Total	**59**	**56**	**52**	**49**	**46**	**40**
County-Other	59	56	52	49	46	40
Refugio County / San Antonio-Nueces Basin Total	**6,430**	**6,187**	**5,940**	**5,750**	**5,549**	**5,339**
Refugio	2,549	2,521	2,506	2,524	2,594	2,749
Woodsboro	1,278	1,204	1,120	1,036	938	823
County-Other	2,603	2,462	2,314	2,190	2,017	1,767
Uvalde County Total	**24,967**	**24,478**	**23,759**	**22,944**	**22,080**	**21,167**
Uvalde County / Nueces Basin Total	**24,967**	**24,478**	**23,759**	**22,944**	**22,080**	**21,167**
Concan WSC	294	286	278	266	254	240

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
Knippa WSC	495	485	469	450	430	405
Sabinal	1,292	1,262	1,220	1,170	1,116	1,056
Uvalde	16,762	16,457	15,999	15,482	14,949	14,411
Windmill WSC	1,516	1,385	1,249	1,114	960	784
County-Other	4,608	4,603	4,544	4,462	4,371	4,271
Victoria County Total	**93,954**	**96,082**	**96,608**	**96,168**	**95,664**	**95,087**
Victoria County / Guadalupe Basin Total	**61,271**	**62,638**	**62,972**	**62,680**	**62,347**	**61,964**
Quail Creek MUD	1,319	1,365	1,378	1,371	1,363	1,354
Victoria	44,650	45,336	45,486	45,282	45,049	44,782
County-Other	15,302	15,937	16,108	16,027	15,935	15,828
Victoria County / Lavaca Basin Total	**62**	**64**	**65**	**64**	**64**	**64**
County-Other	62	64	65	64	64	64
Victoria County / Lavaca-Guadalupe Basin Total	**32,554**	**33,311**	**33,501**	**33,354**	**33,184**	**32,990**
Victoria	21,645	21,978	22,051	21,952	21,839	21,709
Victoria County WCID 1	1,709	1,753	1,767	1,767	1,766	1,766
County-Other	9,200	9,580	9,683	9,635	9,579	9,515
Victoria County / San Antonio Basin Total	**67**	**69**	**70**	**70**	**69**	**69**
County-Other	67	69	70	70	69	69
Wilson County Total	**55,858**	**61,941**	**67,968**	**73,304**	**79,413**	**86,407**
Wilson County / Guadalupe Basin Total	**302**	**299**	**290**	**268**	**243**	**214**
Sunko WSC	20	23	25	27	29	32
County-Other	282	276	265	241	214	182
Wilson County / Nueces Basin Total	**814**	**903**	**991**	**1,068**	**1,157**	**1,257**
McCoy WSC*	406	451	496	537	583	635
Picosa WSC	32	37	42	46	51	57
Three Oaks WSC	357	396	435	469	508	553
County-Other	19	19	18	16	15	12
Wilson County / San Antonio Basin Total	**54,742**	**60,739**	**66,687**	**71,968**	**78,013**	**84,936**
C Willow Water	664	737	809	873	947	1,030
East Central SUD	1,368	1,525	1,674	1,803	1,900	1,900
El Oso WSC*	170	207	245	277	315	358
Floresville	5,859	6,166	6,482	6,762	7,082	7,448

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DRAFT Region L Water User Group (WUG) Population

	WUG Population					
	2030	2040	2050	2060	2070	2080
La Vernia	3,135	3,476	3,815	4,114	4,457	4,850
Oak Hills WSC	5,987	6,907	7,968	9,192	10,604	12,233
Picosa WSC	3,559	4,105	4,641	5,115	5,659	6,281
Poth	1,550	1,525	1,506	1,491	1,472	1,450
S S WSC	20,066	23,148	26,175	28,850	31,963	35,649
Springs Hill WSC	244	354	461	556	664	789
Stockdale	1,458	1,471	1,488	1,504	1,521	1,540
Sunko WSC	3,975	4,411	4,843	5,225	5,663	6,164
Three Oaks WSC	1,011	1,121	1,230	1,326	1,437	1,563
County-Other	5,696	5,586	5,350	4,880	4,329	3,681
Zavala County Total	**9,480**	**9,232**	**8,858**	**8,472**	**8,064**	**7,632**
Zavala County / Nueces Basin Total	**9,480**	**9,232**	**8,858**	**8,472**	**8,064**	**7,632**
Batesville WSC	860	837	802	767	729	687
Crystal City	5,925	5,773	5,539	5,301	5,050	4,792
Loma Alta Chula Vista Water System	323	315	302	289	274	259
Zavala County WCID 1	1,219	1,186	1,136	1,086	1,032	975
County-Other	1,153	1,121	1,079	1,029	979	919
Region L Population Total	**3,987,279**	**4,793,957**	**5,469,629**	**6,176,459**	**6,897,460**	**7,689,377**

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Atascosa County Total	**51,026**	**51,869**	**52,764**	**53,584**	**54,455**	**50,215**
Atascosa County / Nueces Basin Total	**50,374**	**51,186**	**52,051**	**52,848**	**53,694**	**49,540**
Benton City WSC	1,297	1,443	1,588	1,686	1,799	1,930
Charlotte	208	189	177	182	187	192
El Oso WSC*	21	26	29	31	34	37
Jourdanton	1,030	1,085	1,148	1,210	1,281	1,361
Lytle	498	525	556	586	620	660
McCoy WSC*	923	957	1,003	1,056	1,115	1,183
Pleasanton	2,660	2,889	3,147	3,427	3,732	4,065
Poteet	326	291	266	273	279	285
San Antonio Water System	697	723	745	780	808	851
County-Other	111	147	180	120	76	39
Manufacturing	56	58	60	62	64	66
Mining	7,863	8,169	8,468	8,751	9,015	4,187
Steam Electric Power	7,962	7,962	7,962	7,962	7,962	7,962
Livestock	1,534	1,534	1,534	1,534	1,534	1,534
Irrigation	25,188	25,188	25,188	25,188	25,188	25,188
Atascosa County / San Antonio Basin Total	**652**	**683**	**713**	**736**	**761**	**675**
Benton City WSC	204	227	250	266	284	304
Lytle	13	14	14	15	16	17
San Antonio Water System	3	3	3	3	3	4
Mining	176	183	190	196	202	94
Livestock	3	3	3	3	3	3
Irrigation	253	253	253	253	253	253
Bexar County Total	**396,152**	**428,883**	**451,020**	**468,589**	**483,258**	**503,941**
Bexar County / Nueces Basin Total	**2,722**	**2,871**	**2,977**	**3,059**	**3,132**	**3,219**
Atascosa Rural WSC	103	120	135	148	163	181
Lytle	46	52	56	61	67	73
San Antonio Water System	1,067	1,179	1,252	1,308	1,352	1,419
County-Other	12	20	29	31	34	24
Manufacturing	141	147	152	158	163	169
Livestock	62	62	62	62	62	62
Irrigation	1,291	1,291	1,291	1,291	1,291	1,291
Bexar County / San Antonio Basin Total	**393,430**	**426,012**	**448,043**	**465,530**	**480,126**	**500,722**
Air Force Village II Inc	133	133	133	133	133	133

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Alamo Heights	2,099	2,094	2,094	2,094	2,094	2,094
Atascosa Rural WSC	1,544	1,790	2,017	2,215	2,442	2,701
Bexar County WCID 10	1,305	1,469	1,619	1,753	1,906	2,082
Converse	2,968	2,954	2,954	2,954	2,954	2,954
East Central SUD	6,233	7,018	7,747	8,395	9,137	9,987
Elmendorf	565	754	1,010	1,356	1,689	2,332
Fair Oaks Ranch	1,435	1,591	1,670	1,702	1,710	1,710
Fort Sam Houston	17,514	17,505	17,505	17,505	17,505	17,505
Green Valley SUD	197	239	277	310	348	391
Kirby	876	986	1,008	1,008	1,008	1,008
La Coste	2	2	2	2	2	3
Lackland Air Force Base	1,454	1,441	1,441	1,441	1,441	1,441
Leon Valley	1,779	2,145	2,145	2,145	2,145	2,145
Live Oak	1,700	1,691	1,691	1,691	1,691	1,691
Lytle	2	2	3	3	3	3
Oak Hills WSC	7	9	12	17	24	33
Randolph Air Force Base	86	86	86	86	86	86
San Antonio Water System	265,719	293,642	311,729	325,792	336,731	353,352
Schertz	1,518	2,142	2,707	3,177	3,717	4,340
Selma	1,687	2,172	2,612	2,983	3,409	3,900
Shavano Park	562	635	700	759	826	903
The Oaks WSC	217	245	270	293	319	348
Universal City	2,963	3,098	3,148	3,148	3,148	3,148
Water Services	570	643	709	769	837	915
County-Other	250	427	614	660	723	516
Manufacturing	8,732	9,054	9,389	9,736	10,097	10,471
Mining	7,634	8,366	9,072	9,724	10,322	10,851
Steam Electric Power	52,293	52,293	52,293	52,293	52,293	52,293
Livestock	926	926	926	926	926	926
Irrigation	10,460	10,460	10,460	10,460	10,460	10,460
Caldwell County Total	**10,019**	**11,820**	**13,646**	**15,439**	**17,439**	**18,967**
Caldwell County / Colorado Basin Total	**1,413**	**2,279**	**3,178**	**4,057**	**4,982**	**5,953**
Creedmoor-Maha WSC*	1,004	1,805	2,612	3,415	4,225	5,042
Polonia WSC*	332	391	463	549	650	769
County-Other	19	25	45	35	49	84
Livestock	39	39	39	39	39	39

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation	19	19	19	19	19	19
Caldwell County / Guadalupe Basin Total	**8,606**	**9,541**	**10,468**	**11,382**	**12,457**	**13,014**
Aqua WSC*	184	212	238	264	293	326
County Line SUD	227	338	417	535	604	642
Creedmoor-Maha WSC*	122	220	318	417	515	615
Goforth SUD*	84	100	115	129	146	165
Gonzales County WSC	39	38	38	38	39	39
Lockhart	2,967	3,225	3,494	3,764	4,034	4,303
Luling	774	790	810	837	866	897
Martindale WSC	400	523	566	613	665	723
Maxwell SUD	946	1,081	1,236	1,397	1,636	1,614
Polonia WSC*	703	829	982	1,162	1,376	1,630
San Marcos	112	110	107	106	105	105
Tri Community WSC	167	172	177	184	192	201
County-Other	62	83	149	114	163	280
Manufacturing	14	15	16	17	18	19
Mining	352	352	352	352	352	2
Livestock	792	792	792	792	792	792
Irrigation	661	661	661	661	661	661
Calhoun County Total	**67,994**	**69,880**	**71,830**	**73,857**	**75,954**	**78,125**
Calhoun County / Colorado-Lavaca Basin Total	**37,227**	**38,576**	**39,974**	**41,426**	**42,929**	**44,492**
Point Comfort	55	52	49	47	43	40
County-Other	62	63	64	65	66	69
Manufacturing	36,503	37,854	39,254	40,707	42,213	43,776
Steam Electric Power	37	37	37	37	37	37
Livestock	45	45	45	45	45	45
Irrigation	525	525	525	525	525	525
Calhoun County / Lavaca-Guadalupe Basin Total	**29,940**	**30,446**	**30,966**	**31,509**	**32,069**	**32,642**
Guadalupe-Blanco River Authority	582	526	468	412	348	276
Port Lavaca	1,569	1,500	1,424	1,347	1,266	1,180
Port Oconnor Improvement District	61	58	54	51	48	44
Seadrift	147	140	132	124	116	107
County-Other	147	149	153	153	157	163
Manufacturing	17,262	17,901	18,563	19,250	19,962	20,700

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	237	237	237	237	237	237
Irrigation	9,935	9,935	9,935	9,935	9,935	9,935
Calhoun County / San Antonio-Nueces Basin Total	**827**	**858**	**890**	**922**	**956**	**991**
County-Other	5	6	6	6	6	6
Manufacturing	822	852	884	916	950	985
Comal County Total	**58,372**	**76,280**	**96,597**	**124,502**	**157,042**	**193,961**
Comal County / Guadalupe Basin Total	**53,289**	**69,997**	**89,203**	**115,238**	**145,481**	**179,750**
3009 Water	387	494	638	821	1,031	1,271
Canyon Lake Water Service*	9,497	12,935	15,144	16,578	21,952	27,882
Clear Water Estates Water System	1,084	1,512	2,082	2,806	3,633	4,580
Crystal Clear SUD	2,122	2,661	2,661	2,661	2,661	2,661
Garden Ridge	1,186	1,464	1,745	2,068	2,451	2,906
Green Valley SUD	146	216	310	430	567	723
KT Water Development	892	1,379	2,030	2,854	3,797	4,877
New Braunfels	20,797	29,434	41,023	55,688	72,478	91,701
San Antonio Water System	165	174	184	193	199	196
Schertz	216	300	413	556	720	908
Wingert Water Systems	322	362	416	426	426	426
County-Other	2,794	3,236	4,558	10,001	13,327	17,460
Manufacturing	901	934	969	1,005	1,042	1,080
Mining	12,011	14,127	16,261	18,382	20,428	22,310
Livestock	236	236	236	236	236	236
Irrigation	533	533	533	533	533	533
Comal County / San Antonio Basin Total	**5,083**	**6,283**	**7,394**	**9,264**	**11,561**	**14,211**
3009 Water	13	17	22	28	35	43
Canyon Lake Water Service*	2,027	2,761	3,232	3,538	4,685	5,951
Fair Oaks Ranch	493	588	635	654	659	659
Garden Ridge	827	1,021	1,216	1,441	1,709	2,025
Guadalupe-Blanco River Authority	555	554	554	554	554	554
San Antonio Water System	109	115	123	128	132	130
Selma	102	176	276	401	545	710
Water Services	254	251	248	246	243	240
County-Other	608	704	992	2,177	2,902	3,802
Mining	2	3	3	4	4	4

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	35	35	35	35	35	35
Irrigation	58	58	58	58	58	58
DeWitt County Total	**8,151**	**8,140**	**8,125**	**8,118**	**8,108**	**6,412**
DeWitt County / Guadalupe Basin Total	**6,255**	**6,241**	**6,222**	**6,214**	**6,204**	**4,744**
Cuero	2,208	2,200	2,187	2,180	2,171	2,163
Gonzales County WSC	54	53	52	51	49	47
Yorktown	313	312	310	308	307	305
County-Other	688	684	681	682	684	686
Manufacturing	9	9	9	10	10	11
Mining	1,458	1,458	1,458	1,458	1,458	7
Livestock	1,319	1,319	1,319	1,319	1,319	1,319
Irrigation	206	206	206	206	206	206
DeWitt County / Lavaca Basin Total	**1,396**	**1,400**	**1,404**	**1,405**	**1,405**	**1,382**
Yoakum*	351	347	341	333	323	312
County-Other	181	180	180	180	180	181
Manufacturing	239	248	258	267	277	287
Mining	23	23	23	23	23	0
Livestock	265	265	265	265	265	265
Irrigation	337	337	337	337	337	337
DeWitt County / Lavaca-Guadalupe Basin Total	**33**	**33**	**33**	**33**	**33**	**33**
County-Other	3	3	3	3	3	3
Livestock	24	24	24	24	24	24
Irrigation	6	6	6	6	6	6
DeWitt County / San Antonio Basin Total	**467**	**466**	**466**	**466**	**466**	**253**
County-Other	84	83	83	83	83	83
Mining	214	214	214	214	214	1
Livestock	128	128	128	128	128	128
Irrigation	41	41	41	41	41	41
Dimmit County Total	**12,973**	**12,890**	**12,803**	**12,720**	**12,637**	**6,412**
Dimmit County / Nueces Basin Total	**11,796**	**11,713**	**11,627**	**11,544**	**11,462**	**5,891**
Asherton	136	129	122	115	107	99
Big Wells	65	61	58	54	51	46
Carrizo Hill WSC	113	127	145	166	204	284

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Carrizo Springs	1,203	1,145	1,080	1,018	953	881
County-Other	250	222	193	162	118	42
Mining	5,493	5,493	5,493	5,493	5,493	3
Livestock	344	344	344	344	344	344
Irrigation	4,192	4,192	4,192	4,192	4,192	4,192
Dimmit County / Rio Grande Basin Total	**1,177**	**1,177**	**1,176**	**1,176**	**1,175**	**521**
County-Other	4	4	3	3	2	1
Mining	653	653	653	653	653	0
Livestock	23	23	23	23	23	23
Irrigation	497	497	497	497	497	497
Frio County Total	**81,199**	**81,534**	**81,776**	**81,843**	**81,917**	**76,007**
Frio County / Nueces Basin Total	**81,199**	**81,534**	**81,776**	**81,843**	**81,917**	**76,007**
Benton City WSC	134	175	204	206	208	210
Dilley	1,224	1,517	1,722	1,740	1,760	1,782
Moore WSC	112	130	143	145	147	149
Pearsall	1,660	1,893	2,059	2,087	2,119	2,155
County-Other	482	231	60	76	94	116
Mining	6,002	6,003	6,003	6,004	6,004	10
Steam Electric Power	54	54	54	54	54	54
Livestock	964	964	964	964	964	964
Irrigation	70,567	70,567	70,567	70,567	70,567	70,567
Goliad County Total	**9,836**	**9,814**	**9,803**	**9,791**	**9,777**	**9,761**
Goliad County / Guadalupe Basin Total	**6,062**	**6,052**	**6,046**	**6,041**	**6,033**	**6,026**
County-Other	307	297	291	286	278	271
Mining	8	8	8	8	8	8
Steam Electric Power	4,994	4,994	4,994	4,994	4,994	4,994
Livestock	199	199	199	199	199	199
Irrigation	554	554	554	554	554	554
Goliad County / San Antonio Basin Total	**3,042**	**3,032**	**3,028**	**3,022**	**3,017**	**3,010**
Goliad	293	292	292	292	292	292
County-Other	266	257	253	247	242	235
Livestock	311	311	311	311	311	311
Irrigation	2,172	2,172	2,172	2,172	2,172	2,172

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Goliad County / San Antonio-Nueces Basin Total	**732**	**730**	**729**	**728**	**727**	**725**
County-Other	53	51	50	49	48	46
Livestock	279	279	279	279	279	279
Irrigation	400	400	400	400	400	400
Gonzales County Total	**22,035**	**22,136**	**22,196**	**22,250**	**22,302**	**16,183**
Gonzales County / Guadalupe Basin Total	**21,531**	**21,630**	**21,687**	**21,739**	**21,788**	**16,097**
Fayette WSC*	5	7	9	12	15	20
Gonzales	1,830	1,824	1,797	1,768	1,737	1,704
Gonzales County WSC	1,936	1,928	1,898	1,864	1,828	1,790
Luling	7	7	7	7	7	7
Nixon	342	340	335	329	322	315
Smiley	94	93	92	90	88	86
Waelder	170	169	167	163	160	157
County-Other	126	124	120	116	110	105
Manufacturing	2,311	2,397	2,486	2,578	2,673	2,772
Mining	6,133	6,164	6,199	6,235	6,271	564
Livestock	4,099	4,099	4,099	4,099	4,099	4,099
Irrigation	4,478	4,478	4,478	4,478	4,478	4,478
Gonzales County / Lavaca Basin Total	**504**	**506**	**509**	**511**	**514**	**86**
County-Other	6	6	6	6	6	5
Mining	459	461	464	466	469	42
Livestock	39	39	39	39	39	39
Guadalupe County Total	**56,349**	**69,418**	**80,346**	**91,858**	**104,977**	**119,161**
Guadalupe County / Guadalupe Basin Total	**41,739**	**52,108**	**59,951**	**68,202**	**77,596**	**87,520**
Crystal Clear SUD	4,956	9,068	10,693	12,700	15,011	17,668
Gonzales County WSC	34	43	53	64	77	92
Green Valley SUD	1,532	2,040	2,616	3,223	3,918	4,713
Martindale WSC	57	88	110	133	159	188
New Braunfels	7,314	10,502	14,093	17,877	22,204	27,157
Schertz	680	788	912	1,043	1,193	1,365
Seguin	7,605	8,929	9,580	9,963	10,357	10,761
Springs Hill WSC	4,983	5,876	6,894	7,966	9,182	10,564
Tri Community WSC	3	4	4	4	5	5
Water Services	31	28	25	22	20	18
County-Other	158	265	398	536	696	879

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Manufacturing	2,475	2,566	2,662	2,760	2,863	2,969
Mining	770	770	770	770	770	0
Steam Electric Power	9,392	9,392	9,392	9,392	9,392	9,392
Livestock	985	985	985	985	985	985
Irrigation	764	764	764	764	764	764
Guadalupe County / San Antonio Basin Total	**14,610**	**17,310**	**20,395**	**23,656**	**27,381**	**31,641**
Cibolo	2,572	3,101	3,711	4,356	5,094	5,939
East Central SUD	194	235	281	329	385	449
Green Valley SUD	3,277	4,362	5,594	6,893	8,379	10,080
Marion	179	187	197	208	221	235
Schertz	5,617	6,511	7,534	8,617	9,857	11,278
Selma	846	842	842	842	842	842
Springs Hill WSC	442	521	611	706	814	936
Universal City	29	37	45	55	65	77
County-Other	31	52	78	106	137	173
Manufacturing	1,051	1,090	1,130	1,172	1,215	1,260
Livestock	194	194	194	194	194	194
Irrigation	178	178	178	178	178	178
Hays County Total	**43,189**	**60,339**	**78,814**	**99,478**	**118,291**	**139,706**
Hays County / Guadalupe Basin Total	**43,189**	**60,339**	**78,814**	**99,478**	**118,291**	**139,706**
County Line SUD	3,008	6,130	9,934	12,831	14,486	15,397
Creedmoor-Maha WSC*	6	6	6	6	6	6
Crystal Clear SUD	1,224	2,162	2,325	2,325	2,325	2,325
Goforth SUD*	4,505	7,147	10,649	15,393	20,823	27,038
Kyle	5,929	8,798	11,982	13,432	13,910	14,261
Maxwell SUD	1,072	1,621	2,395	3,483	4,923	5,631
San Marcos	17,284	23,836	28,707	32,303	34,447	36,069
South Buda WCID 1	626	1,019	1,539	2,242	3,047	3,969
Texas State University	1,762	1,756	1,756	1,756	1,756	1,756
Wimberley WSC	585	845	1,189	1,657	2,193	2,806
County-Other*	2,310	2,132	3,437	9,145	15,458	25,519
Manufacturing*	57	59	61	63	65	67
Mining*	30	37	43	51	61	71
Steam Electric Power	1,949	1,949	1,949	1,949	1,949	1,949
Livestock*	2,712	2,712	2,712	2,712	2,712	2,712

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation*	130	130	130	130	130	130
Karnes County Total	**7,417**	**7,574**	**7,742**	**7,932**	**8,153**	**6,485**
Karnes County / Guadalupe Basin Total	**222**	**222**	**223**	**223**	**223**	**101**
El Oso WSC*	5	5	5	5	5	6
County-Other	6	6	7	7	7	8
Mining	124	124	124	124	124	0
Livestock	41	41	41	41	41	41
Irrigation	46	46	46	46	46	46
Karnes County / Nueces Basin Total	**340**	**342**	**344**	**345**	**347**	**207**
El Oso WSC*	39	40	42	43	45	46
Three Oaks WSC	4	5	5	5	5	6
County-Other	1	1	1	1	1	1
Mining	142	142	142	142	142	0
Livestock	76	76	76	76	76	76
Irrigation	78	78	78	78	78	78
Karnes County / San Antonio Basin Total	**6,756**	**6,910**	**7,075**	**7,264**	**7,481**	**6,075**
El Oso WSC*	1,128	1,158	1,192	1,233	1,279	1,332
Falls City	105	110	116	123	130	139
Karnes City	424	445	468	494	524	558
Kenedy	1,341	1,414	1,488	1,571	1,668	1,778
Runge	175	184	194	205	218	232
Sunko WSC	24	25	26	28	30	31
Three Oaks WSC	17	18	19	20	22	22
County-Other	274	285	298	313	330	350
Manufacturing	69	72	75	78	81	84
Mining	1,653	1,653	1,653	1,653	1,653	3
Livestock	787	787	787	787	787	787
Irrigation	759	759	759	759	759	759
Karnes County / San Antonio-Nueces Basin Total	**99**	**100**	**100**	**100**	**102**	**102**
El Oso WSC*	11	11	11	11	12	12
County-Other	6	7	7	7	8	8
Livestock	50	50	50	50	50	50
Irrigation	32	32	32	32	32	32

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Kendall County Total	**10,284**	**13,140**	**16,545**	**20,445**	**24,885**	**29,962**
Kendall County / Colorado Basin Total	**46**	**44**	**52**	**63**	**75**	**89**
County-Other	42	40	48	59	71	85
Livestock	4	4	4	4	4	4
Kendall County / Guadalupe Basin Total	**2,783**	**3,337**	**3,716**	**4,178**	**4,718**	**5,341**
Guadalupe-Blanco River Authority	268	856	856	856	856	856
Kendall County WCID 1	261	280	355	441	539	652
County-Other	1,495	1,440	1,742	2,116	2,556	3,064
Manufacturing	46	48	50	52	54	56
Livestock	343	343	343	343	343	343
Irrigation	370	370	370	370	370	370
Kendall County / San Antonio Basin Total	**7,455**	**9,759**	**12,777**	**16,204**	**20,092**	**24,532**
Boerne	5,384	7,392	9,997	13,020	16,482	20,444
Fair Oaks Ranch	656	895	1,015	1,063	1,075	1,075
Guadalupe-Blanco River Authority	5	14	14	14	14	14
Kendall West Utility	337	423	536	668	818	990
Water Services	34	30	27	24	21	19
County-Other	907	873	1,056	1,283	1,550	1,858
Livestock	41	41	41	41	41	41
Irrigation	91	91	91	91	91	91
La Salle County Total	**11,768**	**11,760**	**11,756**	**11,750**	**11,754**	**6,376**
La Salle County / Nueces Basin Total	**11,768**	**11,760**	**11,756**	**11,750**	**11,754**	**6,376**
Cotulla	1,050	1,030	1,028	1,035	1,056	1,096
Encinal WSC	214	222	234	249	269	296
County-Other	253	257	243	215	178	129
Mining	5,396	5,396	5,396	5,396	5,396	0
Livestock	394	394	394	394	394	394
Irrigation	4,461	4,461	4,461	4,461	4,461	4,461
Medina County Total	**68,856**	**71,174**	**71,959**	**72,637**	**73,273**	**73,731**
Medina County / Nueces Basin Total	**57,251**	**57,695**	**58,073**	**58,387**	**58,692**	**58,994**
Benton City WSC	614	649	677	695	715	739
Devine	616	621	629	640	653	666
East Medina County SUD	805	854	893	918	945	978
Hondo	2,111	2,020	1,972	1,983	1,995	2,006

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Lytle	118	127	134	138	143	148
Medina County WCID 2	86	83	81	82	82	83
Medina River West WSC	73	76	80	82	84	87
Natalia	190	184	193	198	199	194
Ville Dalsace Water Supply	57	62	66	68	70	73
West Medina WSC	202	217	220	225	233	220
Yancey WSC	51	54	56	58	60	62
County-Other	409	479	496	444	411	432
Manufacturing	15	16	17	18	19	20
Mining	3,825	4,174	4,480	4,759	5,004	5,207
Livestock	888	888	888	888	888	888
Irrigation	47,191	47,191	47,191	47,191	47,191	47,191
Medina County / San Antonio Basin Total	**11,605**	**13,479**	**13,886**	**14,250**	**14,581**	**14,737**
Canyon Lake Water Service*	48	68	76	79	80	81
Castroville	1,165	1,266	1,418	1,631	1,826	1,954
East Medina County SUD	66	70	73	75	78	80
La Coste	131	128	127	129	131	132
Medina River West WSC	38	41	42	43	45	46
San Antonio Water System	889	2,503	2,663	2,787	2,885	2,839
Ville Dalsace Water Supply	54	59	62	64	66	69
Yancey WSC	632	666	695	712	733	757
County-Other	295	346	357	321	296	312
Mining	499	544	585	621	653	679
Livestock	170	170	170	170	170	170
Irrigation	7,618	7,618	7,618	7,618	7,618	7,618
Refugio County Total	**2,311**	**2,272**	**2,240**	**2,216**	**2,193**	**2,175**
Refugio County / San Antonio Basin Total	**48**	**47**	**47**	**47**	**46**	**46**
County-Other	7	6	6	6	5	5
Livestock	41	41	41	41	41	41
Refugio County / San Antonio-Nueces Basin Total	**2,263**	**2,225**	**2,193**	**2,169**	**2,147**	**2,129**
Refugio	474	467	465	468	481	510
Woodsboro	204	191	178	165	149	131
County-Other	298	280	263	249	230	201
Livestock	420	420	420	420	420	420

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Irrigation	867	867	867	867	867	867
Uvalde County Total	**63,276**	**63,368**	**63,435**	**63,475**	**63,494**	**63,492**
Uvalde County / Nueces Basin Total	**63,276**	**63,368**	**63,435**	**63,475**	**63,494**	**63,492**
Concan WSC	79	77	74	71	68	64
Knippa WSC	101	99	95	92	87	82
Sabinal	304	296	286	275	262	248
Uvalde	3,876	3,794	3,689	3,570	3,447	3,323
Windmill WSC	327	298	269	240	207	169
County-Other	633	629	620	609	597	583
Mining	3,204	3,423	3,650	3,866	4,074	4,271
Livestock	2,049	2,049	2,049	2,049	2,049	2,049
Irrigation	52,703	52,703	52,703	52,703	52,703	52,703
Victoria County Total	**74,612**	**76,401**	**78,019**	**79,511**	**81,048**	**82,624**
Victoria County / Guadalupe Basin Total	**57,737**	**59,417**	**61,005**	**62,527**	**64,098**	**65,714**
Quail Creek MUD	148	152	153	153	152	151
Victoria	11,062	11,200	11,237	11,187	11,130	11,063
County-Other	1,721	1,781	1,801	1,791	1,781	1,769
Manufacturing	39,432	40,891	42,404	43,973	45,600	47,287
Mining	390	409	426	439	451	460
Steam Electric Power	3,198	3,198	3,198	3,198	3,198	3,198
Livestock	455	455	455	455	455	455
Irrigation	1,331	1,331	1,331	1,331	1,331	1,331
Victoria County / Lavaca Basin Total	**10**	**10**	**10**	**10**	**10**	**10**
County-Other	7	7	7	7	7	7
Livestock	3	3	3	3	3	3
Victoria County / Lavaca-Guadalupe Basin Total	**16,821**	**16,929**	**16,959**	**16,929**	**16,895**	**16,855**
Victoria	5,362	5,430	5,448	5,423	5,395	5,363
Victoria County WCID 1	179	183	184	184	184	184
County-Other	1,035	1,071	1,082	1,077	1,071	1,063
Livestock	484	484	484	484	484	484
Irrigation	9,761	9,761	9,761	9,761	9,761	9,761
Victoria County / San Antonio Basin Total	**44**	**45**	**45**	**45**	**45**	**45**
County-Other	7	8	8	8	8	8

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Livestock	37	37	37	37	37	37
Wilson County Total	**28,061**	**28,893**	**29,760**	**30,537**	**31,428**	**27,829**
Wilson County / Guadalupe Basin Total	**106**	**106**	**105**	**102**	**100**	**97**
Sunko WSC	3	4	4	4	5	5
County-Other	32	31	30	27	24	21
Livestock	71	71	71	71	71	71
Wilson County / Nueces Basin Total	**7,499**	**7,517**	**7,536**	**7,551**	**7,569**	**6,252**
McCoy WSC*	48	53	59	64	69	75
Picosa WSC	3	3	4	4	5	5
Three Oaks WSC	87	97	106	114	124	135
County-Other	2	2	2	2	2	1
Mining	1,353	1,356	1,359	1,361	1,363	30
Livestock	205	205	205	205	205	205
Irrigation	5,801	5,801	5,801	5,801	5,801	5,801
Wilson County / San Antonio Basin Total	**20,456**	**21,270**	**22,119**	**22,884**	**23,759**	**21,480**
C Willow Water	119	132	145	156	169	184
East Central SUD	188	208	228	246	259	259
El Oso WSC*	34	41	49	55	63	71
Floresville	1,367	1,435	1,509	1,574	1,649	1,734
La Vernia	650	718	788	849	920	1,001
Oak Hills WSC	977	1,122	1,295	1,494	1,723	1,988
Picosa WSC	327	375	424	467	516	574
Poth	241	237	234	231	228	225
S S WSC	2,356	2,706	3,060	3,373	3,737	4,168
Springs Hill WSC	26	38	50	60	72	85
Stockdale	301	303	307	310	313	317
Sunko WSC	631	697	765	826	895	974
Three Oaks WSC	247	273	300	323	350	381
County-Other	653	637	610	556	493	420
Manufacturing	62	64	66	68	71	74
Mining	3,327	3,334	3,339	3,346	3,351	75
Livestock	1,433	1,433	1,433	1,433	1,433	1,433
Irrigation	7,517	7,517	7,517	7,517	7,517	7,517

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DRAFT Region L Water User Group (WUG) Demand

	WUG Demand (acre-feet per year)					
	2030	2040	2050	2060	2070	2080
Zavala County Total	**51,091**	**51,061**	**51,010**	**50,957**	**50,902**	**45,912**
Zavala County / Nueces Basin Total	**51,091**	**51,061**	**51,010**	**50,957**	**50,902**	**45,912**
Batesville WSC	143	139	133	127	121	114
Crystal City	1,224	1,189	1,141	1,092	1,040	987
Loma Alta Chula Vista Water System	102	100	96	91	87	82
Zavala County WCID 1	343	333	319	305	290	274
County-Other	186	180	173	165	157	148
Manufacturing	732	759	787	816	846	877
Mining	4,932	4,932	4,932	4,932	4,932	1
Livestock	855	855	855	855	855	855
Irrigation	42,574	42,574	42,574	42,574	42,574	42,574
Region L Demand Total	**1,134,971**	**1,228,646**	**1,312,186**	**1,401,489**	**1,493,287**	**1,557,437**

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DRAFT Region L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Groundwater Source Availability Total				**1,038,980**	**1,059,510**	**1,106,092**	**1,143,732**	**1,166,632**	**1,158,200**
Austin Chalk Aquifer	Uvalde	Nueces	Fresh	2,935	2,935	2,935	2,935	2,935	2,935
Buda Limestone Aquifer	Uvalde	Nueces	Fresh	758	758	758	758	758	758
Carrizo-Wilcox Aquifer	Atascosa	Nueces	Fresh	54,310	55,241	56,739	58,316	59,890	59,890
Carrizo-Wilcox Aquifer	Atascosa	San Antonio	Fresh	87	88	89	90	92	92
Carrizo-Wilcox Aquifer	Bexar	Nueces	Fresh/ Brackish	38,762	38,993	39,134	39,134	39,287	39,287
Carrizo-Wilcox Aquifer	Bexar	San Antonio	Fresh	29,689	29,935	29,605	28,519	28,562	28,562
Carrizo-Wilcox Aquifer	Caldwell	Colorado	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Caldwell	Guadalupe	Fresh	24,877	32,775	42,514	45,688	49,635	49,594
Carrizo-Wilcox Aquifer	DeWitt	Guadalupe	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Dimmit	Nueces	Fresh	3,765	3,775	3,765	3,765	3,765	3,765
Carrizo-Wilcox Aquifer	Dimmit	Rio Grande	Fresh	120	120	120	120	120	120
Carrizo-Wilcox Aquifer	Frio	Nueces	Fresh	86,995	85,143	82,950	81,018	79,131	79,131
Carrizo-Wilcox Aquifer	Gonzales	Guadalupe	Fresh/ Brackish	76,265	90,788	102,373	102,747	103,707	96,161
Carrizo-Wilcox Aquifer	Gonzales	Lavaca	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Guadalupe	Guadalupe	Fresh	32,400	34,200	35,631	34,655	34,736	34,345
Carrizo-Wilcox Aquifer	Guadalupe	San Antonio	Fresh	7,163	7,468	7,684	7,463	7,463	7,314
Carrizo-Wilcox Aquifer	Karnes	Guadalupe	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Karnes	Nueces	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Karnes	San Antonio	Fresh	758	843	931	1,001	1,043	1,043
Carrizo-Wilcox Aquifer	La Salle	Nueces	Fresh	6,536	6,554	6,536	6,536	6,536	6,536

* 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 L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Carrizo-Wilcox Aquifer	Medina	Nueces	Fresh	2,623	2,630	2,623	2,623	2,623	2,623
Carrizo-Wilcox Aquifer	Medina	San Antonio	Fresh	5	5	5	5	5	5
Carrizo-Wilcox Aquifer	Uvalde	Nueces	Fresh	0	0	0	0	0	0
Carrizo-Wilcox Aquifer	Wilson	Guadalupe	Fresh	443	653	762	3,870	3,982	3,982
Carrizo-Wilcox Aquifer	Wilson	Nueces	Fresh	10,774	11,171	11,578	12,027	12,546	12,546
Carrizo-Wilcox Aquifer	Wilson	San Antonio	Fresh/ Brackish	27,067	31,780	56,269	90,050	109,142	109,142
Carrizo-Wilcox Aquifer	Zavala	Nueces	Fresh	36,675	35,399	35,204	35,006	34,831	34,540
Edwards-BFZ Aquifer	Atascosa	Nueces	Fresh	522	522	522	522	522	522
Edwards-BFZ Aquifer	Atascosa	San Antonio	Fresh	145	145	145	145	145	145
Edwards-BFZ Aquifer	Bexar	Nueces	Fresh	446	446	446	446	446	446
Edwards-BFZ Aquifer	Bexar	San Antonio	Fresh	211,795	211,795	211,795	211,795	211,795	211,795
Edwards-BFZ Aquifer	Caldwell	Colorado	Saline	455	455	455	455	455	455
Edwards-BFZ Aquifer	Caldwell	Guadalupe	Saline	955	955	955	955	955	955
Edwards-BFZ Aquifer	Comal	Guadalupe	Fresh	13,179	13,179	13,179	13,179	13,179	13,179
Edwards-BFZ Aquifer	Comal	San Antonio	Fresh	549	549	549	549	549	549
Edwards-BFZ Aquifer	Frio	Nueces	Fresh	23,213	23,213	23,213	23,213	23,213	23,213
Edwards-BFZ Aquifer	Guadalupe	Guadalupe	Fresh	293	293	293	293	293	293
Edwards-BFZ Aquifer	Hays	Guadalupe	Fresh	8,058	8,058	8,058	8,058	8,058	8,058
Edwards-BFZ Aquifer	Hays	Guadalupe	Saline	1,707	1,707	1,707	1,707	1,707	1,707
Edwards-BFZ Aquifer	Medina	Nueces	Fresh	25,419	25,419	25,419	25,419	25,419	25,419
Edwards-BFZ Aquifer	Medina	San Antonio	Fresh	7,009	7,009	7,009	7,009	7,009	7,009

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

DRAFT Region L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Edwards-BFZ Aquifer	Uvalde	Nueces	Fresh	29,855	29,855	29,855	29,855	29,855	29,855
Edwards-BFZ Aquifer	Zavala	Nueces	Fresh	0	0	0	0	0	0
Edwards-Trinity-Plateau Aquifer	Kendall	Colorado	Fresh	69	69	69	69	69	69
Edwards-Trinity-Plateau Aquifer	Kendall	Guadalupe	Fresh	130	130	130	130	130	130
Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers	Uvalde	Nueces	Fresh	1,993	1,993	1,993	1,993	1,993	1,993
Ellenburger-San Saba Aquifer	Kendall	Colorado	Fresh	9	9	9	9	9	9
Ellenburger-San Saba Aquifer	Kendall	Guadalupe	Fresh	53	54	53	54	53	54
Gulf Coast Aquifer System	Calhoun	Colorado-Lavaca	Fresh	5,221	5,221	5,221	5,221	5,221	5,221
Gulf Coast Aquifer System	Calhoun	Guadalupe	Fresh	18	18	18	18	18	18
Gulf Coast Aquifer System	Calhoun	Lavaca-Guadalupe	Fresh	2,365	2,365	2,365	2,365	2,365	2,365
Gulf Coast Aquifer System	Calhoun	San Antonio-Nueces	Fresh	7	7	7	7	7	7
Gulf Coast Aquifer System	DeWitt	Guadalupe	Fresh	14,055	14,042	13,966	13,946	13,927	13,917
Gulf Coast Aquifer System	DeWitt	Lavaca	Fresh	2,638	2,626	2,620	2,620	2,620	2,620
Gulf Coast Aquifer System	DeWitt	Lavaca-Guadalupe	Fresh	298	298	298	298	298	298
Gulf Coast Aquifer System	DeWitt	San Antonio	Fresh	967	946	943	942	939	937
Gulf Coast Aquifer System	Goliad	Guadalupe	Fresh	2,066	2,093	2,117	2,141	2,167	2,167
Gulf Coast Aquifer System	Goliad	San Antonio	Fresh	3,585	3,733	3,882	4,028	4,177	4,177
Gulf Coast Aquifer System	Goliad	San Antonio-Nueces	Fresh	603	610	616	622	628	628
Gulf Coast Aquifer System	Gonzales	Guadalupe	Fresh	1	1	1	1	1	1

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

DRAFT Region L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Gulf Coast Aquifer System	Gonzales	Lavaca	Fresh	1	1	1	1	1	1
Gulf Coast Aquifer System	Karnes	Guadalupe	Fresh	18	18	18	18	18	18
Gulf Coast Aquifer System	Karnes	Nueces	Fresh	1,059	79	79	79	79	79
Gulf Coast Aquifer System	Karnes	San Antonio	Fresh	9,362	3,221	3,217	3,050	2,781	2,780
Gulf Coast Aquifer System	Karnes	San Antonio-Nueces	Fresh	86	86	85	80	74	72
Gulf Coast Aquifer System	Refugio	San Antonio	Fresh	329	329	329	329	329	329
Gulf Coast Aquifer System	Refugio	San Antonio-Nueces	Fresh	5,537	5,537	5,537	5,537	5,537	5,537
Gulf Coast Aquifer System	Victoria	Guadalupe	Fresh	27,611	27,611	27,611	27,611	27,611	27,611
Gulf Coast Aquifer System	Victoria	Lavaca	Fresh	234	234	234	234	234	234
Gulf Coast Aquifer System	Victoria	Lavaca-Guadalupe	Fresh	30,421	30,421	30,421	30,421	30,421	30,421
Gulf Coast Aquifer System	Victoria	San Antonio	Fresh	1,682	1,682	1,682	1,682	1,682	1,682
Hickory Aquifer	Hays	Guadalupe	Fresh	0	0	0	0	0	0
Hickory Aquifer	Kendall	Colorado	Fresh	12	12	12	12	12	12
Hickory Aquifer	Kendall	Guadalupe	Fresh	128	128	128	128	128	128
Leona Gravel Aquifer	Medina	Nueces	Fresh	17,955	17,955	17,955	17,955	17,955	17,955
Leona Gravel Aquifer	Medina	San Antonio	Fresh	4,062	4,062	4,062	4,062	4,062	4,062
Leona Gravel Aquifer	Uvalde	Nueces	Fresh	9,385	9,385	9,385	9,385	9,385	9,385
Queen City Aquifer	Atascosa	Nueces	Fresh	4,525	4,537	4,495	4,390	4,285	4,285
Queen City Aquifer	Caldwell	Guadalupe	Fresh	4,829	4,557	4,545	4,545	3,977	3,977
Queen City Aquifer	Frio	Nueces	Fresh	4,533	4,380	4,231	4,066	3,927	3,927

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

DRAFT Region L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Queen City Aquifer	Gonzales	Guadalupe	Fresh	4,960	4,973	4,960	4,960	4,500	4,500
Queen City Aquifer	Gonzales	Lavaca	Brackish	0	0	0	0	0	0
Queen City Aquifer	Guadalupe	Guadalupe	Fresh	0	0	0	0	0	0
Queen City Aquifer	La Salle	Nueces	Fresh	1	1	1	1	1	1
Queen City Aquifer	Wilson	Guadalupe	Fresh	106	95	84	75	67	67
Queen City Aquifer	Wilson	Nueces	Fresh	181	161	143	127	114	114
Queen City Aquifer	Wilson	San Antonio	Fresh	1,136	1,011	896	798	711	711
San Marcos River Alluvium Aquifer	Caldwell	Guadalupe	Fresh	271	271	271	271	271	271
Sparta Aquifer	Atascosa	Nueces	Fresh	1,187	1,043	998	961	932	932
Sparta Aquifer	Frio	Nueces	Fresh	623	603	576	557	534	534
Sparta Aquifer	Gonzales	Guadalupe	Fresh	2,451	2,457	2,451	2,451	2,451	2,451
Sparta Aquifer	Gonzales	Lavaca	Brackish	0	0	0	0	0	0
Sparta Aquifer	La Salle	Nueces	Fresh	0	0	0	0	0	0
Sparta Aquifer	Wilson	Guadalupe	Fresh	12	11	10	9	8	8
Sparta Aquifer	Wilson	Nueces	Fresh	19	17	15	13	12	12
Sparta Aquifer	Wilson	San Antonio	Fresh	151	135	119	106	94	94
Trinity Aquifer	Atascosa	Nueces	Fresh	0	0	0	0	0	0
Trinity Aquifer	Bexar	Nueces	Fresh	223	223	223	223	223	223
Trinity Aquifer	Bexar	San Antonio	Fresh	24,856	24,856	24,856	24,856	24,856	24,856
Trinity Aquifer	Caldwell	Guadalupe	Fresh	10	10	10	10	10	10
Trinity Aquifer	Comal	Guadalupe	Fresh	37,430	37,430	37,430	37,430	37,430	37,430

* 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 L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Trinity Aquifer	Comal	San Antonio	Fresh	5,658	5,658	5,658	5,658	5,658	5,658
Trinity Aquifer	Guadalupe	Guadalupe	Fresh	75	75	75	75	75	75
Trinity Aquifer	Guadalupe	San Antonio	Fresh	585	585	585	585	585	585
Trinity Aquifer	Hays	Guadalupe	Fresh	7,111	7,111	7,111	7,111	7,111	7,111
Trinity Aquifer	Kendall	Colorado	Fresh	135	135	135	135	135	135
Trinity Aquifer	Kendall	Guadalupe	Fresh	6,028	6,028	6,028	6,028	6,028	6,028
Trinity Aquifer	Kendall	San Antonio	Fresh	4,976	4,976	4,976	4,976	4,976	4,976
Trinity Aquifer	Medina	Nueces	Fresh	7,008	7,008	7,008	7,008	7,008	7,008
Trinity Aquifer	Medina	San Antonio	Fresh	1,994	1,994	1,994	1,994	1,994	1,994
Trinity Aquifer	Uvalde	Nueces	Fresh	791	791	791	791	791	791
Yegua-Jackson Aquifer	Atascosa	Nueces	Fresh	856	856	856	856	856	856
Yegua-Jackson Aquifer	Frio	Nueces	Fresh	0	0	0	0	0	0
Yegua-Jackson Aquifer	Gonzales	Guadalupe	Fresh	4,709	4,709	4,709	4,709	4,709	4,709
Yegua-Jackson Aquifer	Gonzales	Lavaca	Fresh	19	19	19	19	19	19
Yegua-Jackson Aquifer	Karnes	Guadalupe	Fresh	292	292	292	292	292	292
Yegua-Jackson Aquifer	Karnes	Nueces	Fresh	91	91	91	91	91	91
Yegua-Jackson Aquifer	Karnes	San Antonio	Fresh	1,630	1,630	1,630	1,630	1,630	1,630
Yegua-Jackson Aquifer	La Salle	Nueces	Fresh	92	92	92	92	92	92
Yegua-Jackson Aquifer	Wilson	Guadalupe	Fresh	62	62	62	62	62	62
Yegua-Jackson Aquifer	Wilson	Nueces	Fresh	184	184	184	184	184	184
Yegua-Jackson Aquifer	Wilson	San Antonio	Fresh	613	613	613	613	613	613

* 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 L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Reuse Source Availability Total				**39,949**	**44,949**	**49,949**	**49,949**	**50,349**	**50,349**
Direct Reuse	Bexar	San Antonio	Fresh	29,735	34,735	39,735	39,735	39,735	39,735
Direct Reuse	Comal	Guadalupe	Fresh	107	107	107	107	107	107
Direct Reuse	Guadalupe	Guadalupe	Fresh	1,325	1,325	1,325	1,325	1,325	1,325
Direct Reuse	Hays	Guadalupe	Fresh	8,448	8,448	8,448	8,448	8,848	8,848
Direct Reuse	Kendall	Guadalupe	Fresh	269	269	269	269	269	269
Direct Reuse	Kendall	San Antonio	Fresh	65	65	65	65	65	65
Surface Water Source Availability Total				**261,428**	**261,282**	**261,138**	**260,994**	**260,615**	**260,210**
Boerne Lake/Reservoir	Reservoir**	San Antonio	Fresh	648	648	648	648	648	648
Calaveras Lake/Reservoir	Reservoir**	San Antonio	Fresh	36,900	36,900	36,900	36,900	36,900	36,900
Canyon Lake/Reservoir	Reservoir**	Guadalupe	Fresh	86,138	85,992	85,848	85,704	85,559	85,414
Coleto Creek Lake/Reservoir	Reservoir**	Guadalupe	Fresh	24,160	24,160	24,160	24,160	23,926	23,666
Colorado Livestock Local Supply	Caldwell	Colorado	Fresh	30	30	30	30	30	30
Colorado Livestock Local Supply	Kendall	Colorado	Fresh	6	6	6	6	6	6
Colorado-Lavaca Livestock Local Supply	Calhoun	Colorado-Lavaca	Fresh	64	64	64	64	64	64
Cox Lake/Reservoir	Reservoir**	Colorado-Lavaca	Fresh	0	0	0	0	0	0
Dunlap Lake/Reservoir	Reservoir**	Guadalupe	Fresh	0	0	0	0	0	0
Gonzales (H-4) Lake/Reservoir	Reservoir**	Guadalupe	Fresh	0	0	0	0	0	0
Guadalupe Livestock Local Supply	Caldwell	Guadalupe	Fresh	471	471	471	471	471	471
Guadalupe Livestock Local Supply	Comal	Guadalupe	Fresh	120	120	120	120	120	120

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

DRAFT Region L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Guadalupe Livestock Local Supply	DeWitt	Guadalupe	Fresh	631	631	631	631	631	631
Guadalupe Livestock Local Supply	Goliad	Guadalupe	Fresh	140	140	140	140	140	140
Guadalupe Livestock Local Supply	Gonzales	Guadalupe	Fresh	4,786	4,786	4,786	4,786	4,786	4,786
Guadalupe Livestock Local Supply	Guadalupe	Guadalupe	Fresh	650	650	650	650	650	650
Guadalupe Livestock Local Supply	Hays	Guadalupe	Fresh	754	754	754	754	754	754
Guadalupe Livestock Local Supply	Karnes	Guadalupe	Fresh	20	20	20	20	20	20
Guadalupe Livestock Local Supply	Kendall	Guadalupe	Fresh	159	159	159	159	159	159
Guadalupe Livestock Local Supply	Victoria	Guadalupe	Fresh	312	312	312	312	312	312
Guadalupe Livestock Local Supply	Wilson	Guadalupe	Fresh	93	93	93	93	93	93
Guadalupe Run-of-River	Caldwell	Guadalupe	Fresh	524	524	524	524	524	524
Guadalupe Run-of-River	Calhoun	Guadalupe	Fresh	33,557	33,557	33,557	33,557	33,557	33,557
Guadalupe Run-of-River	Comal	Guadalupe	Fresh	612	612	612	612	612	612
Guadalupe Run-of-River	Gonzales	Guadalupe	Fresh	2,240	2,240	2,240	2,240	2,240	2,240
Guadalupe Run-of-River	Guadalupe	Guadalupe	Fresh	8,089	8,089	8,089	8,089	8,089	8,089
Guadalupe Run-of-River	Hays	Guadalupe	Fresh	38,812	38,812	38,812	38,812	38,812	38,812
Guadalupe Run-of-River	Kendall	Guadalupe	Fresh	26	26	26	26	26	26
Guadalupe Run-of-River	Victoria	Guadalupe	Fresh	2	2	2	2	2	2
Lavaca Livestock Local Supply	DeWitt	Lavaca	Fresh	282	282	282	282	282	282
Lavaca Livestock Local Supply	Gonzales	Lavaca	Fresh	53	53	53	53	53	53
Lavaca Livestock Local Supply	Victoria	Lavaca	Fresh	2	2	2	2	2	2

* 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 L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
Lavaca-Guadalupe Livestock Local Supply	Calhoun	Lavaca-Guadalupe	Fresh	92	92	92	92	92	92
Lavaca-Guadalupe Livestock Local Supply	DeWitt	Lavaca-Guadalupe	Fresh	9	9	9	9	9	9
Lavaca-Guadalupe Livestock Local Supply	Victoria	Lavaca-Guadalupe	Fresh	196	196	196	196	196	196
McQueeney Lake/Reservoir	Reservoir**	Guadalupe	Fresh	0	0	0	0	0	0
Nueces Livestock Local Supply	Atascosa	Nueces	Fresh	754	754	754	754	754	754
Nueces Livestock Local Supply	Bexar	Nueces	Fresh	177	177	177	177	177	177
Nueces Livestock Local Supply	Dimmit	Nueces	Fresh	220	220	220	220	220	220
Nueces Livestock Local Supply	Frio	Nueces	Fresh	497	497	497	497	497	497
Nueces Livestock Local Supply	La Salle	Nueces	Fresh	245	245	245	245	245	245
Nueces Livestock Local Supply	Medina	Nueces	Fresh	519	519	519	519	519	519
Nueces Livestock Local Supply	Uvalde	Nueces	Fresh	516	516	516	516	516	516
Nueces Livestock Local Supply	Wilson	Nueces	Fresh	93	93	93	93	93	93
Nueces Livestock Local Supply	Zavala	Nueces	Fresh	594	594	594	594	594	594
Nueces Run-of-River	Dimmit	Nueces	Fresh	211	211	211	211	211	211
Nueces Run-of-River	La Salle	Nueces	Fresh	474	474	474	474	474	474
Nueces Run-of-River	Uvalde	Nueces	Fresh	720	720	720	720	720	720
Rio Grande Livestock Local Supply	Dimmit	Rio Grande	Fresh	24	24	24	24	24	24
San Antonio Livestock Local Supply	Bexar	San Antonio	Fresh	402	402	402	402	402	402
San Antonio Livestock Local Supply	Comal	San Antonio	Fresh	9	9	9	9	9	9
San Antonio Livestock Local Supply	DeWitt	San Antonio	Fresh	75	75	75	75	75	75

* 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 L Source Total Availability

				Source Availability (acre-feet per year)					
Source Name	**County**	**Basin**	**Salinity***	**2030**	**2040**	**2050**	**2060**	**2070**	**2080**
San Antonio Livestock Local Supply	Goliad	San Antonio	Fresh	215	215	215	215	215	215
San Antonio Livestock Local Supply	Karnes	San Antonio	Fresh	558	558	558	558	558	558
San Antonio Livestock Local Supply	Kendall	San Antonio	Fresh	33	33	33	33	33	33
San Antonio Livestock Local Supply	Medina	San Antonio	Fresh	63	63	63	63	63	63
San Antonio Livestock Local Supply	Refugio	San Antonio	Fresh	12	12	12	12	12	12
San Antonio Livestock Local Supply	Victoria	San Antonio	Fresh	22	22	22	22	22	22
San Antonio Livestock Local Supply	Wilson	San Antonio	Fresh	759	759	759	759	759	759
San Antonio Run-of-River	Bexar	San Antonio	Fresh	4	4	4	4	4	4
San Antonio Run-of-River	Karnes	San Antonio	Fresh	100	100	100	100	100	100
San Antonio Run-of-River	Wilson	San Antonio	Fresh	1,094	1,094	1,094	1,094	1,094	1,094
San Antonio-Nueces Livestock Local Supply	Calhoun	San Antonio-Nueces	Fresh	16	16	16	16	16	16
San Antonio-Nueces Livestock Local Supply	Goliad	San Antonio-Nueces	Fresh	209	209	209	209	209	209
San Antonio-Nueces Livestock Local Supply	Karnes	San Antonio-Nueces	Fresh	10	10	10	10	10	10
San Antonio-Nueces Livestock Local Supply	Refugio	San Antonio-Nueces	Fresh	225	225	225	225	225	225
Upper Nueces Lake/Reservoir	Reservoir**	Nueces	Fresh	0	0	0	0	0	0
Victor Braunig Lake/Reservoir	Reservoir**	San Antonio	Fresh	12,000	12,000	12,000	12,000	12,000	12,000
Region L Source Availability Total				**1,340,357**	**1,365,741**	**1,417,179**	**1,454,675**	**1,477,596**	**1,468,759**

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

DRAFT Region L Source Total Availability

* 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 L 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
Atascosa County WUG Total			**62,144**	**62,216**	**62,192**	**61,586**	**60,988**	**60,702**
Atascosa County / Nueces Basin WUG Total			**61,473**	**61,546**	**61,523**	**60,916**	**60,318**	**60,032**
Benton City WSC	L	Carrizo-Wilcox Aquifer | Atascosa County	1,351	1,335	1,329	1,329	1,331	1,336
Charlotte	L	Carrizo-Wilcox Aquifer | Atascosa County	1,098	1,098	1,098	1,098	1,098	1,098
El Oso WSC*		No water supply associated with WUG	0	0	0	0	0	0
Jourdanton	L	Carrizo-Wilcox Aquifer | Atascosa County	2,250	2,250	2,250	2,250	2,250	2,250
Lytle	L	Edwards-BFZ Aquifer | Medina County	351	345	342	340	339	339
McCoy WSC*	L	Carrizo-Wilcox Aquifer | Atascosa County	1,900	1,894	1,890	1,887	1,885	1,882
McCoy WSC*	L	Queen City Aquifer | Atascosa County	74	75	75	75	75	75
Pleasanton	L	Carrizo-Wilcox Aquifer | Atascosa County	5,028	5,028	5,028	5,028	5,028	5,028
Poteet	L	Carrizo-Wilcox Aquifer | Atascosa County	806	806	806	806	806	806
San Antonio Water System		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Atascosa County	246	246	246	246	246	246
County-Other	L	Queen City Aquifer | Atascosa County	1,071	1,218	1,356	1,506	1,662	1,809
Manufacturing	L	Carrizo-Wilcox Aquifer | Atascosa County	58	97	97	97	97	97
Mining	L	Carrizo-Wilcox Aquifer | Atascosa County	4,081	4,043	3,935	3,212	2,478	2,043
Steam Electric Power	L	Carrizo-Wilcox Aquifer | Atascosa County	8,427	8,427	8,427	8,427	8,427	8,427
Livestock	L	Carrizo-Wilcox Aquifer | Atascosa County	382	382	382	382	382	382
Livestock	L	Local Surface Water Supply	754	754	754	754	754	754
Livestock	L	Queen City Aquifer | Atascosa County	403	403	403	403	403	403
Livestock	L	Yegua-Jackson Aquifer | Atascosa County	134	134	134	134	134	134

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

DRAFT Region L 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	L	Carrizo-Wilcox Aquifer | Atascosa County	29,351	29,351	29,351	29,351	29,351	29,351
Irrigation	L	Edwards-BFZ Aquifer | Atascosa County	340	340	340	340	340	340
Irrigation	L	Queen City Aquifer | Atascosa County	1,924	1,924	1,924	1,924	1,924	1,924
Irrigation	L	Sparta Aquifer | Atascosa County	1,130	1,082	1,042	1,013	994	994
Irrigation	L	Yegua-Jackson Aquifer | Atascosa County	314	314	314	314	314	314
Atascosa County / San Antonio Basin WUG Total			**671**	**670**	**669**	**670**	**670**	**670**
Benton City WSC	L	Carrizo-Wilcox Aquifer | Atascosa County	166	165	164	165	165	165
Lytle		No water supply associated with WUG	0	0	0	0	0	0
San Antonio Water System		No water supply associated with WUG	0	0	0	0	0	0
Mining		No water supply associated with WUG	0	0	0	0	0	0
Livestock		No water supply associated with WUG	0	0	0	0	0	0
Irrigation	L	Carrizo-Wilcox Aquifer | Atascosa County	410	410	410	410	410	410
Irrigation	L	Edwards-BFZ Aquifer | Atascosa County	95	95	95	95	95	95
Bexar County WUG Total			**389,202**	**391,637**	**395,498**	**396,419**	**398,295**	**400,299**
Bexar County / Nueces Basin WUG Total			**7,045**	**7,109**	**7,102**	**7,103**	**7,803**	**8,428**
Atascosa Rural WSC	L	Edwards-BFZ Aquifer | Bexar County	28	28	28	28	28	28
Lytle	L	Edwards-BFZ Aquifer | Medina County	8	10	10	11	12	12
San Antonio Water System		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Bexar County	514	576	570	569	1,268	1,893
County-Other	L	Edwards-BFZ Aquifer | Bexar County	1,817	1,817	1,816	1,817	1,817	1,817
Manufacturing		No water supply associated with WUG	0	0	0	0	0	0

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DRAFT Region L 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	L	Local Surface Water Supply	135	135	135	135	135	135
Livestock	L	Trinity Aquifer | Bexar County	50	50	50	50	50	50
Irrigation	L	Carrizo-Wilcox Aquifer | Bexar County	4,293	4,293	4,293	4,293	4,293	4,293
Irrigation	L	Edwards-BFZ Aquifer | Bexar County	200	200	200	200	200	200
Bexar County / San Antonio Basin WUG Total			**382,157**	**384,528**	**388,396**	**389,316**	**390,492**	**391,871**
Air Force Village II Inc	L	Edwards-BFZ Aquifer | Bexar County	84	84	84	84	84	84
Alamo Heights	L	Edwards-BFZ Aquifer | Bexar County	1,611	1,611	1,611	1,611	1,611	1,611
Atascosa Rural WSC	L	Edwards-BFZ Aquifer | Bexar County	418	418	418	418	418	418
Bexar County WCID 10	L	Edwards-BFZ Aquifer | Bexar County	928	928	928	928	928	928
Converse	L	Carrizo-Wilcox Aquifer | Gonzales County	1,000	1,000	1,000	1,000	1,000	1,000
Converse	L	Edwards-BFZ Aquifer | Bexar County	1,204	1,204	1,204	1,204	1,204	1,204
East Central SUD	L	Canyon Lake/Reservoir	1,217	1,204	1,216	1,219	1,233	1,234
East Central SUD	L	Carrizo-Wilcox Aquifer | Bexar County	9	9	9	9	9	9
East Central SUD	G	Carrizo-Wilcox Aquifer | Burleson County	9	9	9	9	9	9
East Central SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	870	860	868	871	881	882
East Central SUD	L	Edwards-BFZ Aquifer | Bexar County	670	662	669	671	678	679
East Central SUD	L	Trinity Aquifer | Bexar County	9	9	9	9	9	9
Elmendorf	L	Carrizo-Wilcox Aquifer | Bexar County	49	49	49	49	49	49
Elmendorf	G	Carrizo-Wilcox Aquifer | Burleson County	10	10	10	10	10	10
Elmendorf	L	Edwards-BFZ Aquifer | Bexar County	178	178	178	178	178	178
Elmendorf	L	Trinity Aquifer | Bexar County	39	39	39	39	39	40

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

DRAFT Region L 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
Fair Oaks Ranch	L	Canyon Lake/Reservoir	1,170	1,064	979	912	857	811
Fair Oaks Ranch	L	Direct Reuse	354	322	296	276	259	245
Fair Oaks Ranch	L	Trinity Aquifer | Comal County	26	24	22	20	19	18
Fort Sam Houston	L	Edwards-BFZ Aquifer | Bexar County	677	856	1,037	1,221	1,402	1,578
Green Valley SUD	L	Canyon Lake/Reservoir	341	323	307	294	283	271
Green Valley SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	640	606	575	550	528	508
Green Valley SUD	L	Edwards-BFZ Aquifer | Comal County	99	94	89	85	82	79
Green Valley SUD	L	Trinity Aquifer | Bexar County	68	64	61	58	56	54
Kirby	L	Edwards-BFZ Aquifer | Bexar County	739	739	739	739	739	739
La Coste		No water supply associated with WUG	0	0	0	0	0	0
Lackland Air Force Base	L	Edwards-BFZ Aquifer | Bexar County	1,200	1,200	1,200	1,200	1,200	1,200
Leon Valley	L	Edwards-BFZ Aquifer | Bexar County	1,138	1,138	1,138	1,138	1,138	1,138
Live Oak	L	Edwards-BFZ Aquifer | Bexar County	1,168	1,168	1,168	1,168	1,168	1,168
Lytle		No water supply associated with WUG	0	0	0	0	0	0
Oak Hills WSC		No water supply associated with WUG	0	0	0	0	0	0
Randolph Air Force Base	L	Edwards-BFZ Aquifer | Bexar County	200	200	200	200	200	200
San Antonio Water System	L	Canyon Lake/Reservoir	4,978	7,924	7,924	7,924	7,924	7,929
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Bexar County	23,227	23,227	23,228	23,228	23,228	23,228
San Antonio Water System	G	Carrizo-Wilcox Aquifer | Burleson County	49,753	49,500	49,498	49,499	49,498	49,527
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Gonzales County	19,544	16,186	15,189	15,189	15,189	15,189
San Antonio Water System	L	Direct Reuse	25,000	30,000	35,000	35,000	35,000	35,000
San Antonio Water System	L	Edwards-BFZ Aquifer | Bexar County	157,939	157,136	157,133	157,131	157,129	157,222

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DRAFT Region L 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
San Antonio Water System	L	Guadalupe Run-of-River	0	0	0	0	0	0
San Antonio Water System	L	Trinity Aquifer | Bexar County	3,933	1,936	937	937	937	937
San Antonio Water System	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
Schertz	L	Carrizo-Wilcox Aquifer | Gonzales County	218	275	311	303	294	277
Schertz	L	Edwards-BFZ Aquifer | Bexar County	33	31	32	34	36	37
Selma	L	Carrizo-Wilcox Aquifer | Gonzales County	709	544	569	592	611	627
Selma	L	Edwards-BFZ Aquifer | Bexar County	453	347	364	378	390	401
Shavano Park	L	Edwards-BFZ Aquifer | Bexar County	429	429	429	429	429	429
The Oaks WSC	L	Carrizo-Wilcox Aquifer | Bexar County	10	10	10	10	10	10
The Oaks WSC	G	Carrizo-Wilcox Aquifer | Burleson County	10	10	10	10	10	10
The Oaks WSC	L	Edwards-BFZ Aquifer | Bexar County	20	20	20	20	20	20
The Oaks WSC	L	Trinity Aquifer | Bexar County	120	120	120	120	120	120
Universal City	L	Carrizo-Wilcox Aquifer | Gonzales County	800	800	800	800	800	800
Universal City	L	Edwards-BFZ Aquifer | Bexar County	2,139	2,139	2,139	2,139	2,139	2,139
Water Services	L	Trinity Aquifer | Bexar County	647	832	787	749	808	864
County-Other	L	Edwards-BFZ Aquifer | Bexar County	1,868	1,868	1,869	1,868	1,868	1,868
County-Other	L	San Antonio Run-of-River	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Bexar County	1,561	1,561	1,561	1,561	1,561	1,561
Manufacturing	L	Carrizo-Wilcox Aquifer | Bexar County	1,139	1,139	1,139	1,139	1,139	1,139
Manufacturing	L	Edwards-BFZ Aquifer | Bexar County	4,583	4,583	4,583	4,583	4,583	4,583
Manufacturing	L	San Antonio Run-of-River	0	0	0	0	0	0

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DRAFT Region L 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	L	Trinity Aquifer | Bexar County	1,139	1,139	1,139	1,139	1,139	1,139
Mining	L	Carrizo-Wilcox Aquifer | Bexar County	400	400	400	400	400	400
Mining	L	Edwards-BFZ Aquifer | Bexar County	4,991	4,991	4,991	4,991	4,991	4,991
Mining	L	Trinity Aquifer | Bexar County	2,429	3,349	4,142	5,013	6,008	7,111
Steam Electric Power	L	Calaveras Lake/Reservoir	36,900	36,900	36,900	36,900	36,900	36,900
Steam Electric Power	L	Edwards-BFZ Aquifer | Bexar County	611	611	611	611	611	611
Steam Electric Power	L	Victor Braunig Lake/Reservoir	12,000	12,000	12,000	12,000	12,000	12,000
Livestock	L	Carrizo-Wilcox Aquifer | Bexar County	424	424	424	424	424	424
Livestock	L	Local Surface Water Supply	42	42	42	42	42	42
Livestock	L	Trinity Aquifer | Bexar County	550	550	550	550	550	550
Irrigation	L	Carrizo-Wilcox Aquifer | Bexar County	3,000	3,000	3,000	3,000	3,000	3,000
Irrigation	L	Edwards-BFZ Aquifer | Bexar County	4,319	4,319	4,319	4,319	4,319	4,319
Irrigation	L	San Antonio Run-of-River	114	114	114	114	114	114
Caldwell County WUG Total			**13,811**	**13,803**	**13,752**	**13,691**	**13,616**	**13,549**
Caldwell County / Colorado Basin WUG Total			**2,749**	**2,754**	**2,751**	**2,748**	**2,740**	**2,733**
Creedmoor-Maha WSC*	K	Carrizo-Wilcox Aquifer | Bastrop County	1,647	1,652	1,653	1,652	1,650	1,649
Creedmoor-Maha WSC*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Polonia WSC*	L	Carrizo-Wilcox Aquifer | Caldwell County	793	793	789	787	781	775
County-Other	L	Carrizo-Wilcox Aquifer | Caldwell County	229	229	229	229	229	229
Livestock	L	Carrizo-Wilcox Aquifer | Caldwell County	26	26	26	26	26	26
Livestock	L	Local Surface Water Supply	30	30	30	30	30	30

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DRAFT Region L 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	L	Carrizo-Wilcox Aquifer | Caldwell County	24	24	24	24	24	24
Caldwell County / Guadalupe Basin WUG Total			**11,062**	**11,049**	**11,001**	**10,943**	**10,876**	**10,816**
Aqua WSC*	L	Carrizo-Wilcox Aquifer | Caldwell County	194	190	187	184	182	179
County Line SUD	L	Canyon Lake/Reservoir	403	403	371	340	306	270
County Line SUD	L	Edwards-BFZ Aquifer | Hays County	50	50	46	42	38	33
Creedmoor-Maha WSC*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Goforth SUD*	L	Edwards-BFZ Aquifer | Hays County	3	3	3	2	2	2
Goforth SUD*	L	Trinity Aquifer | Hays County	26	17	13	16	20	22
Gonzales County WSC	L	Canyon Lake/Reservoir	9	10	11	12	12	13
Gonzales County WSC	L	Carrizo-Wilcox Aquifer | Gonzales County	77	86	93	99	102	106
Lockhart	L	Carrizo-Wilcox Aquifer | Caldwell County	3,075	3,075	3,075	3,075	3,075	3,075
Luling	L	Carrizo-Wilcox Aquifer | Caldwell County	1,083	1,082	1,083	1,082	1,082	1,083
Martindale WSC	L	Canyon Lake/Reservoir	226	224	222	220	218	218
Martindale WSC	L	Guadalupe Run-of-River	11	11	11	11	11	11
Maxwell SUD	L	Canyon Lake/Reservoir	694	710	720	724	727	727
Maxwell SUD	L	Edwards-BFZ Aquifer | Hays County	170	174	177	178	178	178
Maxwell SUD	L	Guadalupe Run-of-River	9	10	10	10	10	10
Polonia WSC*	L	Carrizo-Wilcox Aquifer | Caldwell County	1,683	1,680	1,677	1,668	1,658	1,644
San Marcos	L	Canyon Lake/Reservoir	2	2	2	3	3	3
San Marcos	L	Edwards-BFZ Aquifer | Hays County	0	0	1	1	1	1
Tri Community WSC	L	Guadalupe Run-of-River	492	490	490	491	490	490
County-Other	L	Carrizo-Wilcox Aquifer | Caldwell County	1,086	1,086	1,086	1,086	1,086	1,086
County-Other	L	Guadalupe Run-of-River	0	0	0	0	0	0
County-Other	L	Queen City Aquifer | Caldwell County	142	142	142	142	142	142

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DRAFT Region L 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	L	Carrizo-Wilcox Aquifer | Caldwell County	5	5	5	5	5	5
Mining	L	Carrizo-Wilcox Aquifer | Caldwell County	112	89	66	42	18	8
Livestock	L	Carrizo-Wilcox Aquifer | Caldwell County	244	244	244	244	244	244
Livestock	L	Local Surface Water Supply	471	471	471	471	471	471
Livestock	L	Queen City Aquifer | Caldwell County	17	17	17	17	17	17
Irrigation	L	Carrizo-Wilcox Aquifer | Caldwell County	700	700	700	700	700	700
Irrigation	L	Queen City Aquifer | Caldwell County	78	78	78	78	78	78
Calhoun County WUG Total			**69,380**	**69,407**	**69,436**	**69,468**	**69,504**	**69,539**
Calhoun County / Colorado-Lavaca Basin WUG Total			**37,282**	**37,273**	**37,241**	**37,197**	**37,240**	**37,227**
Point Comfort	P	Texana Lake/Reservoir	178	178	178	178	178	178
County-Other	L	Gulf Coast Aquifer System | Calhoun County	153	153	129	96	153	153
Manufacturing	L	Guadalupe Run-of-River	17,055	17,046	17,038	17,027	17,013	17,000
Manufacturing	L	Gulf Coast Aquifer System | Calhoun County	200	200	200	200	200	200
Manufacturing	P	Texana Lake/Reservoir	18,874	18,874	18,874	18,874	18,874	18,874
Steam Electric Power		No water supply associated with WUG	0	0	0	0	0	0
Livestock	L	Gulf Coast Aquifer System | Calhoun County	122	122	122	122	122	122
Irrigation	L	Gulf Coast Aquifer System | Calhoun County	700	700	700	700	700	700
Calhoun County / Lavaca-Guadalupe Basin WUG Total			**32,093**	**32,129**	**32,189**	**32,265**	**32,259**	**32,307**
Guadalupe-Blanco River Authority	L	Canyon Lake/Reservoir	64	68	72	76	82	88
Guadalupe-Blanco River Authority	L	Guadalupe Run-of-River	174	184	194	208	224	240
Port Lavaca	L	Guadalupe Run-of-River	4,480	4,480	4,480	4,480	4,480	4,480
Port Oconnor Improvement District	L	Guadalupe Run-of-River	1,120	1,120	1,120	1,120	1,120	1,120

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DRAFT Region L 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
Port Oconnor Improvement District	L	Gulf Coast Aquifer System | Calhoun County	110	116	123	131	141	151
Seadrift	L	Gulf Coast Aquifer System | Calhoun County	256	277	299	323	349	374
County-Other	L	Gulf Coast Aquifer System | Calhoun County	342	342	365	398	342	342
Manufacturing	L	Canyon Lake/Reservoir	1,534	1,534	1,534	1,534	1,534	1,534
Manufacturing	L	Guadalupe Run-of-River	10,776	10,771	10,765	10,758	10,750	10,741
Manufacturing	P	Texana Lake/Reservoir	11,926	11,926	11,926	11,926	11,926	11,926
Livestock	L	Gulf Coast Aquifer System | Calhoun County	168	168	168	168	168	168
Livestock	L	Local Surface Water Supply	92	92	92	92	92	92
Irrigation	L	Gulf Coast Aquifer System | Calhoun County	1,051	1,051	1,051	1,051	1,051	1,051
Calhoun County / San Antonio-Nueces Basin WUG Total			**5**	**5**	**6**	**6**	**5**	**5**
County-Other	L	Gulf Coast Aquifer System | Calhoun County	5	5	6	6	5	5
Manufacturing		No water supply associated with WUG	0	0	0	0	0	0
Comal County WUG Total			**45,001**	**45,177**	**45,436**	**45,614**	**45,838**	**47,416**
Comal County / Guadalupe Basin WUG Total			**40,527**	**40,923**	**41,112**	**41,234**	**41,490**	**43,107**
3009 Water		No water supply associated with WUG	0	0	0	0	0	0
Canyon Lake Water Service*	L	Canyon Lake/Reservoir	6,229	6,239	6,243	6,245	6,249	6,252
Canyon Lake Water Service*	K	Trinity Aquifer | Blanco County	117	118	118	118	117	117
Canyon Lake Water Service*	L	Trinity Aquifer | Comal County	6,390	6,422	6,432	6,429	6,420	6,420
Clear Water Estates Water System	L	Trinity Aquifer | Comal County	50	50	50	50	50	50
Crystal Clear SUD	L	Canyon Lake/Reservoir	153	149	144	140	136	133
Crystal Clear SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	6	89	87	84	81	79
Crystal Clear SUD	L	Edwards-BFZ Aquifer | Hays County	115	112	108	105	102	99

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DRAFT Region L 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
Garden Ridge	L	Edwards-BFZ Aquifer | Comal County	249	249	249	249	249	249
Garden Ridge	L	Trinity Aquifer | Comal County	305	305	305	305	305	305
Green Valley SUD	L	Canyon Lake/Reservoir	44	47	48	51	51	53
Green Valley SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	90	94	98	103	105	107
Green Valley SUD	L	Edwards-BFZ Aquifer | Comal County	14	15	15	16	16	17
Green Valley SUD	L	Trinity Aquifer | Bexar County	10	10	10	11	11	11
KT Water Development	L	Trinity Aquifer | Comal County	406	406	406	406	406	406
New Braunfels	L	Canyon Lake/Reservoir	8,072	8,124	8,158	8,188	8,207	8,218
New Braunfels	L	Direct Reuse	89	89	90	90	90	90
New Braunfels	L	Edwards-BFZ Aquifer | Comal County	4,415	4,457	4,461	4,477	4,487	4,494
New Braunfels	L	Guadalupe Run-of-River	87	88	88	89	89	89
New Braunfels	L	Trinity Aquifer | Comal County	3,500	3,533	3,537	3,549	3,557	3,562
San Antonio Water System	L	Canyon Lake/Reservoir	4	4	4	4	4	4
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Bexar County	13	13	13	13	13	13
San Antonio Water System	G	Carrizo-Wilcox Aquifer | Burleson County	31	29	29	29	29	27
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Gonzales County	10	9	8	8	8	8
San Antonio Water System	L	Edwards-BFZ Aquifer | Bexar County	98	93	93	93	93	87
San Antonio Water System	L	Trinity Aquifer | Bexar County	2	2	1	1	1	1
San Antonio Water System	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
Schertz	L	Carrizo-Wilcox Aquifer | Gonzales County	225	367	497	551	594	607
Schertz	L	Edwards-BFZ Aquifer | Bexar County	34	41	51	61	72	81
Wingert Water Systems	L	Trinity Aquifer | Hays County	251	251	251	251	251	251
County-Other	L	Canyon Lake/Reservoir	464	464	464	464	464	464

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DRAFT Region L 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	L	Edwards-BFZ Aquifer | Comal County	90	90	90	90	90	90
County-Other	L	Trinity Aquifer | Comal County	1,700	1,700	1,700	1,700	1,700	1,700
Manufacturing	L	Canyon Lake/Reservoir	5	5	5	5	5	5
Manufacturing	L	Direct Reuse	784	784	784	784	784	784
Manufacturing	L	Edwards-BFZ Aquifer | Comal County	1,127	1,127	1,127	1,127	1,127	1,127
Manufacturing	L	Guadalupe Run-of-River	100	100	100	100	100	100
Manufacturing	L	Trinity Aquifer | Comal County	4	4	4	4	4	4
Mining	L	Edwards-BFZ Aquifer | Comal County	2,489	2,489	2,489	2,489	2,489	2,489
Mining	L	Trinity Aquifer | Comal County	1,906	1,906	1,906	1,906	2,085	3,665
Livestock	L	Local Surface Water Supply	120	120	120	120	120	120
Livestock	L	Trinity Aquifer | Comal County	100	100	100	100	100	100
Irrigation	L	Canyon Lake/Reservoir	162	162	162	162	162	162
Irrigation	L	Edwards-BFZ Aquifer | Comal County	462	462	462	462	462	462
Irrigation	L	Guadalupe Run-of-River	5	5	5	5	5	5
Comal County / San Antonio Basin WUG Total			**4,474**	**4,254**	**4,324**	**4,380**	**4,348**	**4,309**
3009 Water		No water supply associated with WUG	0	0	0	0	0	0
Canyon Lake Water Service*	L	Canyon Lake/Reservoir	1,330	1,332	1,332	1,333	1,334	1,335
Canyon Lake Water Service*	K	Trinity Aquifer | Blanco County	24	23	23	23	23	23
Canyon Lake Water Service*	L	Trinity Aquifer | Comal County	1,308	1,268	1,255	1,256	1,263	1,262
Fair Oaks Ranch	L	Canyon Lake/Reservoir	95	96	96	98	98	99
Fair Oaks Ranch	L	Direct Reuse	29	29	29	30	30	30
Fair Oaks Ranch	L	Trinity Aquifer | Comal County	2	2	2	2	2	2
Garden Ridge	L	Edwards-BFZ Aquifer | Comal County	141	141	141	141	141	141
Garden Ridge	L	Trinity Aquifer | Comal County	172	172	172	172	172	172

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DRAFT Region L 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
Guadalupe-Blanco River Authority	L	Canyon Lake/Reservoir	12	12	13	14	15	16
Guadalupe-Blanco River Authority	L	Guadalupe Run-of-River	33	35	37	39	42	45
San Antonio Water System	L	Canyon Lake/Reservoir	2	4	4	4	4	2
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Bexar County	15	15	14	14	14	14
San Antonio Water System	G	Carrizo-Wilcox Aquifer | Burleson County	20	19	20	19	19	18
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Gonzales County	13	11	10	10	10	10
San Antonio Water System	L	Edwards-BFZ Aquifer | Bexar County	65	62	62	62	62	58
San Antonio Water System	L	Trinity Aquifer | Bexar County	2	1	1	1	1	1
San Antonio Water System	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
Selma	L	Carrizo-Wilcox Aquifer | Gonzales County	3	2	3	3	3	4
Selma	L	Edwards-BFZ Aquifer | Bexar County	2	2	2	2	2	2
Water Services	L	Trinity Aquifer | Bexar County	479	299	341	375	313	254
County-Other	L	Trinity Aquifer | Comal County	356	302	286	254	214	169
Mining	L	Trinity Aquifer | Comal County	344	400	454	501	559	625
Livestock	L	Local Surface Water Supply	9	9	9	9	9	9
Livestock	L	Trinity Aquifer | Comal County	8	8	8	8	8	8
Irrigation	L	Edwards-BFZ Aquifer | Comal County	10	10	10	10	10	10
DeWitt County WUG Total			**8,209**	**8,180**	**8,823**	**8,518**	**8,398**	**8,110**
DeWitt County / Guadalupe Basin WUG Total			**5,736**	**5,726**	**6,343**	**6,115**	**6,058**	**5,797**
Cuero	L	Gulf Coast Aquifer System | DeWitt County	1,826	1,854	1,857	1,870	1,885	1,897
Gonzales County WSC	L	Canyon Lake/Reservoir	18	17	16	15	14	13

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DRAFT Region L 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
Gonzales County WSC	L	Carrizo-Wilcox Aquifer | Gonzales County	151	141	133	123	115	106
Yorktown	L	Gulf Coast Aquifer System | DeWitt County	396	397	394	398	401	403
County-Other	L	Gulf Coast Aquifer System | DeWitt County	1,008	1,008	1,008	1,008	1,008	1,008
Manufacturing	L	Gulf Coast Aquifer System | DeWitt County	157	158	164	171	172	172
Mining	L	Gulf Coast Aquifer System | DeWitt County	731	702	1,322	1,081	494	229
Livestock	L	Gulf Coast Aquifer System | DeWitt County	818	818	818	818	818	818
Livestock	L	Local Surface Water Supply	631	631	631	631	631	631
Irrigation	L	Gulf Coast Aquifer System | DeWitt County	0	0	0	0	520	520
DeWitt County / Lavaca Basin WUG Total			**1,966**	**1,963**	**1,950**	**1,934**	**1,932**	**1,932**
Yoakum*	L	Gulf Coast Aquifer System | DeWitt County	351	351	351	351	351	351
County-Other	L	Gulf Coast Aquifer System | DeWitt County	220	220	220	220	220	220
Manufacturing	L	Gulf Coast Aquifer System | DeWitt County	162	164	170	177	178	178
Mining	L	Gulf Coast Aquifer System | DeWitt County	462	438	335	226	104	48
Livestock	L	Gulf Coast Aquifer System | DeWitt County	13	13	13	13	13	13
Livestock	L	Local Surface Water Supply	282	282	282	282	282	282
Irrigation	L	Gulf Coast Aquifer System | DeWitt County	476	495	579	665	784	840
DeWitt County / Lavaca-Guadalupe Basin WUG Total			**34**	**34**	**34**	**34**	**34**	**34**
County-Other	L	Gulf Coast Aquifer System | DeWitt County	2	2	2	2	2	2
Livestock	L	Gulf Coast Aquifer System | DeWitt County	8	8	8	8	8	8
Livestock	L	Local Surface Water Supply	9	9	9	9	9	9

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DRAFT Region L 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	L	Gulf Coast Aquifer System | DeWitt County	15	15	15	15	15	15
DeWitt County / San Antonio Basin WUG Total			**473**	**457**	**496**	**435**	**374**	**347**
County-Other	L	Gulf Coast Aquifer System | DeWitt County	76	76	75	75	75	76
Mining	L	Gulf Coast Aquifer System | DeWitt County	254	238	176	113	52	24
Livestock	L	Gulf Coast Aquifer System | DeWitt County	68	68	68	68	68	68
Livestock	L	Local Surface Water Supply	75	75	75	75	75	75
Irrigation	L	Gulf Coast Aquifer System | DeWitt County	0	0	102	104	104	104
Dimmit County WUG Total			**3,898**	**4,008**	**4,078**	**4,166**	**4,237**	**4,296**
Dimmit County / Nueces Basin WUG Total			**3,777**	**3,887**	**3,957**	**4,045**	**4,116**	**4,175**
Asherton	L	Carrizo-Wilcox Aquifer | Dimmit County	238	249	260	271	280	287
Big Wells	L	Carrizo-Wilcox Aquifer | Dimmit County	121	126	129	133	137	141
Carrizo Hill WSC	L	Carrizo-Wilcox Aquifer | Dimmit County	119	125	129	134	138	141
Carrizo Springs	L	Carrizo-Wilcox Aquifer | Dimmit County	1,623	1,717	1,773	1,846	1,904	1,952
County-Other	L	Carrizo-Wilcox Aquifer | Dimmit County	358	358	358	358	358	358
Mining	L	Carrizo-Wilcox Aquifer | Dimmit County	695	689	685	680	676	673
Mining	L	Nueces Run-of-River	0	0	0	0	0	0
Livestock	L	Carrizo-Wilcox Aquifer | Dimmit County	179	179	179	179	179	179
Livestock	L	Local Surface Water Supply	170	170	170	170	170	170
Irrigation	L	Carrizo-Wilcox Aquifer | Dimmit County	64	64	64	64	64	64
Irrigation	L	Nueces Run-of-River	210	210	210	210	210	210

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DRAFT Region L 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
Dimmit County / Rio Grande Basin WUG Total			**121**	**121**	**121**	**121**	**121**	**121**
County-Other	L	Carrizo-Wilcox Aquifer | Dimmit County	4	4	4	4	4	4
Mining		No water supply associated with WUG	0	0	0	0	0	0
Livestock	L	Carrizo-Wilcox Aquifer | Dimmit County	15	15	15	15	15	15
Livestock	L	Local Surface Water Supply	24	24	24	24	24	24
Irrigation	L	Carrizo-Wilcox Aquifer | Dimmit County	78	78	78	78	78	78
Frio County WUG Total			**88,651**	**88,679**	**86,764**	**84,796**	**82,708**	**80,662**
Frio County / Nueces Basin WUG Total			**88,651**	**88,679**	**86,764**	**84,796**	**82,708**	**80,662**
Benton City WSC	L	Carrizo-Wilcox Aquifer | Atascosa County	95	90	85	83	81	79
Dilley	L	Carrizo-Wilcox Aquifer | Frio County	2,147	2,147	2,147	2,147	2,147	2,147
Moore WSC	L	Carrizo-Wilcox Aquifer | Frio County	4,033	4,033	4,033	4,033	4,033	4,033
Pearsall	L	Carrizo-Wilcox Aquifer | Frio County	1,410	1,410	1,410	1,410	1,410	1,410
County-Other	L	Carrizo-Wilcox Aquifer | Frio County	560	560	560	560	560	560
Mining	L	Carrizo-Wilcox Aquifer | Frio County	517	550	528	386	220	190
Mining	L	Queen City Aquifer | Frio County	700	700	650	600	400	200
Steam Electric Power	L	Carrizo-Wilcox Aquifer | Frio County	124	124	124	124	124	124
Livestock	L	Local Surface Water Supply	441	441	441	441	441	441
Livestock	L	Queen City Aquifer | Frio County	441	441	441	441	441	441
Irrigation	L	Carrizo-Wilcox Aquifer | Frio County	74,283	74,283	72,445	70,671	68,951	67,137
Irrigation	L	Queen City Aquifer | Frio County	3,300	3,300	3,300	3,300	3,300	3,300
Irrigation	L	Sparta Aquifer | Frio County	600	600	600	600	600	600

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DRAFT Region L 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
Goliad County WUG Total			**31,857**	**31,889**	**31,909**	**31,916**	**31,925**	**31,930**
Goliad County / Guadalupe Basin WUG Total			**27,540**	**27,539**	**27,538**	**27,538**	**27,538**	**27,538**
County-Other	L	Gulf Coast Aquifer System | Goliad County	657	656	655	655	655	655
Mining	L	Gulf Coast Aquifer System | Goliad County	126	126	126	126	126	126
Steam Electric Power	L	Coleto Creek Lake/Reservoir	24,160	24,160	24,160	24,160	24,160	24,160
Steam Electric Power	L	Gulf Coast Aquifer System | Goliad County	1,863	1,863	1,863	1,863	1,863	1,863
Livestock	L	Gulf Coast Aquifer System | Goliad County	153	153	153	153	153	153
Livestock	L	Local Surface Water Supply	42	42	42	42	42	42
Irrigation	L	Gulf Coast Aquifer System | Goliad County	539	539	539	539	539	539
Goliad County / San Antonio Basin WUG Total			**3,155**	**3,188**	**3,209**	**3,216**	**3,225**	**3,230**
Goliad	L	Gulf Coast Aquifer System | Goliad County	920	920	920	920	920	920
County-Other	L	Gulf Coast Aquifer System | Goliad County	301	334	355	362	371	376
Livestock	L	Gulf Coast Aquifer System | Goliad County	246	246	246	246	246	246
Livestock	L	Local Surface Water Supply	88	88	88	88	88	88
Irrigation	L	Gulf Coast Aquifer System | Goliad County	1,600	1,600	1,600	1,600	1,600	1,600
Goliad County / San Antonio-Nueces Basin WUG Total			**1,162**	**1,162**	**1,162**	**1,162**	**1,162**	**1,162**
County-Other	L	Gulf Coast Aquifer System | Goliad County	150	150	150	150	150	150
Livestock	L	Gulf Coast Aquifer System | Goliad County	232	232	232	232	232	232
Livestock	L	Local Surface Water Supply	80	80	80	80	80	80
Irrigation	L	Gulf Coast Aquifer System | Goliad County	700	700	700	700	700	700

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DRAFT Region L 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
Gonzales County WUG Total			**32,609**	**32,451**	**32,057**	**31,666**	**31,276**	**31,258**
Gonzales County / Guadalupe Basin WUG Total			**32,345**	**32,187**	**31,793**	**31,402**	**31,012**	**30,994**
Fayette WSC*	K	Carrizo-Wilcox Aquifer | Fayette County	1	2	2	3	3	4
Fayette WSC*	K	Queen City Aquifer | Fayette County	0	0	1	1	1	1
Fayette WSC*	K	Yegua-Jackson Aquifer | Fayette County	1	1	2	2	3	3
Gonzales	L	Carrizo-Wilcox Aquifer | Gonzales County	2,920	2,920	2,920	2,920	2,920	2,920
Gonzales	L	Guadalupe Run-of-River	2,240	2,240	2,240	2,240	2,240	2,240
Gonzales County WSC	L	Canyon Lake/Reservoir	318	317	317	317	317	317
Gonzales County WSC	L	Carrizo-Wilcox Aquifer | Gonzales County	2,647	2,644	2,641	2,643	2,645	2,648
Luling		No water supply associated with WUG	0	0	0	0	0	0
Nixon	L	Carrizo-Wilcox Aquifer | Gonzales County	3,620	3,612	3,613	3,614	3,615	3,616
Smiley	L	Carrizo-Wilcox Aquifer | Gonzales County	444	444	444	444	444	444
Waelder	L	Queen City Aquifer | Gonzales County	630	630	630	630	630	630
County-Other	L	Carrizo-Wilcox Aquifer | Gonzales County	778	778	778	778	778	778
Manufacturing	L	Carrizo-Wilcox Aquifer | Gonzales County	1,041	1,287	1,287	1,287	1,287	1,287
Manufacturing	L	Sparta Aquifer | Gonzales County	1,140	1,140	1,140	1,140	1,140	1,140
Mining	L	Carrizo-Wilcox Aquifer | Gonzales County	1,600	1,207	813	418	24	1
Livestock	L	Carrizo-Wilcox Aquifer | Gonzales County	3,045	3,045	3,045	3,045	3,045	3,045
Livestock	L	Gulf Coast Aquifer System | Gonzales County	1	1	1	1	1	1
Livestock	L	Local Surface Water Supply	4,678	4,678	4,678	4,678	4,678	4,678
Livestock	L	Queen City Aquifer | Gonzales County	554	554	554	554	554	554
Livestock	L	Sparta Aquifer | Gonzales County	449	449	449	449	449	449

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DRAFT Region L 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	L	Yegua-Jackson Aquifer | Gonzales County	629	629	629	629	629	629
Irrigation	L	Canyon Lake/Reservoir	7	7	7	7	7	7
Irrigation	L	Carrizo-Wilcox Aquifer | Gonzales County	4,361	4,361	4,361	4,361	4,361	4,361
Irrigation	L	Guadalupe Run-of-River	0	0	0	0	0	0
Irrigation	L	Queen City Aquifer | Gonzales County	1,241	1,241	1,241	1,241	1,241	1,241
Gonzales County / Lavaca Basin WUG Total			**264**	**264**	**264**	**264**	**264**	**264**
County-Other	L	Carrizo-Wilcox Aquifer | Gonzales County	48	48	48	48	48	48
Mining		No water supply associated with WUG	0	0	0	0	0	0
Livestock	L	Carrizo-Wilcox Aquifer | Gonzales County	108	108	108	108	108	108
Livestock	L	Local Surface Water Supply	108	108	108	108	108	108
Guadalupe County WUG Total			**55,123**	**57,759**	**59,040**	**59,058**	**59,090**	**59,218**
Guadalupe County / Guadalupe Basin WUG Total			**39,922**	**40,485**	**41,334**	**41,986**	**42,707**	**43,049**
Crystal Clear SUD	L	Canyon Lake/Reservoir	824	834	837	831	824	813
Crystal Clear SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	32	499	500	497	492	486
Crystal Clear SUD	L	Edwards-BFZ Aquifer | Hays County	618	626	628	624	618	610
Gonzales County WSC	L	Canyon Lake/Reservoir	5	6	6	6	7	7
Gonzales County WSC	L	Carrizo-Wilcox Aquifer | Gonzales County	42	46	50	52	55	57
Green Valley SUD	L	Canyon Lake/Reservoir	1,396	1,405	1,413	1,419	1,425	1,431
Green Valley SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	2,847	2,866	2,881	2,892	2,903	2,914
Green Valley SUD	L	Edwards-BFZ Aquifer | Comal County	441	444	446	448	450	56
Green Valley SUD	L	Trinity Aquifer | Bexar County	302	304	306	307	308	309
Martindale WSC	L	Canyon Lake/Reservoir	12	14	16	18	20	20
Martindale WSC	L	Guadalupe Run-of-River	1	1	1	1	1	1
New Braunfels	L	Canyon Lake/Reservoir	1,648	1,596	1,562	1,532	1,513	1,502

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DRAFT Region L 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
New Braunfels	L	Direct Reuse	18	18	17	17	17	17
New Braunfels	L	Edwards-BFZ Aquifer | Comal County	883	841	837	821	811	804
New Braunfels	L	Guadalupe Run-of-River	18	17	17	16	16	16
New Braunfels	L	Trinity Aquifer | Comal County	700	667	663	651	643	638
Schertz	L	Carrizo-Wilcox Aquifer | Gonzales County	434	583	618	566	512	461
Schertz	L	Edwards-BFZ Aquifer | Bexar County	65	64	64	63	62	61
Seguin	L	Canyon Lake/Reservoir	1,000	1,000	1,000	1,000	1,000	1,000
Seguin	L	Carrizo-Wilcox Aquifer | Gonzales County	3,165	3,921	4,666	5,326	6,028	6,719
Seguin	L	Direct Reuse	100	100	100	100	100	100
Springs Hill WSC	L	Canyon Lake/Reservoir	3,002	3,002	3,002	3,002	3,002	3,002
Springs Hill WSC	L	Carrizo-Wilcox Aquifer | Gonzales County	828	828	828	828	828	828
Springs Hill WSC	L	Carrizo-Wilcox Aquifer | Guadalupe County	975	169	169	169	169	169
Tri Community WSC	L	Guadalupe Run-of-River	8	10	10	9	10	10
Water Services	L	Trinity Aquifer | Bexar County	74	69	72	76	79	82
County-Other	L	Canyon Lake/Reservoir	464	464	464	464	464	464
County-Other	L	Carrizo-Wilcox Aquifer | Guadalupe County	13	15	18	21	23	26
County-Other	L	Guadalupe Run-of-River	61	61	61	61	61	61
Manufacturing	L	Canyon Lake/Reservoir	985	985	985	985	985	985
Manufacturing	L	Carrizo-Wilcox Aquifer | Guadalupe County	1,488	1,487	1,487	1,487	1,487	1,487
Manufacturing	L	Edwards-BFZ Aquifer | Guadalupe County	202	202	202	202	202	202
Manufacturing	L	Guadalupe Run-of-River	1,459	1,459	1,459	1,459	1,459	1,459
Mining	L	Carrizo-Wilcox Aquifer | Guadalupe County	342	412	479	566	663	782
Steam Electric Power	L	Canyon Lake/Reservoir	6,840	6,840	6,840	6,840	6,840	6,840
Steam Electric Power	L	Direct Reuse	880	880	880	880	880	880
Steam Electric Power	L	Guadalupe Run-of-River	5,600	5,600	5,600	5,600	5,600	5,600

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DRAFT Region L 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	L	Carrizo-Wilcox Aquifer | Guadalupe County	520	520	520	520	520	520
Livestock	L	Local Surface Water Supply	650	650	650	650	650	650
Irrigation	L	Canyon Lake/Reservoir	311	311	311	311	311	311
Irrigation	L	Carrizo-Wilcox Aquifer | Guadalupe County	398	398	398	398	398	398
Irrigation	L	Guadalupe Run-of-River	271	271	271	271	271	271
Guadalupe County / San Antonio Basin WUG Total			**15,201**	**17,274**	**17,706**	**17,072**	**16,383**	**16,169**
Cibolo	L	Canyon Lake/Reservoir	1,350	1,350	1,350	1,350	1,350	1,350
Cibolo	L	Carrizo-Wilcox Aquifer | Gonzales County	1,861	1,861	1,861	1,861	1,861	1,861
East Central SUD	L	Canyon Lake/Reservoir	47	48	42	51	46	54
East Central SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	33	34	30	36	33	38
East Central SUD	L	Edwards-BFZ Aquifer | Bexar County	25	26	23	28	25	30
Green Valley SUD	L	Canyon Lake/Reservoir	1,019	1,025	1,032	1,036	1,041	1,045
Green Valley SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	2,079	2,090	2,102	2,111	2,120	2,127
Green Valley SUD	L	Edwards-BFZ Aquifer | Comal County	322	323	326	327	328	724
Green Valley SUD	L	Trinity Aquifer | Bexar County	220	222	223	224	225	226
Marion	L	Canyon Lake/Reservoir	100	100	100	100	100	100
Marion	L	Carrizo-Wilcox Aquifer | Gonzales County	200	200	200	200	200	200
Marion	L	Edwards-BFZ Aquifer | Comal County	6	6	6	6	6	6
Schertz	L	Carrizo-Wilcox Aquifer | Gonzales County	5,439	7,299	7,744	7,089	6,406	5,770
Schertz	L	Edwards-BFZ Aquifer | Bexar County	814	810	799	788	776	766
Selma	L	Carrizo-Wilcox Aquifer | Gonzales County	338	504	478	455	436	419
Selma	L	Edwards-BFZ Aquifer | Bexar County	216	322	305	291	279	268
Springs Hill WSC	L	Canyon Lake/Reservoir	404	404	404	404	404	404
Springs Hill WSC	L	Carrizo-Wilcox Aquifer | Gonzales County	112	112	112	112	112	112

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DRAFT Region L 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
Springs Hill WSC	L	Carrizo-Wilcox Aquifer | Guadalupe County	131	23	23	23	23	23
Universal City		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Guadalupe County	154	183	214	248	280	314
Manufacturing	L	Carrizo-Wilcox Aquifer | Guadalupe County	2	3	3	3	3	3
Livestock	L	Carrizo-Wilcox Aquifer | Guadalupe County	130	130	130	130	130	130
Irrigation	L	Carrizo-Wilcox Aquifer | Guadalupe County	199	199	199	199	199	199
Hays County WUG Total			**34,293**	**33,763**	**34,717**	**35,383**	**37,913**	**37,991**
Hays County / Guadalupe Basin WUG Total			**34,293**	**33,763**	**34,717**	**35,383**	**37,913**	**37,991**
County Line SUD	L	Canyon Lake/Reservoir	905	905	937	968	1,002	1,038
County Line SUD	L	Edwards-BFZ Aquifer | Hays County	112	112	116	120	124	129
Creedmoor-Maha WSC*	G	Carrizo-Wilcox Aquifer | Lee County	0	0	0	0	0	0
Crystal Clear SUD	L	Canyon Lake/Reservoir	323	317	319	329	340	354
Crystal Clear SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	13	204	205	211	219	227
Crystal Clear SUD	L	Edwards-BFZ Aquifer | Hays County	261	256	258	265	274	285
Goforth SUD*	L	Canyon Lake/Reservoir	4,186	4,186	4,186	4,186	4,186	4,186
Goforth SUD*	L	Edwards-BFZ Aquifer | Hays County	105	104	103	103	103	103
Goforth SUD*	K	Edwards-BFZ Aquifer | Travis County	7	7	7	7	7	7
Goforth SUD*	L	Trinity Aquifer | Hays County	1,482	1,502	1,509	1,511	1,510	1,507
Kyle	L	Canyon Lake/Reservoir	5,443	5,443	5,443	5,443	5,443	5,443
Kyle	L	Direct Reuse	583	583	583	583	583	583
Kyle	L	Edwards-BFZ Aquifer | Hays County	247	247	247	247	247	247
Maxwell SUD	L	Canyon Lake/Reservoir	194	178	168	164	161	161
Maxwell SUD	L	Edwards-BFZ Aquifer | Hays County	48	44	41	40	40	40
Maxwell SUD	L	Guadalupe Run-of-River	3	2	2	2	2	2

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DRAFT Region L 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
San Marcos	L	Canyon Lake/Reservoir	9,998	9,998	9,998	9,997	9,997	9,997
San Marcos	L	Edwards-BFZ Aquifer | Hays County	3,084	3,084	3,083	3,083	3,083	3,083
South Buda WCID 1	L	Trinity Aquifer | Hays County	650	650	650	650	650	650
Texas State University	L	Edwards-BFZ Aquifer | Hays County	1,130	1,130	1,130	1,130	1,130	1,130
Wimberley WSC	L	Trinity Aquifer | Hays County	1,152	1,152	1,152	1,152	1,152	1,152
County-Other*	L	Canyon Lake/Reservoir	708	0	921	1,533	4,001	4,008
County-Other*	L	Edwards-BFZ Aquifer | Hays County	258	258	258	258	258	258
County-Other*	L	Trinity Aquifer | Hays County	341	341	341	341	341	341
Manufacturing*	L	Edwards-BFZ Aquifer | Hays County	67	67	67	67	67	67
Mining*	L	Trinity Aquifer | Hays County	71	71	71	71	71	71
Steam Electric Power		No water supply associated with WUG	0	0	0	0	0	0
Livestock*	L	Edwards-BFZ Aquifer | Hays County	200	200	200	200	200	200
Livestock*	L	Local Surface Water Supply	754	754	754	754	754	754
Livestock*	L	Trinity Aquifer | Hays County	1,838	1,838	1,838	1,838	1,838	1,838
Irrigation*	L	Direct Reuse	37	37	37	37	37	37
Irrigation*	L	Edwards-BFZ Aquifer | Hays County	34	34	34	34	34	34
Irrigation*	L	Trinity Aquifer | Hays County	59	59	59	59	59	59
Karnes County WUG Total			**7,483**	**7,509**	**6,547**	**6,454**	**5,906**	**5,903**
Karnes County / Guadalupe Basin WUG Total			**530**	**509**	**471**	**432**	**393**	**391**
El Oso WSC*	L	Carrizo-Wilcox Aquifer | Karnes County	3	3	3	3	4	4
El Oso WSC*	L	Gulf Coast Aquifer System | Karnes County	5	5	5	4	2	2
County-Other	L	Carrizo-Wilcox Aquifer | Karnes County	9	25	25	24	24	24

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DRAFT Region L 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	L	Gulf Coast Aquifer System | Karnes County	7	7	7	7	7	7
County-Other	L	Yegua-Jackson Aquifer | Karnes County	3	3	3	3	3	3
Mining	L	Carrizo-Wilcox Aquifer | Karnes County	152	115	77	40	2	0
Livestock	L	Gulf Coast Aquifer System | Karnes County	4	4	4	4	4	4
Livestock	L	Local Surface Water Supply	20	20	20	20	20	20
Livestock	L	Yegua-Jackson Aquifer | Karnes County	17	17	17	17	17	17
Irrigation	L	Yegua-Jackson Aquifer | Karnes County	310	310	310	310	310	310
Karnes County / Nueces Basin WUG Total			**240**	**240**	**240**	**235**	**228**	**226**
El Oso WSC*	L	Carrizo-Wilcox Aquifer | Karnes County	8	8	9	10	11	11
El Oso WSC*	L	Gulf Coast Aquifer System | Karnes County	13	13	13	12	7	7
Three Oaks WSC		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Yegua-Jackson Aquifer | Karnes County	8	8	8	7	7	7
Mining	L	Gulf Coast Aquifer System | Karnes County	36	36	35	31	28	26
Livestock	L	Gulf Coast Aquifer System | Karnes County	42	42	42	42	42	42
Livestock	L	Yegua-Jackson Aquifer | Karnes County	91	91	91	91	91	91
Irrigation	L	Carrizo-Wilcox Aquifer | Karnes County	42	42	42	42	42	42
Karnes County / San Antonio Basin WUG Total			**6,650**	**6,698**	**5,774**	**5,724**	**5,222**	**5,223**
El Oso WSC*	L	Carrizo-Wilcox Aquifer | Karnes County	244	241	258	287	306	302
El Oso WSC*	L	Gulf Coast Aquifer System | Karnes County	393	390	383	342	199	197
El Oso WSC*	N	Gulf Coast Aquifer System | Live Oak County	1	1	1	1	2	1
Falls City	L	Carrizo-Wilcox Aquifer | Karnes County	220	233	243	248	252	252

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DRAFT Region L 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
Karnes City	L	Carrizo-Wilcox Aquifer | Karnes County	289	306	319	326	336	360
Kenedy	L	Gulf Coast Aquifer System | Karnes County	1,838	1,838	1,838	1,838	1,838	1,838
Runge	L	Gulf Coast Aquifer System | Karnes County	263	264	260	259	258	258
Sunko WSC	L	Carrizo-Wilcox Aquifer | Wilson County	64	53	46	39	35	33
Three Oaks WSC		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Karnes County	40	45	50	50	50	50
County-Other	L	Gulf Coast Aquifer System | Karnes County	288	294	289	286	285	285
County-Other	L	Yegua-Jackson Aquifer | Karnes County	99	98	98	100	100	100
Manufacturing	L	Gulf Coast Aquifer System | Karnes County	131	155	42	0	0	0
Mining	L	Yegua-Jackson Aquifer | Karnes County	411	411	411	411	15	1
Livestock	L	Gulf Coast Aquifer System | Karnes County	275	274	0	0	0	0
Livestock	L	Local Surface Water Supply	547	548	548	549	558	558
Livestock	L	Yegua-Jackson Aquifer | Karnes County	888	888	888	888	888	888
Irrigation	L	Gulf Coast Aquifer System | Karnes County	559	559	0	0	0	0
Irrigation	L	San Antonio Run-of-River	100	100	100	100	100	100
Karnes County / San Antonio-Nueces Basin WUG Total			**63**	**62**	**62**	**63**	**63**	**63**
El Oso WSC*	L	Carrizo-Wilcox Aquifer | Karnes County	2	2	2	3	3	3
El Oso WSC*	L	Gulf Coast Aquifer System | Karnes County	4	3	3	3	3	3
County-Other	L	Gulf Coast Aquifer System | Karnes County	20	20	20	20	20	20
County-Other	L	Yegua-Jackson Aquifer | Karnes County	1	1	1	1	1	1
Livestock	L	Gulf Coast Aquifer System | Karnes County	14	14	14	14	14	14

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DRAFT Region L 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	L	Local Surface Water Supply	10	10	10	10	10	10
Irrigation	L	Gulf Coast Aquifer System | Karnes County	12	12	12	12	12	12
Kendall County WUG Total			**13,010**	**13,068**	**13,343**	**13,577**	**13,679**	**13,929**
Kendall County / Colorado Basin WUG Total			**105**	**105**	**105**	**105**	**105**	**105**
County-Other	L	Canyon Lake/Reservoir	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Bexar County	0	0	0	0	0	0
County-Other	G	Carrizo-Wilcox Aquifer | Burleson County	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Gonzales County	0	0	0	0	0	0
County-Other	L	Direct Reuse	0	0	0	0	0	0
County-Other	L	Edwards-BFZ Aquifer | Bexar County	0	0	0	0	0	0
County-Other	L	Edwards-Trinity-Plateau Aquifer | Kendall County	67	67	67	67	67	67
County-Other	L	Guadalupe Run-of-River	0	0	0	0	0	0
County-Other	L	San Antonio Run-of-River	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Bexar County	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Kendall County	25	25	25	25	25	25
Livestock	L	Edwards-Trinity-Plateau Aquifer | Kendall County	2	2	2	2	2	2
Livestock	L	Local Surface Water Supply	6	6	6	6	6	6
Livestock	L	Trinity Aquifer | Kendall County	5	5	5	5	5	5
Kendall County / Guadalupe Basin WUG Total			**4,289**	**4,208**	**4,370**	**4,418**	**4,447**	**4,537**
Guadalupe-Blanco River Authority	L	Canyon Lake/Reservoir	11	11	12	13	14	15
Guadalupe-Blanco River Authority	L	Guadalupe Run-of-River	30	32	34	36	39	42
Kendall County WCID 1	L	Direct Reuse	227	227	227	227	227	227

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DRAFT Region L 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
Kendall County WCID 1	L	Trinity Aquifer | Kendall County	500	500	500	500	500	500
County-Other	L	Canyon Lake/Reservoir	1,500	1,500	1,500	1,500	1,500	1,500
County-Other	L	Carrizo-Wilcox Aquifer | Bexar County	0	0	0	0	0	0
County-Other	G	Carrizo-Wilcox Aquifer | Burleson County	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Gonzales County	0	0	0	0	0	0
County-Other	L	Direct Reuse	0	0	0	0	0	0
County-Other	L	Edwards-BFZ Aquifer | Bexar County	0	0	0	0	0	0
County-Other	L	Edwards-Trinity-Plateau Aquifer | Kendall County	94	94	94	94	94	94
County-Other	L	Guadalupe Run-of-River	0	0	0	0	0	0
County-Other	L	San Antonio Run-of-River	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Bexar County	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Kendall County	1,088	1,005	1,164	1,209	1,234	1,320
Manufacturing	L	Trinity Aquifer | Kendall County	1	1	1	1	1	1
Livestock	L	Edwards-Trinity-Plateau Aquifer | Kendall County	9	9	9	9	9	9
Livestock	L	Local Surface Water Supply	159	159	159	159	159	159
Livestock	L	Trinity Aquifer | Kendall County	148	148	148	148	148	148
Irrigation	L	Direct Reuse	39	39	39	39	39	39
Irrigation	L	Guadalupe Run-of-River	26	26	26	26	26	26
Irrigation	L	Trinity Aquifer | Kendall County	457	457	457	457	457	457
Kendall County / San Antonio Basin WUG Total			**8,616**	**8,755**	**8,868**	**9,054**	**9,127**	**9,287**
Boerne	L	Boerne Lake/Reservoir	648	648	648	648	648	648
Boerne	L	Canyon Lake/Reservoir	3,611	3,611	3,611	3,611	3,611	3,611
Boerne	L	Direct Reuse	65	65	65	65	65	65

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DRAFT Region L 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
Boerne	L	Trinity Aquifer | Kendall County	1,850	1,850	1,850	1,850	1,850	1,850
Fair Oaks Ranch	L	Canyon Lake/Reservoir	585	690	775	840	895	940
Fair Oaks Ranch	L	Direct Reuse	177	209	235	254	271	285
Fair Oaks Ranch	L	Trinity Aquifer | Comal County	13	15	17	19	20	21
Guadalupe-Blanco River Authority	L	Guadalupe Run-of-River	1	1	1	1	1	1
Kendall West Utility	L	Trinity Aquifer | Kendall County	500	500	500	500	500	500
Water Services		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Canyon Lake/Reservoir	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Bexar County	0	0	0	0	0	0
County-Other	G	Carrizo-Wilcox Aquifer | Burleson County	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Gonzales County	0	0	0	0	0	0
County-Other	L	Direct Reuse	0	0	0	0	0	0
County-Other	L	Edwards-BFZ Aquifer | Bexar County	0	0	0	0	0	0
County-Other	L	Guadalupe Run-of-River	0	0	0	0	0	0
County-Other	L	San Antonio Run-of-River	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Bexar County	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
County-Other	L	Trinity Aquifer | Kendall County	1,000	1,000	1,000	1,100	1,100	1,200
Livestock	L	Local Surface Water Supply	33	33	33	33	33	33
Livestock	L	Trinity Aquifer | Kendall County	33	33	33	33	33	33
Irrigation	L	Trinity Aquifer | Kendall County	100	100	100	100	100	100
La Salle County WUG Total			**8,598**	**8,598**	**8,598**	**8,598**	**8,598**	**8,598**
La Salle County / Nueces Basin WUG Total			**8,598**	**8,598**	**8,598**	**8,598**	**8,598**	**8,598**
Cotulla	L	Carrizo-Wilcox Aquifer | La Salle County	2,381	2,381	2,381	2,381	2,381	2,381

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DRAFT Region L 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
Encinal WSC	L	Carrizo-Wilcox Aquifer | La Salle County	295	295	295	295	295	295
County-Other	L	Carrizo-Wilcox Aquifer | La Salle County	302	321	341	366	389	412
Mining	L	Carrizo-Wilcox Aquifer | La Salle County	529	529	529	529	529	529
Livestock	L	Carrizo-Wilcox Aquifer | La Salle County	80	80	80	80	80	80
Livestock	L	Local Surface Water Supply	245	245	245	245	245	245
Livestock	L	Queen City Aquifer | La Salle County	1	1	1	1	1	1
Livestock	L	Sparta Aquifer | La Salle County	74	74	74	74	74	74
Livestock	L	Yegua-Jackson Aquifer | La Salle County	91	91	91	91	91	91
Irrigation	L	Carrizo-Wilcox Aquifer | La Salle County	3,217	3,198	3,178	3,153	3,130	3,107
Irrigation	L	Nueces Run-of-River	474	474	474	474	474	474
Irrigation	L	Sparta Aquifer | La Salle County	909	909	909	909	909	909
Medina County WUG Total			**38,230**	**39,411**	**39,803**	**39,782**	**39,956**	**39,133**
Medina County / Nueces Basin WUG Total			**29,811**	**29,757**	**30,053**	**29,936**	**30,001**	**29,182**
Benton City WSC	L	Carrizo-Wilcox Aquifer | Atascosa County	855	877	889	890	890	887
Devine	L	Carrizo-Wilcox Aquifer | Medina County	619	619	619	619	619	619
Devine	L	Edwards-BFZ Aquifer | Medina County	218	218	218	218	218	218
East Medina County SUD	L	Edwards-BFZ Aquifer | Medina County	535	535	535	535	535	535
Hondo	L	Edwards-BFZ Aquifer | Medina County	1,512	1,512	1,512	1,512	1,512	1,512
Lytle	L	Edwards-BFZ Aquifer | Medina County	89	93	96	97	97	97
Medina County WCID 2	L	Edwards-BFZ Aquifer | Bexar County	102	102	102	102	102	102
Medina County WCID 2	L	Trinity Aquifer | Medina County	468	468	468	468	468	468

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DRAFT Region L 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
Medina River West WSC	L	Edwards-BFZ Aquifer | Medina County	87	87	87	87	87	87
Medina River West WSC	L	Trinity Aquifer | Medina County	215	214	214	214	214	215
Natalia	L	Edwards-BFZ Aquifer | Medina County	186	186	186	186	186	186
Ville Dalsace Water Supply	L	Edwards-BFZ Aquifer | Medina County	0	0	0	0	0	0
West Medina WSC	L	Edwards-BFZ Aquifer | Medina County	189	189	189	189	189	189
Yancey WSC	L	Edwards-BFZ Aquifer | Medina County	18	1	1	1	1	1
County-Other	L	Carrizo-Wilcox Aquifer | Medina County	348	459	542	610	674	726
County-Other	L	Edwards-BFZ Aquifer | Medina County	1,232	1,232	1,232	1,232	1,232	1,232
Manufacturing	L	Carrizo-Wilcox Aquifer | Medina County	2	2	2	2	2	2
Manufacturing	L	Edwards-BFZ Aquifer | Medina County	1,526	1,526	1,526	1,526	1,526	1,526
Manufacturing	L	Leona Gravel Aquifer | Medina County	15	15	15	15	15	15
Mining	L	Edwards-BFZ Aquifer | Medina County	488	456	433	409	373	333
Mining	L	Leona Gravel Aquifer | Medina County	1,057	1,243	1,397	1,553	1,755	1,978
Livestock	L	Carrizo-Wilcox Aquifer | Medina County	38	38	38	38	38	38
Livestock	L	Leona Gravel Aquifer | Medina County	321	321	321	321	321	321
Livestock	L	Local Surface Water Supply	519	519	519	519	519	519
Livestock	L	Trinity Aquifer | Medina County	164	164	164	164	164	164
Irrigation	L	Carrizo-Wilcox Aquifer | Medina County	1,602	1,525	1,442	1,373	1,308	1,256
Irrigation	L	Edwards-BFZ Aquifer | Medina County	13,156	13,156	13,156	13,156	13,156	13,156
Irrigation	L	Trinity Aquifer | Medina County	4,250	4,000	4,150	3,900	3,800	2,800

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DRAFT Region L 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
Medina County / San Antonio Basin WUG Total			**8,419**	**9,654**	**9,750**	**9,846**	**9,955**	**9,951**
Canyon Lake Water Service*		No water supply associated with WUG	0	0	0	0	0	0
Castroville	L	Edwards-BFZ Aquifer | Medina County	443	443	443	443	443	443
East Medina County SUD	L	Edwards-BFZ Aquifer | Medina County	48	48	48	48	48	48
La Coste	L	Edwards-BFZ Aquifer | Medina County	114	114	114	114	114	114
Medina River West WSC	L	Trinity Aquifer | Medina County	109	110	110	110	110	109
San Antonio Water System	L	Canyon Lake/Reservoir	16	68	68	68	68	64
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Bexar County	15	15	15	15	15	15
San Antonio Water System	G	Carrizo-Wilcox Aquifer | Burleson County	166	422	423	423	424	398
San Antonio Water System	L	Carrizo-Wilcox Aquifer | Gonzales County	14	12	11	11	11	11
San Antonio Water System	L	Edwards-BFZ Aquifer | Bexar County	528	1,339	1,342	1,344	1,346	1,263
San Antonio Water System	L	Trinity Aquifer | Bexar County	3	1	1	1	1	1
San Antonio Water System	L	Trinity Aquifer | Comal County	0	0	0	0	0	0
Ville Dalsace Water Supply	L	Edwards-BFZ Aquifer | Medina County	0	0	0	0	0	0
Yancey WSC	L	Edwards-BFZ Aquifer | Medina County	572	589	589	589	589	589
County-Other	L	Edwards-BFZ Aquifer | Medina County	75	75	75	75	75	75
County-Other	L	Trinity Aquifer | Medina County	200	250	300	350	400	450
Mining	L	Edwards-BFZ Aquifer | Medina County	283	315	338	362	398	438
Mining	L	Leona Gravel Aquifer | Medina County	180	200	220	240	260	280
Livestock	L	Leona Gravel Aquifer | Medina County	33	33	33	33	33	33
Livestock	L	Local Surface Water Supply	63	63	63	63	63	63

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DRAFT Region L 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	L	Trinity Aquifer | Medina County	27	27	27	27	27	27
Irrigation	L	Carrizo-Wilcox Aquifer | Medina County	5	5	5	5	5	5
Irrigation	L	Edwards-BFZ Aquifer | Medina County	3,931	3,931	3,931	3,931	3,931	3,931
Irrigation	L	Trinity Aquifer | Medina County	1,594	1,594	1,594	1,594	1,594	1,594
Refugio County WUG Total			**2,710**	**2,709**	**2,686**	**2,698**	**2,703**	**2,709**
Refugio County / San Antonio Basin WUG Total			**32**	**32**	**32**	**32**	**32**	**32**
County-Other	L	Gulf Coast Aquifer System | Refugio County	8	8	8	8	8	8
Livestock	L	Gulf Coast Aquifer System | Refugio County	12	12	12	12	12	12
Livestock	L	Local Surface Water Supply	12	12	12	12	12	12
Refugio County / San Antonio-Nueces Basin WUG Total			**2,678**	**2,677**	**2,654**	**2,666**	**2,671**	**2,677**
Refugio	L	Gulf Coast Aquifer System | Refugio County	568	571	562	569	572	574
Woodsboro	L	Gulf Coast Aquifer System | Refugio County	269	269	264	268	269	271
County-Other	L	Gulf Coast Aquifer System | Refugio County	356	352	343	344	345	347
Livestock	L	Gulf Coast Aquifer System | Refugio County	226	226	226	226	226	226
Livestock	L	Local Surface Water Supply	225	225	225	225	225	225
Irrigation	L	Gulf Coast Aquifer System | Refugio County	1,034	1,034	1,034	1,034	1,034	1,034
Uvalde County WUG Total			**30,589**	**30,638**	**30,702**	**30,756**	**30,817**	**30,877**
Uvalde County / Nueces Basin WUG Total			**30,589**	**30,638**	**30,702**	**30,756**	**30,817**	**30,877**
Concan WSC		No water supply associated with WUG	0	0	0	0	0	0
Knippa WSC	L	Austin Chalk Aquifer | Uvalde County	100	100	100	100	100	100
Knippa WSC	L	Edwards-BFZ Aquifer | Uvalde County	119	119	119	119	119	119

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DRAFT Region L 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
Knippa WSC	L	Trinity Aquifer | Uvalde County	109	109	109	109	109	109
Sabinal	L	Edwards-BFZ Aquifer | Uvalde County	297	297	297	297	297	297
Uvalde	L	Edwards-BFZ Aquifer | Uvalde County	1,951	1,951	1,951	1,951	1,951	1,951
Windmill WSC	L	Austin Chalk Aquifer | Uvalde County	480	480	480	480	480	480
County-Other	L	Buda Limestone Aquifer | Uvalde County	50	50	114	168	229	289
County-Other	L	Carrizo-Wilcox Aquifer | Uvalde County	799	828	828	828	828	828
County-Other	L	Edwards-BFZ Aquifer | Uvalde County	9	9	9	9	9	9
County-Other	L	Leona Gravel Aquifer | Uvalde County	0	20	20	20	20	20
Mining	L	Edwards-BFZ Aquifer | Uvalde County	90	90	90	90	90	90
Mining	L	Leona Gravel Aquifer | Uvalde County	2,469	2,724	2,845	3,087	3,372	3,682
Livestock	L	Edwards-BFZ Aquifer | Uvalde County	704	704	704	704	704	704
Livestock	L	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Uvalde County	501	495	519	519	519	519
Livestock	L	Leona Gravel Aquifer | Uvalde County	391	397	373	373	373	373
Livestock	L	Local Surface Water Supply	516	516	516	516	516	516
Livestock	L	Trinity Aquifer | Uvalde County	86	86	86	86	86	86
Irrigation	L	Austin Chalk Aquifer | Uvalde County	1,780	1,780	1,780	1,780	1,780	1,780
Irrigation	L	Edwards-BFZ Aquifer | Uvalde County	11,956	11,956	11,956	11,956	11,956	11,956
Irrigation	L	Edwards-Trinity-Plateau, Pecos Valley, and Trinity Aquifers | Uvalde County	1,474	1,474	1,474	1,474	1,474	1,474
Irrigation	L	Leona Gravel Aquifer | Uvalde County	5,388	5,133	5,012	4,770	4,485	4,175
Irrigation	L	Nueces Run-of-River	720	720	720	720	720	720

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DRAFT Region L 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	L	Trinity Aquifer | Uvalde County	600	600	600	600	600	600
Victoria County WUG Total			**39,053**	**39,055**	**39,045**	**39,037**	**39,031**	**39,026**
Victoria County / Guadalupe Basin WUG Total			**29,147**	**29,149**	**29,139**	**29,131**	**29,125**	**29,120**
Quail Creek MUD	L	Gulf Coast Aquifer System | Victoria County	1,235	1,235	1,235	1,235	1,235	1,235
Victoria	L	Canyon Lake/Reservoir	836	836	836	836	836	836
Victoria	L	Guadalupe Run-of-River	410	410	410	410	410	410
Victoria	L	Gulf Coast Aquifer System | Victoria County	4,264	4,264	4,264	4,264	4,264	4,264
County-Other	L	Gulf Coast Aquifer System | Victoria County	1,457	1,457	1,457	1,457	1,457	1,457
Manufacturing	L	Guadalupe Run-of-River	2	2	2	2	2	2
Manufacturing	L	Gulf Coast Aquifer System | Victoria County	470	470	470	470	470	470
Mining	L	Gulf Coast Aquifer System | Victoria County	36	38	28	20	14	9
Steam Electric Power	L	Guadalupe Run-of-River	12,500	12,500	12,500	12,500	12,500	12,500
Steam Electric Power	L	Gulf Coast Aquifer System | Victoria County	50	50	50	50	50	50
Livestock	L	Gulf Coast Aquifer System | Victoria County	177	177	177	177	177	177
Livestock	L	Local Surface Water Supply	312	312	312	312	312	312
Irrigation	L	Guadalupe Run-of-River	0	0	0	0	0	0
Irrigation	L	Gulf Coast Aquifer System | Victoria County	7,398	7,398	7,398	7,398	7,398	7,398
Victoria County / Lavaca Basin WUG Total			**9**	**9**	**9**	**9**	**9**	**9**
County-Other	L	Gulf Coast Aquifer System | Victoria County	4	4	4	4	4	4
Livestock	L	Gulf Coast Aquifer System | Victoria County	3	3	3	3	3	3
Livestock	L	Local Surface Water Supply	2	2	2	2	2	2
Victoria County / Lavaca-Guadalupe Basin WUG Total			**9,848**	**9,848**	**9,848**	**9,848**	**9,848**	**9,848**
Victoria	L	Canyon Lake/Reservoir	404	404	404	404	404	404

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DRAFT Region L 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
Victoria	L	Guadalupe Run-of-River	198	198	198	198	198	198
Victoria	L	Gulf Coast Aquifer System | Victoria County	2,063	2,063	2,063	2,063	2,063	2,063
Victoria County WCID 1	L	Gulf Coast Aquifer System | Victoria County	370	370	370	370	370	370
County-Other	L	Gulf Coast Aquifer System | Victoria County	288	288	288	288	288	288
Livestock	L	Gulf Coast Aquifer System | Victoria County	329	329	329	329	329	329
Livestock	L	Local Surface Water Supply	196	196	196	196	196	196
Irrigation	L	Gulf Coast Aquifer System | Victoria County	6,000	6,000	6,000	6,000	6,000	6,000
Victoria County / San Antonio Basin WUG Total			**49**	**49**	**49**	**49**	**49**	**49**
County-Other	L	Gulf Coast Aquifer System | Victoria County	4	4	4	4	4	4
Livestock	L	Gulf Coast Aquifer System | Victoria County	23	23	23	23	23	23
Livestock	L	Local Surface Water Supply	22	22	22	22	22	22
Wilson County WUG Total			**30,201**	**29,894**	**29,540**	**29,171**	**28,645**	**28,156**
Wilson County / Guadalupe Basin WUG Total			**250**	**251**	**251**	**252**	**251**	**251**
Sunko WSC	L	Carrizo-Wilcox Aquifer | Wilson County	8	9	9	10	9	9
County-Other	L	Carrizo-Wilcox Aquifer | Wilson County	125	125	125	125	125	125
Livestock	L	Carrizo-Wilcox Aquifer | Wilson County	5	5	5	5	5	5
Livestock	L	Local Surface Water Supply	93	93	93	93	93	93
Livestock	L	Queen City Aquifer | Wilson County	7	7	7	7	7	7
Livestock	L	Sparta Aquifer | Wilson County	7	7	7	7	7	7
Livestock	L	Yegua-Jackson Aquifer | Wilson County	5	5	5	5	5	5

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DRAFT Region L 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
Wilson County / Nueces Basin WUG Total			**3,786**	**3,742**	**3,698**	**3,657**	**3,470**	**3,153**
McCoy WSC*	L	Carrizo-Wilcox Aquifer | Atascosa County	91	96	99	103	105	106
McCoy WSC*	L	Queen City Aquifer | Atascosa County	5	5	5	5	5	5
Picosa WSC	L	Carrizo-Wilcox Aquifer | Wilson County	4	4	4	4	4	4
Three Oaks WSC		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Wilson County	95	95	95	95	95	95
Mining	L	Carrizo-Wilcox Aquifer | Wilson County	174	140	105	71	36	18
Livestock	L	Carrizo-Wilcox Aquifer | Wilson County	26	26	26	26	26	26
Livestock	L	Local Surface Water Supply	2	2	2	2	2	2
Livestock	L	Queen City Aquifer | Wilson County	5	5	5	5	5	5
Livestock	L	Sparta Aquifer | Wilson County	34	34	34	34	34	34
Livestock	L	Yegua-Jackson Aquifer | Wilson County	50	50	50	50	50	50
Irrigation	L	Carrizo-Wilcox Aquifer | Wilson County	3,145	3,145	3,145	3,145	3,000	2,700
Irrigation	L	Queen City Aquifer | Wilson County	127	112	100	89	80	80
Irrigation	L	Yegua-Jackson Aquifer | Wilson County	28	28	28	28	28	28
Wilson County / San Antonio Basin WUG Total			**26,165**	**25,901**	**25,591**	**25,262**	**24,924**	**24,752**
C Willow Water		No water supply associated with WUG	0	0	0	0	0	0
East Central SUD	L	Canyon Lake/Reservoir	136	148	142	130	121	112
East Central SUD	L	Carrizo-Wilcox Aquifer | Bexar County	1	1	1	1	1	1
East Central SUD	G	Carrizo-Wilcox Aquifer | Burleson County	1	1	1	1	1	1
East Central SUD	L	Carrizo-Wilcox Aquifer | Gonzales County	97	106	102	93	86	80

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DRAFT Region L 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
East Central SUD	L	Edwards-BFZ Aquifer | Bexar County	75	82	78	71	67	61
East Central SUD	L	Trinity Aquifer | Bexar County	1	1	1	1	1	1
El Oso WSC*	L	Carrizo-Wilcox Aquifer | Karnes County	17	20	25	32	36	40
El Oso WSC*	L	Gulf Coast Aquifer System | Karnes County	27	32	37	38	24	26
Floresville	L	Carrizo-Wilcox Aquifer | Wilson County	2,486	2,486	2,486	2,486	2,486	2,486
La Vernia	L	Canyon Lake/Reservoir	270	270	270	270	270	270
La Vernia	L	Carrizo-Wilcox Aquifer | Wilson County	699	699	699	699	699	699
La Vernia	L	Guadalupe Run-of-River	130	130	130	130	130	130
Oak Hills WSC	L	Carrizo-Wilcox Aquifer | Wilson County	453	453	453	453	453	453
Picosa WSC	L	Carrizo-Wilcox Aquifer | Wilson County	302	302	302	302	302	302
Poth	L	Carrizo-Wilcox Aquifer | Wilson County	630	630	630	630	630	630
S S WSC	L	Carrizo-Wilcox Aquifer | Wilson County	1,778	1,778	1,778	1,778	1,778	1,778
Springs Hill WSC		No water supply associated with WUG	0	0	0	0	0	0
Stockdale	L	Carrizo-Wilcox Aquifer | Wilson County	920	920	920	920	920	920
Sunko WSC	L	Carrizo-Wilcox Aquifer | Wilson County	1,453	1,463	1,470	1,476	1,481	1,483
Three Oaks WSC		No water supply associated with WUG	0	0	0	0	0	0
County-Other	L	Carrizo-Wilcox Aquifer | Wilson County	1,256	1,256	1,256	1,256	1,256	1,256
County-Other	L	San Antonio Run-of-River	0	0	0	0	0	0
Manufacturing	L	Carrizo-Wilcox Aquifer | Wilson County	40	43	43	43	43	43
Mining	L	Carrizo-Wilcox Aquifer | Wilson County	1,581	1,268	955	640	327	168
Livestock	L	Carrizo-Wilcox Aquifer | Wilson County	455	455	455	455	455	455
Livestock	L	Local Surface Water Supply	850	850	850	850	850	850

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DRAFT Region L 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	L	Queen City Aquifer | Wilson County	198	198	198	198	198	198
Livestock	L	Yegua-Jackson Aquifer | Wilson County	152	152	152	152	152	152
Irrigation	L	Carrizo-Wilcox Aquifer | Wilson County	11,000	11,000	11,000	11,000	11,000	11,000
Irrigation	L	San Antonio Run-of-River	1,073	1,073	1,073	1,073	1,073	1,073
Irrigation	L	Yegua-Jackson Aquifer | Wilson County	84	84	84	84	84	84
Zavala County WUG Total			**33,711**	**33,526**	**33,392**	**33,292**	**32,971**	**32,916**
Zavala County / Nueces Basin WUG Total			**33,711**	**33,526**	**33,392**	**33,292**	**32,971**	**32,916**
Batesville WSC	L	Carrizo-Wilcox Aquifer | Zavala County	211	228	245	264	283	300
Crystal City	L	Carrizo-Wilcox Aquifer | Zavala County	2,455	2,455	2,455	2,455	2,455	2,455
Loma Alta Chula Vista Water System	L	Carrizo-Wilcox Aquifer | Zavala County	235	259	280	303	324	344
Zavala County WCID 1	L	Carrizo-Wilcox Aquifer | Zavala County	1,340	1,340	1,340	1,340	1,340	1,340
County-Other	L	Carrizo-Wilcox Aquifer | Zavala County	360	360	360	360	360	360
Manufacturing	L	Carrizo-Wilcox Aquifer | Zavala County	603	766	766	766	766	766
Mining	L	Carrizo-Wilcox Aquifer | Zavala County	2,531	2,257	1,977	1,559	932	557
Livestock	L	Carrizo-Wilcox Aquifer | Zavala County	299	299	299	299	299	299
Livestock	L	Local Surface Water Supply	594	594	594	594	594	594
Irrigation	L	Carrizo-Wilcox Aquifer | Zavala County	25,083	24,968	25,076	25,352	25,618	25,901
Region L WUG Existing Water Supply Total			**1,037,763**	**1,043,377**	**1,047,358**	**1,045,646**	**1,046,094**	**1,046,217**

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DRAFT Region L 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**
Benton City WSC	Atascosa	Nueces	54	(108)	(259)	(357)	(468)	(594)
Charlotte	Atascosa	Nueces	890	909	921	916	911	906
El Oso WSC*	Atascosa	Nueces	(21)	(26)	(29)	(31)	(34)	(37)
Jourdanton	Atascosa	Nueces	1,220	1,165	1,102	1,040	969	889
Lytle	Atascosa	Nueces	(147)	(180)	(214)	(246)	(281)	(321)
McCoy WSC*	Atascosa	Nueces	1,051	1,012	962	906	845	774
Pleasanton	Atascosa	Nueces	2,368	2,139	1,881	1,601	1,296	963
Poteet	Atascosa	Nueces	480	515	540	533	527	521
San Antonio Water System	Atascosa	Nueces	(697)	(723)	(745)	(780)	(808)	(851)
County-Other	Atascosa	Nueces	1,206	1,317	1,422	1,632	1,832	2,016
Manufacturing	Atascosa	Nueces	2	39	37	35	33	31
Mining	Atascosa	Nueces	(3,782)	(4,126)	(4,533)	(5,539)	(6,537)	(2,144)
Steam Electric Power	Atascosa	Nueces	465	465	465	465	465	465
Livestock	Atascosa	Nueces	139	139	139	139	139	139
Irrigation	Atascosa	Nueces	7,871	7,823	7,783	7,754	7,735	7,735
Benton City WSC	Atascosa	San Antonio	(38)	(62)	(86)	(101)	(119)	(139)
Lytle	Atascosa	San Antonio	(13)	(14)	(14)	(15)	(16)	(17)
San Antonio Water System	Atascosa	San Antonio	(3)	(3)	(3)	(3)	(3)	(4)
Mining	Atascosa	San Antonio	(176)	(183)	(190)	(196)	(202)	(94)
Livestock	Atascosa	San Antonio	(3)	(3)	(3)	(3)	(3)	(3)
Irrigation	Atascosa	San Antonio	252	252	252	252	252	252
Atascosa Rural WSC	Bexar	Nueces	(75)	(92)	(107)	(120)	(135)	(153)
Lytle	Bexar	Nueces	(38)	(42)	(46)	(50)	(55)	(61)
San Antonio Water System	Bexar	Nueces	(1,067)	(1,179)	(1,252)	(1,308)	(1,352)	(1,419)
County-Other	Bexar	Nueces	2,319	2,373	2,357	2,355	3,051	3,686
Manufacturing	Bexar	Nueces	(141)	(147)	(152)	(158)	(163)	(169)
Livestock	Bexar	Nueces	123	123	123	123	123	123
Irrigation	Bexar	Nueces	3,202	3,202	3,202	3,202	3,202	3,202
Air Force Village II Inc	Bexar	San Antonio	(49)	(49)	(49)	(49)	(49)	(49)
Alamo Heights	Bexar	San Antonio	(488)	(483)	(483)	(483)	(483)	(483)

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DRAFT Region L 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**
Atascosa Rural WSC	Bexar	San Antonio	(1,126)	(1,372)	(1,599)	(1,797)	(2,024)	(2,283)
Bexar County WCID 10	Bexar	San Antonio	(377)	(541)	(691)	(825)	(978)	(1,154)
Converse	Bexar	San Antonio	(764)	(750)	(750)	(750)	(750)	(750)
East Central SUD	Bexar	San Antonio	(3,449)	(4,265)	(4,967)	(5,607)	(6,318)	(7,165)
Elmendorf	Bexar	San Antonio	(289)	(478)	(734)	(1,080)	(1,413)	(2,055)
Fair Oaks Ranch	Bexar	San Antonio	115	(181)	(373)	(494)	(575)	(636)
Fort Sam Houston	Bexar	San Antonio	(16,837)	(16,649)	(16,468)	(16,284)	(16,103)	(15,927)
Green Valley SUD	Bexar	San Antonio	951	848	755	677	601	521
Kirby	Bexar	San Antonio	(137)	(247)	(269)	(269)	(269)	(269)
La Coste	Bexar	San Antonio	(2)	(2)	(2)	(2)	(2)	(3)
Lackland Air Force Base	Bexar	San Antonio	(254)	(241)	(241)	(241)	(241)	(241)
Leon Valley	Bexar	San Antonio	(641)	(1,007)	(1,007)	(1,007)	(1,007)	(1,007)
Live Oak	Bexar	San Antonio	(532)	(523)	(523)	(523)	(523)	(523)
Lytle	Bexar	San Antonio	(2)	(2)	(3)	(3)	(3)	(3)
Oak Hills WSC	Bexar	San Antonio	(7)	(9)	(12)	(17)	(24)	(33)
Randolph Air Force Base	Bexar	San Antonio	114	114	114	114	114	114
San Antonio Water System	Bexar	San Antonio	18,655	(7,733)	(22,820)	(36,884)	(47,826)	(64,320)
Schertz	Bexar	San Antonio	(1,267)	(1,836)	(2,364)	(2,840)	(3,387)	(4,026)
Selma	Bexar	San Antonio	(525)	(1,281)	(1,679)	(2,013)	(2,408)	(2,872)
Shavano Park	Bexar	San Antonio	(133)	(206)	(271)	(330)	(397)	(474)
The Oaks WSC	Bexar	San Antonio	(57)	(85)	(110)	(133)	(159)	(188)
Universal City	Bexar	San Antonio	(24)	(159)	(209)	(209)	(209)	(209)
Water Services	Bexar	San Antonio	77	189	78	(20)	(29)	(51)
County-Other	Bexar	San Antonio	3,179	3,002	2,816	2,769	2,706	2,913
Manufacturing	Bexar	San Antonio	(1,871)	(2,193)	(2,528)	(2,875)	(3,236)	(3,610)
Mining	Bexar	San Antonio	186	374	461	680	1,077	1,651
Steam Electric Power	Bexar	San Antonio	(2,782)	(2,782)	(2,782)	(2,782)	(2,782)	(2,782)
Livestock	Bexar	San Antonio	90	90	90	90	90	90
Irrigation	Bexar	San Antonio	(3,027)	(3,027)	(3,027)	(3,027)	(3,027)	(3,027)
Creedmoor-Maha WSC*	Caldwell	Colorado	643	(153)	(959)	(1,763)	(2,575)	(3,393)
Polonia WSC*	Caldwell	Colorado	461	402	326	238	131	6
County-Other	Caldwell	Colorado	210	204	184	194	180	145
Livestock	Caldwell	Colorado	17	17	17	17	17	17

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DRAFT Region L 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**
Irrigation	Caldwell	Colorado	5	5	5	5	5	5
Aqua WSC*	Caldwell	Guadalupe	10	(22)	(51)	(80)	(111)	(147)
County Line SUD	Caldwell	Guadalupe	226	115	0	(153)	(260)	(339)
Creedmoor-Maha WSC*	Caldwell	Guadalupe	(122)	(220)	(318)	(417)	(515)	(615)
Goforth SUD*	Caldwell	Guadalupe	(55)	(80)	(99)	(111)	(124)	(141)
Gonzales County WSC	Caldwell	Guadalupe	47	58	66	73	75	80
Lockhart	Caldwell	Guadalupe	108	(150)	(419)	(689)	(959)	(1,228)
Luling	Caldwell	Guadalupe	309	292	273	245	216	186
Martindale WSC	Caldwell	Guadalupe	(163)	(288)	(333)	(382)	(436)	(494)
Maxwell SUD	Caldwell	Guadalupe	(73)	(187)	(329)	(485)	(721)	(699)
Polonia WSC*	Caldwell	Guadalupe	980	851	695	506	282	14
San Marcos	Caldwell	Guadalupe	(110)	(108)	(104)	(102)	(101)	(101)
Tri Community WSC	Caldwell	Guadalupe	325	318	313	307	298	289
County-Other	Caldwell	Guadalupe	1,166	1,145	1,079	1,114	1,065	948
Manufacturing	Caldwell	Guadalupe	(9)	(10)	(11)	(12)	(13)	(14)
Mining	Caldwell	Guadalupe	(240)	(263)	(286)	(310)	(334)	6
Livestock	Caldwell	Guadalupe	(60)	(60)	(60)	(60)	(60)	(60)
Irrigation	Caldwell	Guadalupe	117	117	117	117	117	117
Point Comfort	Calhoun	Colorado-Lavaca	123	126	129	131	135	138
County-Other	Calhoun	Colorado-Lavaca	91	90	65	31	87	84
Manufacturing	Calhoun	Colorado-Lavaca	(374)	(1,734)	(3,142)	(4,606)	(6,126)	(7,702)
Steam Electric Power	Calhoun	Colorado-Lavaca	(37)	(37)	(37)	(37)	(37)	(37)
Livestock	Calhoun	Colorado-Lavaca	77	77	77	77	77	77
Irrigation	Calhoun	Colorado-Lavaca	175	175	175	175	175	175
Guadalupe-Blanco River Authority	Calhoun	Lavaca-Guadalupe	(344)	(274)	(202)	(128)	(42)	52
Port Lavaca	Calhoun	Lavaca-Guadalupe	2,911	2,980	3,056	3,133	3,214	3,300
Port Oconnor Improvement District	Calhoun	Lavaca-Guadalupe	1,169	1,178	1,189	1,200	1,213	1,227
Seadrift	Calhoun	Lavaca-Guadalupe	109	137	167	199	233	267

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DRAFT Region L 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**
County-Other	Calhoun	Lavaca-Guadalupe	195	193	212	245	185	179
Manufacturing	Calhoun	Lavaca-Guadalupe	6,974	6,330	5,662	4,968	4,248	3,501
Livestock	Calhoun	Lavaca-Guadalupe	23	23	23	23	23	23
Irrigation	Calhoun	Lavaca-Guadalupe	(8,884)	(8,884)	(8,884)	(8,884)	(8,884)	(8,884)
County-Other	Calhoun	San Antonio-Nueces	0	(1)	0	0	(1)	(1)
Manufacturing	Calhoun	San Antonio-Nueces	(822)	(852)	(884)	(916)	(950)	(985)
3009 Water	Comal	Guadalupe	(387)	(494)	(638)	(821)	(1,031)	(1,271)
Canyon Lake Water Service*	Comal	Guadalupe	3,239	(156)	(2,351)	(3,786)	(9,166)	(15,093)
Clear Water Estates Water System	Comal	Guadalupe	(1,034)	(1,462)	(2,032)	(2,756)	(3,583)	(4,530)
Crystal Clear SUD	Comal	Guadalupe	(1,848)	(2,311)	(2,322)	(2,332)	(2,342)	(2,350)
Garden Ridge	Comal	Guadalupe	(632)	(910)	(1,191)	(1,514)	(1,897)	(2,352)
Green Valley SUD	Comal	Guadalupe	12	(50)	(139)	(249)	(384)	(535)
KT Water Development	Comal	Guadalupe	(486)	(973)	(1,624)	(2,448)	(3,391)	(4,471)
New Braunfels	Comal	Guadalupe	(4,634)	(13,143)	(24,689)	(39,295)	(56,048)	(75,248)
San Antonio Water System	Comal	Guadalupe	(7)	(24)	(36)	(45)	(51)	(56)
Schertz	Comal	Guadalupe	43	108	135	56	(54)	(220)
Wingert Water Systems	Comal	Guadalupe	(71)	(111)	(165)	(175)	(175)	(175)
County-Other	Comal	Guadalupe	(540)	(982)	(2,304)	(7,747)	(11,073)	(15,206)
Manufacturing	Comal	Guadalupe	1,119	1,086	1,051	1,015	978	940
Mining	Comal	Guadalupe	(7,616)	(9,732)	(11,866)	(13,987)	(15,854)	(16,156)
Livestock	Comal	Guadalupe	(16)	(16)	(16)	(16)	(16)	(16)
Irrigation	Comal	Guadalupe	96	96	96	96	96	96
3009 Water	Comal	San Antonio	(13)	(17)	(22)	(28)	(35)	(43)
Canyon Lake Water Service*	Comal	San Antonio	635	(138)	(622)	(926)	(2,065)	(3,331)
Fair Oaks Ranch	Comal	San Antonio	(367)	(461)	(508)	(524)	(529)	(528)
Garden Ridge	Comal	San Antonio	(514)	(708)	(903)	(1,128)	(1,396)	(1,712)

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DRAFT Region L 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**
Guadalupe-Blanco River Authority	Comal	San Antonio	(510)	(507)	(504)	(501)	(497)	(493)
San Antonio Water System	Comal	San Antonio	8	(3)	(12)	(18)	(22)	(27)
Selma	Comal	San Antonio	(97)	(172)	(271)	(396)	(540)	(704)
Water Services	Comal	San Antonio	225	48	93	129	70	14
County-Other	Comal	San Antonio	(252)	(402)	(706)	(1,923)	(2,688)	(3,633)
Mining	Comal	San Antonio	342	397	451	497	555	621
Livestock	Comal	San Antonio	(18)	(18)	(18)	(18)	(18)	(18)
Irrigation	Comal	San Antonio	(48)	(48)	(48)	(48)	(48)	(48)
Cuero	DeWitt	Guadalupe	(382)	(346)	(330)	(310)	(286)	(266)
Gonzales County WSC	DeWitt	Guadalupe	115	105	97	87	80	72
Yorktown	DeWitt	Guadalupe	83	85	84	90	94	98
County-Other	DeWitt	Guadalupe	320	324	327	326	324	322
Manufacturing	DeWitt	Guadalupe	148	149	155	161	162	161
Mining	DeWitt	Guadalupe	(727)	(756)	(136)	(377)	(964)	222
Livestock	DeWitt	Guadalupe	130	130	130	130	130	130
Irrigation	DeWitt	Guadalupe	(206)	(206)	(206)	(206)	314	314
Yoakum*	DeWitt	Lavaca	0	4	10	18	28	39
County-Other	DeWitt	Lavaca	39	40	40	40	40	39
Manufacturing	DeWitt	Lavaca	(77)	(84)	(88)	(90)	(99)	(109)
Mining	DeWitt	Lavaca	439	415	312	203	81	48
Livestock	DeWitt	Lavaca	30	30	30	30	30	30
Irrigation	DeWitt	Lavaca	139	158	242	328	447	503
County-Other	DeWitt	Lavaca-Guadalupe	(1)	(1)	(1)	(1)	(1)	(1)
Livestock	DeWitt	Lavaca-Guadalupe	(7)	(7)	(7)	(7)	(7)	(7)
Irrigation	DeWitt	Lavaca-Guadalupe	9	9	9	9	9	9
County-Other	DeWitt	San Antonio	(8)	(7)	(8)	(8)	(8)	(7)
Mining	DeWitt	San Antonio	40	24	(38)	(101)	(162)	23
Livestock	DeWitt	San Antonio	15	15	15	15	15	15
Irrigation	DeWitt	San Antonio	(41)	(41)	61	63	63	63
Asherton	Dimmit	Nueces	102	120	138	156	173	188
Big Wells	Dimmit	Nueces	56	65	71	79	86	95
Carrizo Hill WSC	Dimmit	Nueces	6	(2)	(16)	(32)	(66)	(143)
Carrizo Springs	Dimmit	Nueces	420	572	693	828	951	1,071

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DRAFT Region L 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**
County-Other	Dimmit	Nueces	108	136	165	196	240	316
Mining	Dimmit	Nueces	(4,798)	(4,804)	(4,808)	(4,813)	(4,817)	670
Livestock	Dimmit	Nueces	5	5	5	5	5	5
Irrigation	Dimmit	Nueces	(3,918)	(3,918)	(3,918)	(3,918)	(3,918)	(3,918)
County-Other	Dimmit	Rio Grande	0	0	1	1	2	3
Mining	Dimmit	Rio Grande	(653)	(653)	(653)	(653)	(653)	0
Livestock	Dimmit	Rio Grande	16	16	16	16	16	16
Irrigation	Dimmit	Rio Grande	(419)	(419)	(419)	(419)	(419)	(419)
Benton City WSC	Frio	Nueces	(39)	(85)	(119)	(123)	(127)	(131)
Dilley	Frio	Nueces	923	630	425	407	387	365
Moore WSC	Frio	Nueces	3,921	3,903	3,890	3,888	3,886	3,884
Pearsall	Frio	Nueces	(250)	(483)	(649)	(677)	(709)	(745)
County-Other	Frio	Nueces	78	329	500	484	466	444
Mining	Frio	Nueces	(4,785)	(4,753)	(4,825)	(5,018)	(5,384)	380
Steam Electric Power	Frio	Nueces	70	70	70	70	70	70
Livestock	Frio	Nueces	(82)	(82)	(82)	(82)	(82)	(82)
Irrigation	Frio	Nueces	7,616	7,616	5,778	4,004	2,284	470
County-Other	Goliad	Guadalupe	350	359	364	369	377	384
Mining	Goliad	Guadalupe	118	118	118	118	118	118
Steam Electric Power	Goliad	Guadalupe	21,029	21,029	21,029	21,029	21,029	21,029
Livestock	Goliad	Guadalupe	(4)	(4)	(4)	(4)	(4)	(4)
Irrigation	Goliad	Guadalupe	(15)	(15)	(15)	(15)	(15)	(15)
Goliad	Goliad	San Antonio	627	628	628	628	628	628
County-Other	Goliad	San Antonio	35	77	102	115	129	141
Livestock	Goliad	San Antonio	23	23	23	23	23	23
Irrigation	Goliad	San Antonio	(572)	(572)	(572)	(572)	(572)	(572)
County-Other	Goliad	San Antonio-Nueces	97	99	100	101	102	104
Livestock	Goliad	San Antonio-Nueces	33	33	33	33	33	33
Irrigation	Goliad	San Antonio-Nueces	300	300	300	300	300	300
Fayette WSC*	Gonzales	Guadalupe	(3)	(4)	(4)	(6)	(8)	(12)
Gonzales	Gonzales	Guadalupe	3,330	3,336	3,363	3,392	3,423	3,456

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DRAFT Region L 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**
Gonzales County WSC	Gonzales	Guadalupe	1,029	1,033	1,060	1,096	1,134	1,175
Luling	Gonzales	Guadalupe	(7)	(7)	(7)	(7)	(7)	(7)
Nixon	Gonzales	Guadalupe	3,278	3,272	3,278	3,285	3,293	3,301
Smiley	Gonzales	Guadalupe	350	351	352	354	356	358
Waelder	Gonzales	Guadalupe	460	461	463	467	470	473
County-Other	Gonzales	Guadalupe	652	654	658	662	668	673
Manufacturing	Gonzales	Guadalupe	(130)	30	(59)	(151)	(246)	(345)
Mining	Gonzales	Guadalupe	(4,533)	(4,957)	(5,386)	(5,817)	(6,247)	(563)
Livestock	Gonzales	Guadalupe	5,257	5,257	5,257	5,257	5,257	5,257
Irrigation	Gonzales	Guadalupe	1,131	1,131	1,131	1,131	1,131	1,131
County-Other	Gonzales	Lavaca	42	42	42	42	42	43
Mining	Gonzales	Lavaca	(459)	(461)	(464)	(466)	(469)	(42)
Livestock	Gonzales	Lavaca	177	177	177	177	177	177
Crystal Clear SUD	Guadalupe	Guadalupe	(3,482)	(7,109)	(8,728)	(10,748)	(13,077)	(15,759)
Gonzales County WSC	Guadalupe	Guadalupe	13	9	3	(6)	(15)	(28)
Green Valley SUD	Guadalupe	Guadalupe	3,454	2,979	2,430	1,843	1,168	(3)
Martindale WSC	Guadalupe	Guadalupe	(44)	(73)	(93)	(114)	(138)	(167)
New Braunfels	Guadalupe	Guadalupe	(4,047)	(7,363)	(10,997)	(14,840)	(19,204)	(24,180)
Schertz	Guadalupe	Guadalupe	(181)	(141)	(230)	(414)	(619)	(843)
Seguin	Guadalupe	Guadalupe	(3,340)	(3,908)	(3,814)	(3,537)	(3,229)	(2,942)
Springs Hill WSC	Guadalupe	Guadalupe	(178)	(1,877)	(2,895)	(3,967)	(5,183)	(6,565)
Tri Community WSC	Guadalupe	Guadalupe	5	6	6	5	5	5
Water Services	Guadalupe	Guadalupe	43	41	47	54	59	64
County-Other	Guadalupe	Guadalupe	380	275	145	10	(148)	(328)
Manufacturing	Guadalupe	Guadalupe	1,659	1,567	1,471	1,373	1,270	1,164
Mining	Guadalupe	Guadalupe	(428)	(358)	(291)	(204)	(107)	782
Steam Electric Power	Guadalupe	Guadalupe	3,928	3,928	3,928	3,928	3,928	3,928
Livestock	Guadalupe	Guadalupe	185	185	185	185	185	185
Irrigation	Guadalupe	Guadalupe	216	216	216	216	216	216
Cibolo	Guadalupe	San Antonio	639	110	(500)	(1,145)	(1,883)	(2,728)
East Central SUD	Guadalupe	San Antonio	(89)	(127)	(186)	(214)	(281)	(327)
Green Valley SUD	Guadalupe	San Antonio	363	(702)	(1,911)	(3,195)	(4,665)	(5,958)
Marion	Guadalupe	San Antonio	127	119	109	98	85	71
Schertz	Guadalupe	San Antonio	636	1,598	1,009	(740)	(2,675)	(4,742)
Selma	Guadalupe	San Antonio	(292)	(16)	(59)	(96)	(127)	(155)

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DRAFT Region L 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**
Springs Hill WSC	Guadalupe	San Antonio	205	18	(72)	(167)	(275)	(397)
Universal City	Guadalupe	San Antonio	(29)	(37)	(45)	(55)	(65)	(77)
County-Other	Guadalupe	San Antonio	123	131	136	142	143	141
Manufacturing	Guadalupe	San Antonio	(1,049)	(1,087)	(1,127)	(1,169)	(1,212)	(1,257)
Livestock	Guadalupe	San Antonio	(64)	(64)	(64)	(64)	(64)	(64)
Irrigation	Guadalupe	San Antonio	21	21	21	21	21	21
County Line SUD	Hays	Guadalupe	(1,991)	(5,113)	(8,881)	(11,743)	(13,360)	(14,230)
Creedmoor-Maha WSC*	Hays	Guadalupe	(6)	(6)	(6)	(6)	(6)	(6)
Crystal Clear SUD	Hays	Guadalupe	(627)	(1,385)	(1,543)	(1,520)	(1,492)	(1,459)
Goforth SUD*	Hays	Guadalupe	1,275	(1,348)	(4,844)	(9,586)	(15,017)	(21,235)
Kyle	Hays	Guadalupe	344	(2,525)	(5,709)	(7,159)	(7,637)	(7,988)
Maxwell SUD	Hays	Guadalupe	(827)	(1,397)	(2,184)	(3,277)	(4,720)	(5,428)
San Marcos	Hays	Guadalupe	(4,202)	(10,754)	(15,626)	(19,223)	(21,367)	(22,989)
South Buda WCID 1	Hays	Guadalupe	24	(369)	(889)	(1,592)	(2,397)	(3,319)
Texas State University	Hays	Guadalupe	(632)	(626)	(626)	(626)	(626)	(626)
Wimberley WSC	Hays	Guadalupe	567	307	(37)	(505)	(1,041)	(1,654)
County-Other*	Hays	Guadalupe	(1,003)	(1,533)	(1,917)	(7,013)	(10,858)	(20,912)
Manufacturing*	Hays	Guadalupe	10	8	6	4	2	0
Mining*	Hays	Guadalupe	41	34	28	20	10	0
Steam Electric Power	Hays	Guadalupe	(1,949)	(1,949)	(1,949)	(1,949)	(1,949)	(1,949)
Livestock*	Hays	Guadalupe	80	80	80	80	80	80
Irrigation*	Hays	Guadalupe	0	0	0	0	0	0
El Oso WSC*	Karnes	Guadalupe	3	3	3	2	1	0
County-Other	Karnes	Guadalupe	13	29	28	27	27	26
Mining	Karnes	Guadalupe	28	(9)	(47)	(84)	(122)	0
Livestock	Karnes	Guadalupe	0	0	0	0	0	0
Irrigation	Karnes	Guadalupe	264	264	264	264	264	264
El Oso WSC*	Karnes	Nueces	(18)	(19)	(20)	(21)	(27)	(28)
Three Oaks WSC	Karnes	Nueces	(4)	(5)	(5)	(5)	(5)	(6)
County-Other	Karnes	Nueces	7	7	7	6	6	6
Mining	Karnes	Nueces	(106)	(106)	(107)	(111)	(114)	26
Livestock	Karnes	Nueces	57	57	57	57	57	57
Irrigation	Karnes	Nueces	(36)	(36)	(36)	(36)	(36)	(36)
El Oso WSC*	Karnes	San Antonio	(490)	(526)	(550)	(603)	(772)	(832)
Falls City	Karnes	San Antonio	115	123	127	125	122	113

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DRAFT Region L 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**
Karnes City	Karnes	San Antonio	(135)	(139)	(149)	(168)	(188)	(198)
Kenedy	Karnes	San Antonio	497	424	350	267	170	60
Runge	Karnes	San Antonio	88	80	66	54	40	26
Sunko WSC	Karnes	San Antonio	40	28	20	11	5	2
Three Oaks WSC	Karnes	San Antonio	(17)	(18)	(19)	(20)	(22)	(22)
County-Other	Karnes	San Antonio	153	152	139	123	105	85
Manufacturing	Karnes	San Antonio	62	83	(33)	(78)	(81)	(84)
Mining	Karnes	San Antonio	(1,242)	(1,242)	(1,242)	(1,242)	(1,638)	(2)
Livestock	Karnes	San Antonio	923	923	649	650	659	659
Irrigation	Karnes	San Antonio	(100)	(100)	(659)	(659)	(659)	(659)
El Oso WSC*	Karnes	San Antonio-Nueces	(5)	(6)	(6)	(5)	(6)	(6)
County-Other	Karnes	San Antonio-Nueces	15	14	14	14	13	13
Livestock	Karnes	San Antonio-Nueces	(26)	(26)	(26)	(26)	(26)	(26)
Irrigation	Karnes	San Antonio-Nueces	(20)	(20)	(20)	(20)	(20)	(20)
County-Other	Kendall	Colorado	50	52	44	33	21	7
Livestock	Kendall	Colorado	9	9	9	9	9	9
Guadalupe-Blanco River Authority	Kendall	Guadalupe	(227)	(813)	(810)	(807)	(803)	(799)
Kendall County WCID 1	Kendall	Guadalupe	466	447	372	286	188	75
County-Other	Kendall	Guadalupe	1,187	1,159	1,016	687	272	(150)
Manufacturing	Kendall	Guadalupe	(45)	(47)	(49)	(51)	(53)	(55)
Livestock	Kendall	Guadalupe	(27)	(27)	(27)	(27)	(27)	(27)
Irrigation	Kendall	Guadalupe	152	152	152	152	152	152
Boerne	Kendall	San Antonio	790	(1,218)	(3,823)	(6,846)	(10,308)	(14,270)
Fair Oaks Ranch	Kendall	San Antonio	119	19	12	50	111	171
Guadalupe-Blanco River Authority	Kendall	San Antonio	(4)	(13)	(13)	(13)	(13)	(13)
Kendall West Utility	Kendall	San Antonio	163	77	(36)	(168)	(318)	(490)
Water Services	Kendall	San Antonio	(34)	(30)	(27)	(24)	(21)	(19)
County-Other	Kendall	San Antonio	93	127	(56)	(183)	(450)	(658)
Livestock	Kendall	San Antonio	25	25	25	25	25	25

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DRAFT Region L 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**
Irrigation	Kendall	San Antonio	9	9	9	9	9	9
Cotulla	La Salle	Nueces	1,331	1,351	1,353	1,346	1,325	1,285
Encinal WSC	La Salle	Nueces	81	73	61	46	26	(1)
County-Other	La Salle	Nueces	49	64	98	151	211	283
Mining	La Salle	Nueces	(4,867)	(4,867)	(4,867)	(4,867)	(4,867)	529
Livestock	La Salle	Nueces	97	97	97	97	97	97
Irrigation	La Salle	Nueces	139	120	100	75	52	29
Benton City WSC	Medina	Nueces	241	228	212	195	175	148
Devine	Medina	Nueces	221	216	208	197	184	171
East Medina County SUD	Medina	Nueces	(270)	(319)	(358)	(383)	(410)	(443)
Hondo	Medina	Nueces	(599)	(508)	(460)	(471)	(483)	(494)
Lytle	Medina	Nueces	(29)	(34)	(38)	(41)	(46)	(51)
Medina County WCID 2	Medina	Nueces	484	487	489	488	488	487
Medina River West WSC	Medina	Nueces	229	225	221	219	217	215
Natalia	Medina	Nueces	(4)	2	(7)	(12)	(13)	(8)
Ville Dalsace Water Supply	Medina	Nueces	(57)	(62)	(66)	(68)	(70)	(73)
West Medina WSC	Medina	Nueces	(13)	(28)	(31)	(36)	(44)	(31)
Yancey WSC	Medina	Nueces	(33)	(53)	(55)	(57)	(59)	(61)
County-Other	Medina	Nueces	1,171	1,212	1,278	1,398	1,495	1,526
Manufacturing	Medina	Nueces	1,528	1,527	1,526	1,525	1,524	1,523
Mining	Medina	Nueces	(2,280)	(2,475)	(2,650)	(2,797)	(2,876)	(2,896)
Livestock	Medina	Nueces	154	154	154	154	154	154
Irrigation	Medina	Nueces	(28,183)	(28,510)	(28,443)	(28,762)	(28,927)	(29,979)
Canyon Lake Water Service*	Medina	San Antonio	(48)	(68)	(76)	(79)	(80)	(81)
Castroville	Medina	San Antonio	(722)	(823)	(975)	(1,188)	(1,383)	(1,511)
East Medina County SUD	Medina	San Antonio	(18)	(22)	(25)	(27)	(30)	(32)
La Coste	Medina	San Antonio	(17)	(14)	(13)	(15)	(17)	(18)
Medina River West WSC	Medina	San Antonio	71	69	68	67	65	63
San Antonio Water System	Medina	San Antonio	(147)	(646)	(803)	(925)	(1,020)	(1,087)
Ville Dalsace Water Supply	Medina	San Antonio	(54)	(59)	(62)	(64)	(66)	(69)
Yancey WSC	Medina	San Antonio	(60)	(77)	(106)	(123)	(144)	(168)

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DRAFT Region L 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**
County-Other	Medina	San Antonio	(20)	(21)	18	104	179	213
Mining	Medina	San Antonio	(36)	(29)	(27)	(19)	5	39
Livestock	Medina	San Antonio	(47)	(47)	(47)	(47)	(47)	(47)
Irrigation	Medina	San Antonio	(2,088)	(2,088)	(2,088)	(2,088)	(2,088)	(2,088)
County-Other	Refugio	San Antonio	1	2	2	2	3	3
Livestock	Refugio	San Antonio	(17)	(17)	(17)	(17)	(17)	(17)
Refugio	Refugio	San Antonio-Nueces	94	104	97	101	91	64
Woodsboro	Refugio	San Antonio-Nueces	65	78	86	103	120	140
County-Other	Refugio	San Antonio-Nueces	58	72	80	95	115	146
Livestock	Refugio	San Antonio-Nueces	31	31	31	31	31	31
Irrigation	Refugio	San Antonio-Nueces	167	167	167	167	167	167
Concan WSC	Uvalde	Nueces	(79)	(77)	(74)	(71)	(68)	(64)
Knippa WSC	Uvalde	Nueces	227	229	233	236	241	246
Sabinal	Uvalde	Nueces	(7)	1	11	22	35	49
Uvalde	Uvalde	Nueces	(1,925)	(1,843)	(1,738)	(1,619)	(1,496)	(1,372)
Windmill WSC	Uvalde	Nueces	153	182	211	240	273	311
County-Other	Uvalde	Nueces	225	278	351	416	489	563
Mining	Uvalde	Nueces	(645)	(609)	(715)	(689)	(612)	(499)
Livestock	Uvalde	Nueces	149	149	149	149	149	149
Irrigation	Uvalde	Nueces	(30,785)	(31,040)	(31,161)	(31,403)	(31,688)	(31,998)
Quail Creek MUD	Victoria	Guadalupe	1,087	1,083	1,082	1,082	1,083	1,084
Victoria	Victoria	Guadalupe	(5,552)	(5,690)	(5,727)	(5,677)	(5,620)	(5,553)
County-Other	Victoria	Guadalupe	(264)	(324)	(344)	(334)	(324)	(312)
Manufacturing	Victoria	Guadalupe	(38,960)	(40,419)	(41,932)	(43,501)	(45,128)	(46,815)
Mining	Victoria	Guadalupe	(354)	(371)	(398)	(419)	(437)	(451)
Steam Electric Power	Victoria	Guadalupe	9,352	9,352	9,352	9,352	9,352	9,352
Livestock	Victoria	Guadalupe	34	34	34	34	34	34
Irrigation	Victoria	Guadalupe	6,067	6,067	6,067	6,067	6,067	6,067
County-Other	Victoria	Lavaca	(3)	(3)	(3)	(3)	(3)	(3)

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

DRAFT Region L 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	Victoria	Lavaca	2	2	2	2	2	2
Victoria	Victoria	Lavaca-Guadalupe	(2,697)	(2,765)	(2,783)	(2,758)	(2,730)	(2,698)
Victoria County WCID 1	Victoria	Lavaca-Guadalupe	191	187	186	186	186	186
County-Other	Victoria	Lavaca-Guadalupe	(747)	(783)	(794)	(789)	(783)	(775)
Livestock	Victoria	Lavaca-Guadalupe	41	41	41	41	41	41
Irrigation	Victoria	Lavaca-Guadalupe	(3,761)	(3,761)	(3,761)	(3,761)	(3,761)	(3,761)
County-Other	Victoria	San Antonio	(3)	(4)	(4)	(4)	(4)	(4)
Livestock	Victoria	San Antonio	8	8	8	8	8	8
Sunko WSC	Wilson	Guadalupe	5	5	5	6	4	4
County-Other	Wilson	Guadalupe	93	94	95	98	101	104
Livestock	Wilson	Guadalupe	46	46	46	46	46	46
McCoy WSC*	Wilson	Nueces	48	48	45	44	41	36
Picosa WSC	Wilson	Nueces	1	1	0	0	(1)	(1)
Three Oaks WSC	Wilson	Nueces	(87)	(97)	(106)	(114)	(124)	(135)
County-Other	Wilson	Nueces	93	93	93	93	93	94
Mining	Wilson	Nueces	(1,179)	(1,216)	(1,254)	(1,290)	(1,327)	(12)
Livestock	Wilson	Nueces	(88)	(88)	(88)	(88)	(88)	(88)
Irrigation	Wilson	Nueces	(2,501)	(2,516)	(2,528)	(2,539)	(2,693)	(2,993)
C Willow Water	Wilson	San Antonio	(119)	(132)	(145)	(156)	(169)	(184)
East Central SUD	Wilson	San Antonio	123	131	97	51	18	(3)
El Oso WSC*	Wilson	San Antonio	10	11	13	15	(3)	(5)
Floresville	Wilson	San Antonio	1,119	1,051	977	912	837	752
La Vernia	Wilson	San Antonio	449	381	311	250	179	98
Oak Hills WSC	Wilson	San Antonio	(524)	(669)	(842)	(1,041)	(1,270)	(1,535)
Picosa WSC	Wilson	San Antonio	(25)	(73)	(122)	(165)	(214)	(272)
Poth	Wilson	San Antonio	389	393	396	399	402	405
S S WSC	Wilson	San Antonio	(578)	(928)	(1,282)	(1,595)	(1,959)	(2,390)
Springs Hill WSC	Wilson	San Antonio	(26)	(38)	(50)	(60)	(72)	(85)
Stockdale	Wilson	San Antonio	619	617	613	610	607	603
Sunko WSC	Wilson	San Antonio	822	766	705	650	586	509
Three Oaks WSC	Wilson	San Antonio	(247)	(273)	(300)	(323)	(350)	(381)
County-Other	Wilson	San Antonio	603	619	646	700	763	836
Manufacturing	Wilson	San Antonio	(22)	(21)	(23)	(25)	(28)	(31)
Mining	Wilson	San Antonio	(1,746)	(2,066)	(2,384)	(2,706)	(3,024)	93

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DRAFT Region L 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	Wilson	San Antonio	222	222	222	222	222	222
Irrigation	Wilson	San Antonio	4,640	4,640	4,640	4,640	4,640	4,640
Batesville WSC	Zavala	Nueces	68	89	112	137	162	186
Crystal City	Zavala	Nueces	1,231	1,266	1,314	1,363	1,415	1,468
Loma Alta Chula Vista Water System	Zavala	Nueces	133	159	184	212	237	262
Zavala County WCID 1	Zavala	Nueces	997	1,007	1,021	1,035	1,050	1,066
County-Other	Zavala	Nueces	174	180	187	195	203	212
Manufacturing	Zavala	Nueces	(129)	7	(21)	(50)	(80)	(111)
Mining	Zavala	Nueces	(2,401)	(2,675)	(2,955)	(3,373)	(4,000)	556
Livestock	Zavala	Nueces	38	38	38	38	38	38
Irrigation	Zavala	Nueces	(17,491)	(17,606)	(17,498)	(17,222)	(16,956)	(16,673)

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DRAFT Region L 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 (%)
Atascosa County| Municipal WUG Type						
Existing WUG supply total	14,475	14,341	-0.9%	15,049	14,885	-1.1%
Projected demand total	9,223	7,991	-13.4%	13,077	10,234	-21.7%
Water supply needs total**	878	919	4.7%	1,517	1,729	14.0%
Atascosa County| Manufacturing WUG Type						
Existing WUG supply total	97	58	-40.2%	97	97	0.0%
Projected demand total	97	56	-42.3%	97	64	-34.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Atascosa County| Mining WUG Type						
Existing WUG supply total	4,043	4,081	0.9%	2,043	2,478	21.3%
Projected demand total	4,043	8,039	98.8%	2,043	9,217	351.2%
Water supply needs total**	0	3,958	100.0%	0	6,739	100.0%
Atascosa County| Steam Electric Power WUG Type						
Existing WUG supply total	8,427	8,427	0.0%	8,427	8,427	0.0%
Projected demand total	8,427	7,962	-5.5%	8,427	7,962	-5.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Atascosa County| Livestock WUG Type						
Existing WUG supply total	1,673	1,673	0.0%	1,673	1,673	0.0%
Projected demand total	1,673	1,537	-8.1%	1,673	1,537	-8.1%
Water supply needs total**	0	3	100.0%	0	3	100.0%
Atascosa County| Irrigation WUG Type						
Existing WUG supply total	33,516	33,564	0.1%	33,428	33,428	0.0%
Projected demand total	29,946	25,441	-15.0%	29,946	25,441	-15.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Bexar County| Municipal WUG Type						
Existing WUG supply total	274,487	311,883	13.6%	284,477	317,397	11.6%

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DRAFT Region L 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	289,932	314,613	8.5%	386,599	397,644	2.9%
Water supply needs total**	20,916	28,140	34.5%	106,399	86,719	-18.5%
Bexar County| Manufacturing WUG Type						
Existing WUG supply total	6,861	6,861	0.0%	6,861	6,861	0.0%
Projected demand total	6,776	8,873	30.9%	6,776	10,260	51.4%
Water supply needs total**	0	2,012	100.0%	0	3,399	100.0%
Bexar County| Mining WUG Type						
Existing WUG supply total	8,740	7,820	-10.5%	12,502	11,399	-8.8%
Projected demand total	8,740	7,634	-12.7%	12,502	10,322	-17.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Bexar County| Steam Electric Power WUG Type						
Existing WUG supply total	49,511	49,511	0.0%	49,511	49,511	0.0%
Projected demand total	52,293	52,293	0.0%	52,293	52,293	0.0%
Water supply needs total**	2,782	2,782	0.0%	2,782	2,782	0.0%
Bexar County| Livestock WUG Type						
Existing WUG supply total	1,201	1,201	0.0%	1,201	1,201	0.0%
Projected demand total	1,201	988	-17.7%	1,201	988	-17.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Bexar County| Irrigation WUG Type						
Existing WUG supply total	11,926	11,926	0.0%	11,926	11,926	0.0%
Projected demand total	11,926	11,751	-1.5%	11,926	11,751	-1.5%
Water supply needs total**	3,318	3,027	-8.8%	3,318	3,027	-8.8%
Caldwell County| Municipal WUG Type						
Existing WUG supply total	11,105	12,104	9.0%	11,051	12,003	8.6%
Projected demand total	7,072	8,142	15.1%	11,811	15,558	31.7%
Water supply needs total**	290	523	80.3%	3,060	5,802	89.6%

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DRAFT Region L 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 (%)
Caldwell County| Manufacturing WUG Type						
Existing WUG supply total	5	5	0.0%	5	5	0.0%
Projected demand total	5	14	180.0%	5	18	260.0%
Water supply needs total**	0	9	100.0%	0	13	100.0%
Caldwell County| Mining WUG Type						
Existing WUG supply total	100	112	12.0%	9	18	100.0%
Projected demand total	98	352	259.2%	9	352	3811.1%
Water supply needs total**	0	240	100.0%	0	334	100.0%
Caldwell County| Livestock WUG Type						
Existing WUG supply total	788	788	0.0%	788	788	0.0%
Projected demand total	788	831	5.5%	788	831	5.5%
Water supply needs total**	0	60	100.0%	0	60	100.0%
Caldwell County| Irrigation WUG Type						
Existing WUG supply total	802	802	0.0%	802	802	0.0%
Projected demand total	802	680	-15.2%	802	680	-15.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Calhoun County| Municipal WUG Type						
Existing WUG supply total	6,923	6,882	-0.6%	7,131	7,074	-0.8%
Projected demand total	3,271	2,628	-19.7%	4,384	2,050	-53.2%
Water supply needs total**	0	344	100.0%	119	43	-63.9%
Calhoun County| Manufacturing WUG Type						
Existing WUG supply total	60,351	60,365	0.0%	60,275	60,297	0.0%
Projected demand total	52,479	54,587	4.0%	52,479	63,125	20.3%
Water supply needs total**	0	1,196	100.0%	0	7,076	100.0%
Calhoun County| Mining WUG Type						
Existing WUG supply total	55	0	-100.0%	12	0	-100.0%

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DRAFT Region L 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	55	0	-100.0%	12	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Calhoun County| Steam Electric Power WUG Type						
Projected demand total	0	37	100.0%	0	37	100.0%
Water supply needs total**	0	37	100.0%	0	37	100.0%
Calhoun County| Livestock WUG Type						
Existing WUG supply total	400	382	-4.5%	400	382	-4.5%
Projected demand total	290	282	-2.8%	290	282	-2.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Calhoun County| Irrigation WUG Type						
Existing WUG supply total	1,751	1,751	0.0%	1,751	1,751	0.0%
Projected demand total	15,839	10,460	-34.0%	15,839	10,460	-34.0%
Water supply needs total**	14,088	8,884	-36.9%	14,088	8,884	-36.9%
Comal County| Municipal WUG Type						
Existing WUG supply total	36,662	37,366	1.9%	36,928	37,809	2.4%
Projected demand total	34,742	44,596	28.4%	62,682	134,706	114.9%
Water supply needs total**	6,419	11,392	77.5%	27,302	96,967	255.2%
Comal County| Manufacturing WUG Type						
Existing WUG supply total	2,020	2,020	0.0%	2,020	2,020	0.0%
Projected demand total	5,788	901	-84.4%	5,788	1,042	-82.0%
Water supply needs total**	3,768	0	-100.0%	3,768	0	-100.0%
Comal County| Mining WUG Type						
Existing WUG supply total	4,795	4,739	-1.2%	6,779	5,133	-24.3%
Projected demand total	9,996	12,013	20.2%	15,628	20,432	30.7%
Water supply needs total**	5,201	7,616	46.4%	8,849	15,854	79.2%
Comal County| Livestock WUG Type						

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DRAFT Region L 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 (%)
Existing WUG supply total	237	237	0.0%	237	237	0.0%
Projected demand total	237	271	14.3%	237	271	14.3%
Water supply needs total**	0	34	100.0%	0	34	100.0%
Comal County| Irrigation WUG Type						
Existing WUG supply total	639	639	0.0%	639	639	0.0%
Projected demand total	428	591	38.1%	428	591	38.1%
Water supply needs total**	33	48	45.5%	33	48	45.5%
DeWitt County| Municipal WUG Type						
Existing WUG supply total	4,112	4,048	-1.6%	4,122	4,071	-1.2%
Projected demand total	3,995	3,882	-2.8%	4,052	3,800	-6.2%
Water supply needs total**	0	391	100.0%	0	295	100.0%
DeWitt County| Manufacturing WUG Type						
Existing WUG supply total	322	319	-0.9%	350	350	0.0%
Projected demand total	344	248	-27.9%	344	287	-16.6%
Water supply needs total**	22	77	250.0%	0	99	100.0%
DeWitt County| Mining WUG Type						
Existing WUG supply total	1,378	1,447	5.0%	301	650	115.9%
Projected demand total	2,973	1,695	-43.0%	301	1,695	463.1%
Water supply needs total**	1,595	727	-54.4%	0	1,126	100.0%
DeWitt County| Livestock WUG Type						
Existing WUG supply total	1,904	1,904	0.0%	1,904	1,904	0.0%
Projected demand total	1,904	1,736	-8.8%	1,904	1,736	-8.8%
Water supply needs total**	0	7	100.0%	0	7	100.0%
DeWitt County| Irrigation WUG Type						
Existing WUG supply total	510	491	-3.7%	1,479	1,423	-3.8%
Projected demand total	757	590	-22.1%	757	590	-22.1%

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DRAFT Region L 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 (%)
Water supply needs total**	318	247	-22.3%	0	0	0.0%
Dimmit County| Municipal WUG Type						
Existing WUG supply total	2,579	2,463	-4.5%	2,883	2,821	-2.2%
Projected demand total	2,542	1,771	-30.3%	2,883	1,435	-50.2%
Water supply needs total**	0	0	0.0%	0	66	100.0%
Dimmit County| Mining WUG Type						
Existing WUG supply total	689	695	0.9%	673	676	0.4%
Projected demand total	5,001	6,146	22.9%	612	6,146	904.2%
Water supply needs total**	4,312	5,451	26.4%	81	5,470	6653.1%
Dimmit County| Livestock WUG Type						
Existing WUG supply total	388	388	0.0%	388	388	0.0%
Projected demand total	388	367	-5.4%	388	367	-5.4%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Dimmit County| Irrigation WUG Type						
Existing WUG supply total	352	352	0.0%	352	352	0.0%
Projected demand total	5,601	4,689	-16.3%	5,601	4,689	-16.3%
Water supply needs total**	5,249	4,337	-17.4%	5,249	4,337	-17.4%
Frio County| Municipal WUG Type						
Existing WUG supply total	8,240	8,245	0.1%	8,229	8,231	0.0%
Projected demand total	3,991	3,612	-9.5%	5,047	4,328	-14.2%
Water supply needs total**	771	289	-62.5%	1,351	836	-38.1%
Frio County| Mining WUG Type						
Existing WUG supply total	1,250	1,217	-2.6%	390	620	59.0%
Projected demand total	1,250	6,002	380.2%	390	6,004	1439.5%
Water supply needs total**	0	4,785	100.0%	0	5,384	100.0%
Frio County| Steam Electric Power WUG Type						

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DRAFT Region L 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 (%)
Existing WUG supply total	124	124	0.0%	124	124	0.0%
Projected demand total	124	54	-56.5%	124	54	-56.5%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Frio County| Livestock WUG Type						
Existing WUG supply total	882	882	0.0%	882	882	0.0%
Projected demand total	882	964	9.3%	882	964	9.3%
Water supply needs total**	0	82	100.0%	0	82	100.0%
Frio County| Irrigation WUG Type						
Existing WUG supply total	78,183	78,183	0.0%	71,037	72,851	2.6%
Projected demand total	78,183	70,567	-9.7%	78,183	70,567	-9.7%
Water supply needs total**	0	0	0.0%	7,146	0	-100.0%
Goliad County| Municipal WUG Type						
Existing WUG supply total	2,060	2,028	-1.6%	2,101	2,096	-0.2%
Projected demand total	1,324	919	-30.6%	1,466	860	-41.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Goliad County| Manufacturing WUG Type						
Existing WUG supply total	4	0	-100.0%	4	0	-100.0%
Projected demand total	1	0	-100.0%	1	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Goliad County| Mining WUG Type						
Existing WUG supply total	450	126	-72.0%	450	126	-72.0%
Projected demand total	450	8	-98.2%	450	8	-98.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Goliad County| Steam Electric Power WUG Type						
Existing WUG supply total	26,023	26,023	0.0%	26,023	26,023	0.0%
Projected demand total	1,863	4,994	168.1%	1,863	4,994	168.1%

*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 L 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 (%)
Water supply needs total**	0	0	0.0%	0	0	0.0%
Goliad County| Livestock WUG Type						
Existing WUG supply total	841	841	0.0%	841	841	0.0%
Projected demand total	841	789	-6.2%	841	789	-6.2%
Water supply needs total**	0	4	100.0%	0	4	100.0%
Goliad County| Irrigation WUG Type						
Existing WUG supply total	2,839	2,839	0.0%	2,839	2,839	0.0%
Projected demand total	2,839	3,126	10.1%	2,839	3,126	10.1%
Water supply needs total**	388	587	51.3%	388	587	51.3%
Gonzales County| Municipal WUG Type						
Existing WUG supply total	13,633	13,647	0.1%	13,641	13,644	0.0%
Projected demand total	5,292	4,516	-14.7%	7,209	4,273	-40.7%
Water supply needs total**	0	10	100.0%	0	15	100.0%
Gonzales County| Manufacturing WUG Type						
Existing WUG supply total	2,427	2,181	-10.1%	2,427	2,427	0.0%
Projected demand total	2,427	2,311	-4.8%	2,427	2,673	10.1%
Water supply needs total**	0	130	100.0%	0	246	100.0%
Gonzales County| Mining WUG Type						
Existing WUG supply total	1,207	1,600	32.6%	1	24	2300.0%
Projected demand total	1,207	6,592	446.1%	1	6,740	673900.0%
Water supply needs total**	0	4,992	100.0%	0	6,716	100.0%
Gonzales County| Livestock WUG Type						
Existing WUG supply total	9,572	9,572	0.0%	9,572	9,572	0.0%
Projected demand total	9,572	4,138	-56.8%	9,572	4,138	-56.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Gonzales County| Irrigation WUG Type						

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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 L 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 (%)
Existing WUG supply total	5,609	5,609	0.0%	5,609	5,609	0.0%
Projected demand total	5,127	4,478	-12.7%	5,127	4,478	-12.7%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Guadalupe County| Municipal WUG Type						
Existing WUG supply total	37,416	34,846	-6.9%	38,504	38,492	0.0%
Projected demand total	30,784	40,540	31.7%	50,420	88,616	75.8%
Water supply needs total**	92	11,682	12597.8%	14,377	51,584	258.8%
Guadalupe County| Manufacturing WUG Type						
Existing WUG supply total	4,136	4,136	0.0%	4,136	4,136	0.0%
Projected demand total	4,523	3,526	-22.0%	4,523	4,078	-9.8%
Water supply needs total**	388	1,049	170.4%	388	1,212	212.4%
Guadalupe County| Mining WUG Type						
Existing WUG supply total	550	342	-37.8%	1,043	663	-36.4%
Projected demand total	550	770	40.0%	1,043	770	-26.2%
Water supply needs total**	0	428	100.0%	0	107	100.0%
Guadalupe County| Steam Electric Power WUG Type						
Existing WUG supply total	13,320	13,320	0.0%	13,320	13,320	0.0%
Projected demand total	9,405	9,392	-0.1%	9,405	9,392	-0.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Guadalupe County| Livestock WUG Type						
Existing WUG supply total	1,300	1,300	0.0%	1,300	1,300	0.0%
Projected demand total	1,300	1,179	-9.3%	1,300	1,179	-9.3%
Water supply needs total**	0	64	100.0%	0	64	100.0%
Guadalupe County| Irrigation WUG Type						
Existing WUG supply total	1,179	1,179	0.0%	1,179	1,179	0.0%
Projected demand total	1,136	942	-17.1%	1,136	942	-17.1%

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DRAFT Region L 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 (%)
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Municipal WUG Type						
Existing WUG supply total	31,099	31,233	0.4%	35,922	34,853	-3.0%
Projected demand total	29,294	38,311	30.8%	65,003	113,374	74.4%
Water supply needs total**	1,654	9,288	461.5%	29,359	78,521	167.5%
Hays County| Manufacturing WUG Type						
Existing WUG supply total	550	67	-87.8%	550	67	-87.8%
Projected demand total	56	57	1.8%	56	65	16.1%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Mining WUG Type						
Existing WUG supply total	0	71	100.0%	0	71	100.0%
Projected demand total	0	30	100.0%	0	61	100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Steam Electric Power WUG Type						
Projected demand total	0	1,949	100.0%	0	1,949	100.0%
Water supply needs total**	0	1,949	100.0%	0	1,949	100.0%
Hays County| Livestock WUG Type						
Existing WUG supply total	2,792	2,792	0.0%	2,792	2,792	0.0%
Projected demand total	2,792	2,712	-2.9%	2,792	2,712	-2.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Hays County| Irrigation WUG Type						
Existing WUG supply total	506	130	-74.3%	506	130	-74.3%
Projected demand total	157	130	-17.2%	157	130	-17.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Karnes County| Municipal WUG Type						
Existing WUG supply total	3,861	3,822	-1.0%	3,768	3,753	-0.4%

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DRAFT Region L 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	3,636	3,560	-2.1%	3,563	4,284	20.2%
Water supply needs total**	352	669	90.1%	395	1,020	158.2%
Karnes County| Manufacturing WUG Type						
Existing WUG supply total	155	131	-15.5%	0	0	0.0%
Projected demand total	155	69	-55.5%	155	81	-47.7%
Water supply needs total**	0	0	0.0%	155	81	-47.7%
Karnes County| Mining WUG Type						
Existing WUG supply total	563	599	6.4%	28	45	60.7%
Projected demand total	1,919	1,919	0.0%	2	1,919	95850.0%
Water supply needs total**	1,356	1,348	-0.6%	1	1,874	187300.0%
Karnes County| Livestock WUG Type						
Existing WUG supply total	1,908	1,908	0.0%	1,644	1,644	0.0%
Projected demand total	1,086	954	-12.2%	1,086	954	-12.2%
Water supply needs total**	0	26	100.0%	0	26	100.0%
Karnes County| Irrigation WUG Type						
Existing WUG supply total	1,023	1,023	0.0%	464	464	0.0%
Projected demand total	1,023	915	-10.6%	1,023	915	-10.6%
Water supply needs total**	268	156	-41.8%	827	715	-13.5%
Kendall County| Municipal WUG Type						
Existing WUG supply total	11,689	11,992	2.6%	12,550	12,661	0.9%
Projected demand total	8,369	9,389	12.2%	15,308	23,982	56.7%
Water supply needs total**	282	265	-6.0%	4,389	11,913	171.4%
Kendall County| Manufacturing WUG Type						
Existing WUG supply total	1	1	0.0%	1	1	0.0%
Projected demand total	1	46	4500.0%	1	54	5300.0%
Water supply needs total**	0	45	100.0%	0	53	100.0%

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DRAFT Region L 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 (%)
Kendall County| Livestock WUG Type						
Existing WUG supply total	395	395	0.0%	395	395	0.0%
Projected demand total	395	388	-1.8%	395	388	-1.8%
Water supply needs total**	0	27	100.0%	0	27	100.0%
Kendall County| Irrigation WUG Type						
Existing WUG supply total	622	622	0.0%	622	622	0.0%
Projected demand total	606	461	-23.9%	606	461	-23.9%
Water supply needs total**	1	0	-100.0%	1	0	-100.0%
La Salle County| Municipal WUG Type						
Existing WUG supply total	2,997	2,978	-0.6%	3,088	3,065	-0.7%
Projected demand total	1,942	1,517	-21.9%	2,518	1,503	-40.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
La Salle County| Mining WUG Type						
Existing WUG supply total	529	529	0.0%	529	529	0.0%
Projected demand total	4,772	5,396	13.1%	676	5,396	698.2%
Water supply needs total**	4,243	4,867	14.7%	147	4,867	3210.9%
La Salle County| Livestock WUG Type						
Existing WUG supply total	491	491	0.0%	491	491	0.0%
Projected demand total	491	394	-19.8%	491	394	-19.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
La Salle County| Irrigation WUG Type						
Existing WUG supply total	4,581	4,600	0.4%	4,490	4,513	0.5%
Projected demand total	5,784	4,461	-22.9%	5,784	4,461	-22.9%
Water supply needs total**	1,203	0	-100.0%	1,294	0	-100.0%
Medina County| Municipal WUG Type						
Existing WUG supply total	8,681	8,976	3.4%	9,164	10,668	16.4%

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DRAFT Region L 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	8,508	8,650	1.7%	10,770	11,730	8.9%
Water supply needs total**	1,787	2,091	17.0%	3,255	3,865	18.7%
Medina County| Manufacturing WUG Type						
Existing WUG supply total	1,543	1,543	0.0%	1,543	1,543	0.0%
Projected demand total	67	15	-77.6%	67	19	-71.6%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Medina County| Mining WUG Type						
Existing WUG supply total	2,214	2,008	-9.3%	3,029	2,786	-8.0%
Projected demand total	2,057	4,324	110.2%	2,872	5,657	97.0%
Water supply needs total**	0	2,316	100.0%	0	2,876	100.0%
Medina County| Livestock WUG Type						
Existing WUG supply total	1,165	1,165	0.0%	1,165	1,165	0.0%
Projected demand total	1,145	1,058	-7.6%	1,145	1,058	-7.6%
Water supply needs total**	0	47	100.0%	0	47	100.0%
Medina County| Irrigation WUG Type						
Existing WUG supply total	24,211	24,538	1.4%	22,742	23,794	4.6%
Projected demand total	59,968	54,809	-8.6%	59,968	54,809	-8.6%
Water supply needs total**	35,757	30,271	-15.3%	37,226	31,015	-16.7%
Refugio County| Municipal WUG Type						
Existing WUG supply total	1,200	1,201	0.1%	1,200	1,194	-0.5%
Projected demand total	1,200	983	-18.1%	1,200	865	-27.9%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Refugio County| Mining WUG Type						
Existing WUG supply total	69	0	-100.0%	15	0	-100.0%
Projected demand total	69	0	-100.0%	15	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%

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DRAFT Region L 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 (%)
Refugio County| Livestock WUG Type						
Existing WUG supply total	475	475	0.0%	475	475	0.0%
Projected demand total	475	461	-2.9%	475	461	-2.9%
Water supply needs total**	0	17	100.0%	0	17	100.0%
Refugio County| Irrigation WUG Type						
Existing WUG supply total	1,034	1,034	0.0%	1,034	1,034	0.0%
Projected demand total	1,034	867	-16.2%	1,034	867	-16.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Uvalde County| Municipal WUG Type						
Existing WUG supply total	3,963	3,914	-1.2%	4,202	4,142	-1.4%
Projected demand total	6,626	5,320	-19.7%	8,334	4,668	-44.0%
Water supply needs total**	2,925	2,011	-31.2%	4,273	1,564	-63.4%
Uvalde County| Manufacturing WUG Type						
Existing WUG supply total	111	0	-100.0%	111	0	-100.0%
Projected demand total	3	0	-100.0%	3	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Uvalde County| Mining WUG Type						
Existing WUG supply total	2,814	2,559	-9.1%	3,772	3,462	-8.2%
Projected demand total	2,916	3,204	9.9%	3,874	4,074	5.2%
Water supply needs total**	102	645	532.4%	102	612	500.0%
Uvalde County| Livestock WUG Type						
Existing WUG supply total	2,198	2,198	0.0%	2,198	2,198	0.0%
Projected demand total	2,198	2,049	-6.8%	2,198	2,049	-6.8%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Uvalde County| Irrigation WUG Type						
Existing WUG supply total	21,663	21,918	1.2%	20,705	21,015	1.5%

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DRAFT Region L 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	62,409	52,703	-15.6%	62,409	52,703	-15.6%
Water supply needs total**	40,746	30,785	-24.4%	41,704	31,688	-24.0%
Victoria County| Municipal WUG Type						
Existing WUG supply total	11,533	11,533	0.0%	11,533	11,533	0.0%
Projected demand total	21,065	19,521	-7.3%	23,877	19,728	-17.4%
Water supply needs total**	10,681	9,266	-13.2%	13,446	9,464	-29.6%
Victoria County| Manufacturing WUG Type						
Existing WUG supply total	472	472	0.0%	472	472	0.0%
Projected demand total	9,234	39,432	327.0%	9,234	45,600	393.8%
Water supply needs total**	8,762	38,960	344.6%	8,762	45,128	415.0%
Victoria County| Mining WUG Type						
Existing WUG supply total	75	36	-52.0%	18	14	-22.2%
Projected demand total	75	390	420.0%	18	451	2405.6%
Water supply needs total**	0	354	100.0%	0	437	100.0%
Victoria County| Steam Electric Power WUG Type						
Existing WUG supply total	12,550	12,550	0.0%	12,550	12,550	0.0%
Projected demand total	31,475	3,198	-89.8%	31,475	3,198	-89.8%
Water supply needs total**	18,925	0	-100.0%	18,925	0	-100.0%
Victoria County| Livestock WUG Type						
Existing WUG supply total	1,064	1,064	0.0%	1,064	1,064	0.0%
Projected demand total	1,064	979	-8.0%	1,064	979	-8.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Victoria County| Irrigation WUG Type						
Existing WUG supply total	13,398	13,398	0.0%	13,398	13,398	0.0%
Projected demand total	13,398	11,092	-17.2%	13,398	11,092	-17.2%
Water supply needs total**	5,791	3,761	-35.1%	5,791	3,761	-35.1%

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DRAFT Region L 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 (%)
Wilson County| Municipal WUG Type						
Existing WUG supply total	11,141	11,060	-0.7%	11,099	11,085	-0.1%
Projected demand total	10,037	8,292	-17.4%	16,123	11,616	-28.0%
Water supply needs total**	1,770	1,606	-9.3%	7,013	4,162	-40.7%
Wilson County| Manufacturing WUG Type						
Existing WUG supply total	43	40	-7.0%	43	43	0.0%
Projected demand total	43	62	44.2%	43	71	65.1%
Water supply needs total**	0	22	100.0%	0	28	100.0%
Wilson County| Mining WUG Type						
Existing WUG supply total	1,548	1,755	13.4%	204	363	77.9%
Projected demand total	1,548	4,680	202.3%	204	4,714	2210.8%
Water supply needs total**	0	2,925	100.0%	0	4,351	100.0%
Wilson County| Steam Electric Power WUG Type						
Existing WUG supply total	2,439	0	-100.0%	2,439	0	-100.0%
Projected demand total	2,439	0	-100.0%	2,439	0	-100.0%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Wilson County| Livestock WUG Type						
Existing WUG supply total	1,889	1,889	0.0%	1,889	1,889	0.0%
Projected demand total	1,889	1,709	-9.5%	1,889	1,709	-9.5%
Water supply needs total**	0	88	100.0%	0	88	100.0%
Wilson County| Irrigation WUG Type						
Existing WUG supply total	15,442	15,457	0.1%	14,965	15,265	2.0%
Projected demand total	15,418	13,318	-13.6%	15,418	13,318	-13.6%
Water supply needs total**	3,405	2,501	-26.5%	3,882	2,693	-30.6%
Zavala County| Municipal WUG Type						
Existing WUG supply total	4,642	4,601	-0.9%	4,799	4,762	-0.8%

*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 L 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	3,133	1,998	-36.2%	4,151	1,695	-59.2%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Zavala County| Manufacturing WUG Type						
Existing WUG supply total	766	603	-21.3%	766	766	0.0%
Projected demand total	766	732	-4.4%	766	846	10.4%
Water supply needs total**	0	129	100.0%	0	80	100.0%
Zavala County| Mining WUG Type						
Existing WUG supply total	2,257	2,531	12.1%	557	932	67.3%
Projected demand total	2,257	4,932	118.5%	557	4,932	785.5%
Water supply needs total**	0	2,401	100.0%	0	4,000	100.0%
Zavala County| Livestock WUG Type						
Existing WUG supply total	893	893	0.0%	893	893	0.0%
Projected demand total	893	855	-4.3%	893	855	-4.3%
Water supply needs total**	0	0	0.0%	0	0	0.0%
Zavala County| Irrigation WUG Type						
Existing WUG supply total	24,968	25,083	0.5%	25,901	25,618	-1.1%
Projected demand total	46,318	42,574	-8.1%	45,766	42,574	-7.0%
Water supply needs total**	21,350	17,491	-18.1%	19,865	16,956	-14.6%
Region L Total						
Existing WUG supply total	1,005,292	1,037,763	3.2%	1,013,911	1,046,094	3.2%
Projected demand total	1,114,948	1,134,971	1.8%	1,320,128	1,493,287	13.1%
Water supply needs total**	232,188	272,890	17.5%	401,027	581,665	45.0%

*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 L 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 (%)
Atascosa County						
Groundwater availability total	77,333	61,632	-20.3%	82,505	66,722	-19.1%
Surface Water availability total	754	754	0.0%	754	754	0.0%
Bexar County						
Groundwater availability total	308,252	305,771	-0.8%	306,242	305,169	-0.4%
Reuse availability total	34,735	29,735	-14.4%	39,735	39,735	0.0%
Surface Water availability total	693	583	-15.9%	693	583	-15.9%
Caldwell County						
Groundwater availability total	63,270	31,397	-50.4%	56,214	55,303	-1.6%
Surface Water availability total	1,025	1,025	0.0%	1,025	1,025	0.0%
Calhoun County						
Groundwater availability total	7,565	7,611	0.6%	7,565	7,611	0.6%
Surface Water availability total	33,841	33,729	-0.3%	33,841	33,729	-0.3%
Comal County						
Groundwater availability total	56,130	56,816	1.2%	56,130	56,816	1.2%
Reuse availability total	107	107	0.0%	107	107	0.0%
Surface Water availability total	741	741	0.0%	741	741	0.0%
DeWitt County						
Groundwater availability total	15,476	17,958	16.0%	14,485	17,784	22.8%
Surface Water availability total	997	997	0.0%	997	997	0.0%
Dimmit County						
Groundwater availability total	4,129	3,885	-5.9%	4,129	3,885	-5.9%
Surface Water availability total	454	455	0.2%	454	455	0.2%
Frio County						
Groundwater availability total	113,722	115,364	1.4%	105,303	106,805	1.4%
Surface Water availability total	497	497	0.0%	497	497	0.0%
Goliad County						
Groundwater availability total	11,539	6,254	-45.8%	11,539	6,972	-39.6%
Surface Water availability total	564	564	0.0%	564	564	0.0%
Gonzales County						

*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 L 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 (%)
Groundwater availability total	94,989	88,406	-6.9%	99,391	115,388	16.1%
Surface Water availability total	7,079	7,079	0.0%	7,079	7,079	0.0%
Guadalupe County						
Groundwater availability total	48,724	40,516	-16.8%	48,714	43,152	-11.4%
Reuse availability total	1,325	1,325	0.0%	1,325	1,325	0.0%
Surface Water availability total	8,739	8,739	0.0%	8,739	8,739	0.0%
Hays County						
Groundwater availability total	16,376	16,876	3.1%	16,376	16,876	3.1%
Reuse availability total	8,448	8,448	0.0%	8,848	8,848	0.0%
Surface Water availability total	1,546	39,566	2459.2%	1,546	39,566	2459.2%
Karnes County						
Groundwater availability total	13,340	13,296	-0.3%	6,105	6,008	-1.6%
Surface Water availability total	688	688	0.0%	688	688	0.0%
Kendall County						
Groundwater availability total	11,552	11,540	-0.1%	11,552	11,540	-0.1%
Reuse availability total	334	334	0.0%	334	334	0.0%
Surface Water availability total	224	224	0.0%	224	224	0.0%
La Salle County						
Groundwater availability total	7,940	6,629	-16.5%	7,940	6,629	-16.5%
Surface Water availability total	719	719	0.0%	719	719	0.0%
Medina County						
Groundwater availability total	59,504	66,075	11.0%	59,502	66,075	11.0%
Surface Water availability total	582	582	0.0%	582	582	0.0%
Refugio County						
Groundwater availability total	5,847	5,866	0.3%	5,847	5,866	0.3%
Surface Water availability total	237	237	0.0%	237	237	0.0%
Reservoir County**						
Surface Water availability total	159,843	159,846	0.0%	159,266	159,033	-0.1%
Uvalde County						
Groundwater availability total	32,464	45,717	40.8%	32,061	45,717	42.6%
Surface Water availability total	1,236	1,236	0.0%	1,236	1,236	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.

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

DRAFT Region L 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 (%)
Victoria County						
Groundwater availability total	49,970	59,948	20.0%	59,963	59,948	0.0%
Surface Water availability total	13,642	534	-96.1%	13,642	534	-96.1%
Wilson County						
Groundwater availability total	107,503	40,748	-62.1%	113,021	127,535	12.8%
Surface Water availability total	2,018	2,039	1.0%	2,018	2,039	1.0%
Zavala County						
Groundwater availability total	35,305	36,675	3.9%	34,695	34,831	0.4%
Surface Water availability total	594	594	0.0%	594	594	0.0%
Region L Total						
Groundwater availability total	1,140,930	1,038,980	-8.9%	1,139,279	1,166,632	2.4%
Reuse availability total	44,949	39,949	-11.1%	50,349	50,349	0.0%
Surface Water availability total	236,713	261,428	10.4%	236,136	260,615	10.4%

*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.

Appendix B Correspondence with TWDB Regarding Hydrologic Variance Requests

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 8, 2024

Mr. Tim Andruss
Chair
South Central Texas (Region L) Regional Water Planning Group
c/o San Antonio River Authority
100 East Guenther Street
San Antonio, TX 78204

Dear Mr. Andruss:

I have reviewed your request dated November 15, 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 the following assumptions that require a variance:

1. Use of the Region L Guadalupe-San Antonio Water Availability Model (i.e., "Region L WAM") to evaluate existing supply for Canyon Reservoir, and for the power plant reservoirs Braunig Lake, Calaveras Lake, and Coleto Creek Reservoir. The Region L WAM includes the following:
    a. Simulates Federal Energy Regulatory Commission (FERC) requirements, a drought contingency trigger at the Spring Branch stream gauge, an agreement with Guadalupe Trout Unlimited, and various water rights, including special conditions, and daily operations dependent on Canyon Reservoir.
    b. Uses of a daily timestep simulation with no use of effluent or other changes to water rights.
    c. Reflects the operation of the power plant reservoirs as being subject to authorized consumptive uses, with makeup diversions as needed to maintain full conservation storage to the extent possible, subject to senior water rights, instream flow considerations, and/or applicable contractual provisions. Add return flows to the Region L WAM and the TCEQ Guadalupe/San Antonio WAM Run 3 in the evaluation of existing supply when specifically required by a surface water right.
2. Add return flows to the TCEQ Guadalupe/San Antonio WAM Run 3 in the evaluation of water management strategies if an entity requests inclusion of a project that includes an indirect reuse permit. The source water available for reuse will be:

   a. Estimated as the amount of water returned to a utility's wastewater treatment plant for each decade, less the amount of reuse water already utilized as existing supply.
   b. Where the upper limit of source water available for reuse water management strategies will be based on the amount of water returned to a utility's wastewater treatment plants, estimated at 50% of the utility's projected water demands and adjusted for water conservation and drought management strategies, unless site specific information is available.
3. Add return flows to the TCEQ Nueces WAM for the evaluation of strategy supplies if an entity requests inclusion of a project that includes an indirect reuse permit. The source water available for reuse will be:
   a. Estimated as the amount of water returned to a utility's wastewater treatment plant for each decade, less the amount of reuse water already utilized as existing supply.
   b. Where the upper limit of source water available for reuse water management strategies will be based on the amount of water returned to a utility's wastewater treatment plants, estimated at 50% of the utility's projected water demands and adjusted for water conservation and drought management strategies, unless site specific information is available.
4. Use of the Flow Regime Application Tool (FRAT), with the relevant TCEQ WAM Run 3, to evaluate environmental flows for new surface water management strategies.

For the purpose of evaluating potentially feasible water management strategies not included in the above list, the TCEQ WAM Run 3 is to be used.

While the TWDB authorizes these modifications to evaluate existing and future water supplies for development of the 2026 Region L South Central Texas 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 Michele Foss of our Regional Water Planning staff at 512-463-9225 or mfoss@twdb.texas.gov if you have any questions.

Sincerely,

Temple McKinnon Digitally signed by Temple McKinnon
Date: 2024.01.08 08:59:10 -06'00'

Matt Nelson
Deputy Executive Administrator

c: Cayethania Castillo, San Antonio River Authority
Lauren Gonzalez, Black & Veatch
Jaime Burke, Black & Veatch
Michele Foss, Water Supply Planning
Sarah Lee, Water Supply Planning
Nelun Fernando, Ph.D., Surface Water

ATTACHMENT A

REGION L HYDROLOGIC VARIANCE REQUEST SUBMITTAL

Black & Veatch
4009 Banister Lane, Suite 412; Austin, Texas 78704
P +1 512-782-4914 E GonzalezL@bv.com

November 15, 2023

B&V Project 411170

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

Transmitted Via Email

RE: Submittal of Hydrologic Variance Request Checklists on behalf of the South Central Texas (Region L) Regional Water Planning Group
2026 Regional Water Planning Cycle

Dear Mr. Walker,

The South Central Texas (Region L) Regional Water Planning Group (SCTRWPG) approved hydrologic assumptions and needed hydrologic variances for submittal to the Texas Water Development Board (TWDB) at the November 2, 2023, SCTRWPG meeting. On behalf of the SCTRWPG, Black & Veatch submits this transmittal letter and enclosed hydrologic variance checklists for the Guadalupe-San Antonio River Basin and Nueces River Basin for your consideration for the 2026 Region L Regional Water Planning Cycle.

We appreciate your consideration of this request. Please let me know if you need any additional information or if you have any questions. Thank you.

Sincerely,

Lauren E. Gonzalez
Planning and Regulatory Permitting Lead
BLACK & VEATCH

Enclosures (2)

cc: Michele Foss, Texas Water Development Board
Tim Andruss, Victoria County Groundwater Conservation District
Vanessa Puig-Williams, Environmental Defense Fund
Steve Graham, San Antonio River Authority
Cayethania Castillo, San Antonio River Authority
Jaime Burke, Black & Veatch

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ENCLOSURE 1
Hydrologic Variance Checklist for the Guadalupe-San Antonio River Basin

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules[1] require that regional water planning groups (RWPG) use most current Water Availability Models (WAM) from the Texas Commission on Environmental Quality (TCEQ) and assume full utilization of existing water rights and no return flows for surface water supply analysis. Additionally, evaluation of existing stored surface water available during Drought of Record conditions must be based on Firm Yield using anticipated sedimentation rates. However, the TWDB rules also allow, and **we encourage**, RWPGs to use more representative, water availability modeling assumptions; better site-specific information; or justified operational procedures other than Firm Yield with written approval (via a Hydrologic Variance) from the Executive Administrator in order to better represent and therefore prepare for expected drought conditions.

RWPGs must use this checklist, which is intended to save time and reduce effort, to request a Hydrologic Variance for estimating the availability of surface water sources. For Questions 4 – 10, please indicate whether the requested variance is for determining Existing Supply, Strategy Supply, or both. Please complete a separate checklist for each river basin in which variances are being requested.

Water Planning Region: L

1. Which major river basin does the request apply to? Please specify if the request only applies part of the basin or only to certain reservoirs.

   Guadalupe-San Antonio Basin

2. Please give a brief, bulleted, description of the requested hydrologic variances including how the alternative availability assumptions vary from rule requirements, how the modifications will affect the associated annual availability volume(s) in the regional water plan, and why the variance is necessary or provides a better basis for planning. You must provide more-detailed descriptions in the subsequent checklist questions. Attach any available documentation supporting the request.

   A. The unmodified (other than reservoir sedimentation) Guadalupe-San Antonio Water Availability Model (WAM) from Texas Commission on Environmental Quality (TCEQ) will be used for surface water supply evaluations, except as described below.
   B. The Region L WAM will be used to establish existing supply for Canyon Reservoir and power plant reservoirs of Braunig Lake, Calaveras Lake, and Coleto Creek Reservoir. This is the same model approved by the Texas Water Development Board (TWDB) and used in the currently approved 2021 Region L Regional Water Plan. The model uses a daily time step simulation with no use of effluent or other changes to water rights. The Region L WAM more accurately considers reservoir operations in its analysis, including operation of the power plant reservoirs subject to authorized consumptive uses, with makeup diversions as needed to maintain full conservation storage to the extent possible, subject to senior water rights, instream flow

[1] 31 Texas Administrative Code (TAC) §§ 357.10(14) and 357.32(c)

considerations, and/or applicable contractual provisions. The associated annual availability of the reservoirs is expected to increase with use of the Region L WAM.

C. The Flow Regime Application Tool (FRAT) will be used, in conjunction with the TCEQ WAM Run 3, to evaluate environmental flows for new surface water management strategies (WMSs). FRAT converts between monthly time step simulations and daily time step simulations.

3. Was this request submitted in a previous planning cycle? If yes, please indicate which cycle and note how it is different, if at all, from the previous request?

   Yes

   The same hydrologic assumptions and variances were used in the 2016 and 2021 Regional Water Plan.

4. Are you requesting to extend the period of record beyond the current applicable WAM hydrologic period? If yes, please describe the proposed methodology. Indicate whether you believe there is a new drought of record in the basin.

   No

   Choose an item.

   No, Region L does not request to extend the period of record beyond the current applicable WAM hydrologic period.

   No, Region L does not believe there is a new drought of record in the basin.

5. Are you requesting to use a reservoir safe yield? If yes, please describe in detail how the safe yield would be calculated and defined, which reservoir(s) it would apply to, and why the modification is needed or preferrable for drought planning purposes.

   No

   Choose an item.

   No, Region L does not request to use a reservoir safe yield.

6. Are you requesting to use a reservoir yield other than firm yield or safe yield? If yes, please describe, in a bulleted list, each modification requested including how the alternative yield was calculated, which reservoir(s) it applies to, and why the modification is needed or preferrable for drought planning purposes. Examples of alternative reservoir yield analyses may include using an alternative reservoir level, conditional reliability, or other special reservoir operations.

   No

Choose an item.

No, Region L will use firm yield to determine reservoir yield.

7. Are you requesting to use a different model (such as a RiverWare or Excel-based models) than RUN 3 of the applicable TCEQ WAM? If yes, please describe the model being considered including how it incorporates water rights and prior appropriation and how it is more conservative than RUN 3 of the applicable TCEQ WAM.

   Yes

   Existing Supply

   The Region L Water Availability Model (WAM) will be used to establish existing supply for Canyon Reservoir and power plant reservoirs of Braunig Lake, Calaveras Lake, and Coleto Creek Reservoir. This model simulates Federal Energy Regulatory Commission (FERC) requirements, a drought contingency trigger at the Spring Branch stream gauge, an agreement with Guadalupe River Trout Unlimited, and various water rights and daily operations dependent on Canyon Reservoir. The model uses a daily time step simulation with no use of effluent or other changes to water rights. The Region L WAM more accurately considers reservoir operations in its analysis, including operation of the power plant reservoirs subject to authorized consumptive uses, with makeup diversions as needed to maintain full conservation storage to the extent possible, subject to senior water rights, instream flow considerations, and/or applicable contractual provisions.

8. Are you requesting to use a modified TCEQ WAM? If yes, please describe in a bulleted list all modifications in detail including all specific changes to the WAM and whether the modified WAM is more conservative than the TCEQ WAM RUN 3. Examples of WAM modifications may include adding subordination agreements, contracts, updated water rights, modified spring flows, updated lake evaporation, updated sedimentation[2], system or reservoir operations, or special operational procedures into the WAM.

   Yes

   Existing Supply

   The Region L WAM more accurately considers reservoir operations in its analysis. The Region L WAM includes the following considerations:

   - **Simulates Federal Energy Regulatory Commission (FERC) requirements, a drought contingency trigger at the Spring Branch stream gauge, an agreement with Guadalupe**

[2] Updating anticipated sedimentation rates does not require a hydrologic variance under 31 TAC § 357.10(14). The Technical Memorandum will require providing details regarding the sedimentation methodology utilized. Please consider providing that information with this request.

River Trout Unlimited, and various water rights, including special conditions, and daily operations dependent on Canyon Reservoir.

- **The model uses a daily time step simulation with no use of effluent or other changes to water rights.**
- **Operation of the power plant reservoirs subject to authorized consumptive uses, with makeup diversions as needed to maintain full conservation storage to the extent possible, subject to senior water rights, instream flow considerations, and/or applicable contractual provisions.**

9. Are you requesting to include return flows in the modeling? If yes, are you doing so to model an indirect reuse water management strategy (WMS)? Please provide complete details regarding the proposed methodology for determining reuse WMS availability.

   Yes

   Existing and Strategy Supply

   For Existing Supply, return flows will be included in the WAM when specifically required by a surface water right. For example, the Region L WAM includes a detailed simulation of Calaveras Reservoir, which incorporates effluent from the San Antonio Water System (SAWS), subject to downstream senior water rights and CPS Energy's diversion operations.

   Additionally, return flows will be included for Water Management Strategies (WMSs) if an entity requests inclusion of a project that includes a bed and banks permit. For example, the 2021 Regional Water Plan included the Canyon Regional Water Authority (CRWA) Siesta Project, which modeled firm yield based on return flows from a wastewater treatment facility.

   Source water available for reuse WMSs will be determined based on the estimated amount of water returned to a utility's WWTPs for each decade, less the amount of reuse water already being utilized as existing supply. The upper limit of source water available for reuse WMSs will be determined based on the amount of water returned to a utility's wastewater treatment plants, estimated at 50% of the utility's projected water demands, adjusted for water conservation and drought management strategies, unless site specific information is available. Indirect reuse WMSs are evaluated using TCEQ WAM Run 3. Direct reuse WMSs do not require WAM modeling.

10. Are any of the requested Hydrologic Variances also planned to be used by another region for the same basin? If yes, please indicate the other Region. Please indicate if unknown.

    No

    Click or tap here to enter text.

11. Please describe any other variance requests not captured on this checklist or add any other information regarding the variance requests on this checklist.

    Not Applicable – No additional variances are requested.

Black & Veatch
4009 Banister Lane, Suite 412; Austin, Texas 78704
P +1 512-782-4914 **E** GonzalezL@bv.com

ENCLOSURE 2
Hydrologic Variance Checklist for the Nueces River Basin

Surface Water Hydrologic Variance Request Checklist

Texas Water Development Board (TWDB) rules[1] require that regional water planning groups (RWPG) use most current Water Availability Models (WAM) from the Texas Commission on Environmental Quality (TCEQ) and assume full utilization of existing water rights and no return flows for surface water supply analysis. Additionally, evaluation of existing stored surface water available during Drought of Record conditions must be based on Firm Yield using anticipated sedimentation rates. However, the TWDB rules also allow, and **we encourage**, RWPGs to use more representative, water availability modeling assumptions; better site-specific information; or justified operational procedures other than Firm Yield with written approval (via a Hydrologic Variance) from the Executive Administrator in order to better represent and therefore prepare for expected drought conditions.

RWPGs must use this checklist, which is intended to save time and reduce effort, to request a Hydrologic Variance for estimating the availability of surface water sources. For Questions 4 – 10, please indicate whether the requested variance is for determining Existing Supply, Strategy Supply, or both. Please complete a separate checklist for each river basin in which variances are being requested.

Water Planning Region: **L**

1. Which major river basin does the request apply to? Please specify if the request only applies part of the basin or only to certain reservoirs.

   Nueces Basin

2. Please give a brief, bulleted, description of the requested hydrologic variances including how the alternative availability assumptions vary from rule requirements, how the modifications will affect the associated annual availability volume(s) in the regional water plan, and why the variance is necessary or provides a better basis for planning. You must provide more-detailed descriptions in the subsequent checklist questions. Attach any available documentation supporting the request.

   Return flows will be included for Water Management Strategies (WMSs) if an entity requests inclusion of a project that includes a bed and banks permit.

3. Was this request submitted in a previous planning cycle? If yes, please indicate which cycle and note how it is different, if at all, from the previous request?

   Yes

[1] 31 Texas Administrative Code (TAC) §§ 357.10(14) and 357.32(c)

The same hydrologic assumptions and variances were used in the 2016 and 2021 Regional Water Plan.

4. Are you requesting to extend the period of record beyond the current applicable WAM hydrologic period? If yes, please describe the proposed methodology. Indicate whether you believe there is a new drought of record in the basin.

   No

   Choose an item.

   No, Region L does not request to extend the period of record beyond the current applicable WAM hydrologic period.

   No, Region L does not believe there is a new drought of record in the basin.

5. Are you requesting to use a reservoir safe yield? If yes, please describe in detail how the safe yield would be calculated and defined, which reservoir(s) it would apply to, and why the modification is needed or preferrable for drought planning purposes.

   No

   Choose an item.

   No, Region L does not request to use a reservoir safe yield for existing supplies or for WMSs.

6. Are you requesting to use a reservoir yield other than firm yield or safe yield? If yes, please describe, in a bulleted list, each modification requested including how the alternative yield was calculated, which reservoir(s) it applies to, and why the modification is needed or preferrable for drought planning purposes. Examples of alternative reservoir yield analyses may include using an alternative reservoir level, conditional reliability, or other special reservoir operations.

   No

   Choose an item.

   No, Region L will use firm yield to determine reservoir yield.

7. Are you requesting to use a different model (such as a RiverWare or Excel-based models) than RUN 3 of the applicable TCEQ WAM? If yes, please describe the model being considered including how it incorporates water rights and prior appropriation and how it is more conservative than RUN 3 of the applicable TCEQ WAM.

No

Choose an item.

No, Region L does not request to use a different model than RUN 3 of the applicable TCEQ WAM.

8. Are you requesting to use a modified TCEQ WAM? If yes, please describe in a bulleted list all modifications in detail including all specific changes to the WAM and whether the modified WAM is more conservative than the TCEQ WAM RUN 3. Examples of WAM modifications may include adding subordination agreements, contracts, updated water rights, modified spring flows, updated lake evaporation, updated sedimentation[2], system or reservoir operations, or special operational procedures into the WAM.

   No

   Choose an item.

   No, Region L does not request to use a modified TCEQ WAM for the Nueces Basin.

9. Are you requesting to include return flows in the modeling? If yes, are you doing so to model an indirect reuse water management strategy (WMS)? Please provide complete details regarding the proposed methodology for determining reuse WMS availability.

   Yes

   Strategy Supply

   Return flows will not be included in the modeling for the Nueces Basin for existing supply.

   Return flows will be included for Water Management Strategies (WMSs) if an entity requests inclusion of a project that includes a bed and banks permit.

   Source water available for reuse WMSs will be determined based on the estimated amount of water returned to a utility's WWTPs for each decade, less the amount of reuse water already being utilized as existing supply. The upper limit of source water available for reuse WMSs will be determined based on the amount of water returned to a utility's wastewater treatment plants, estimated at 50% of the utility's projected water demands, adjusted for water conservation and drought management strategies, unless site specific information is available. Indirect reuse WMSs are evaluated using TCEQ WAM Run 3. Direct reuse WMSs do not require WAM modeling.

[2] Updating anticipated sedimentation rates does not require a hydrologic variance under 31 TAC § 357.10(14). The Technical Memorandum will require providing details regarding the sedimentation methodology utilized. Please consider providing that information with this request.

10. Are any of the requested Hydrologic Variances also planned to be used by another region for the same basin? If yes, please indicate the other Region. Please indicate if unknown.

    Unknown

    Click or tap here to enter text.

11. Please describe any other variance requests not captured on this checklist or add any other information regarding the variance requests on this checklist.

    N/A – None.

ATTACHMENT B

MEMORANDUM: RECOMMENDATIONS ON REGION L'S HYDROLOGIC VARIANCE REQUEST FOR THE 2026 REGIONAL WATER PLAN

TO: Michele Foss, Regional Water Planner, Regional Water Planning

FROM: Nelun Fernando, Ph.D., Manager, Water Availability

DATE: January 2, 2024

SUBJECT: Recommendations on Region L's hydrologic variance request for the 2026 Regional Water Plan

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This memorandum summarizes my review recommendations on the hydrologic variance request submitted for assessing current surface water availability in Region L's 2026 regional water plan.

1. Use the Region L Guadalupe-San Antonio Water Availability Model (i.e., "Region L WAM") to evaluate existing supply for Canyon Reservoir, and for the power plant reservoirs Braunig Lake, Calaveras Lake, and Coleto Creek Reservoir. The Region L WAM includes the following:
    a. Simulates Federal Energy Regulatory Commission (FERC) requirements, a drought contingency trigger at the Spring Branch stream gauge, an agreement with Guadalupe Trout Unlimited, and various water rights, including special conditions, and daily operations dependent on Canyon Reservoir.
    b. Uses of a daily timestep simulation with no use of effluent or other changes to water rights.
    c. Reflects the operation of the power plant reservoirs as being subject to authorized consumptive uses, with makeup diversions as needed to maintain full conservation storage to the extent possible, subject to senior water rights, instream flow considerations, and/or applicable contractual provisions.

    Recommendation: Approve request.

    Justification: The Region L WAM more accurately considers reservoir operations in its analysis. Furthermore, this variance request was implemented in the 2016 and 2021 regional water plans.

2. Add return flows to the Region L WAM and to the Texas Commission on Environmental Quality (TCEQ) Guadalupe/San Antonio WAM Run 3 in the evaluation of existing supply when specifically required by a surface water right. Also add return flows in the evaluation of water management strategies if an entity requests inclusion of a project that includes a bed and banks permit. The TCEQ Guadalupe/San Antonio WAM Run 3 will be used for the evaluation of indirect reuse water management strategies. The source water available for reuse will be:
    - Estimated as the amount of water returned to a utility's wastewater treatment plant for each decade, less the amount of reuse water already utilized as existing supply.
    - Where the upper limit of source water available for reuse water management strategies will be based on the amount of water returned to a utility's wastewater treatment plants, estimated at 50% of the utility's projected water demands and adjusted for water conservation and drought management strategies, unless site specific information is available.

    Recommendation: Approve request.

    Justification: Adding return flows in the evaluation of existing supply reflects current operations within the Guadalupe-San Antonio River Basin. The methodology for including return flows in the evaluation of strategy supply is similar to the method implemented in the 2021 regional water plan (e.g., Canyon Regional Water Authority Siesta Project).

3. Add return flows to the TCEQ Nueces WAM for the evaluation of strategy supplies if an entity requests inclusion of a project that includes a bed and banks permit. The source water available for reuse will be:
   - Estimated as the amount of water returned to a utility's wastewater treatment plant for each decade, less the amount of reuse water already utilized as existing supply.
   - Where the upper limit of source water available for reuse water management strategies will be based on the amount of water returned to a utility's wastewater treatment plants, estimated at 50% of the utility's projected water demands and adjusted for water conservation and drought management strategies, unless site specific information is available.

   Recommendation: Approve request.

   Justification: The request was implemented in the 2016 and 2021 regional water plans.

4. Use the Flow Regime Application Tool (FRAT), with the relevant TCEQ WAM Run 3, to evaluate environmental flows for new surface water management strategies.

   Recommendation: Approve request.

   Justification: FRAT was used to evaluate environmental flows for new surface water management strategies in the 2016 and 2021 regional water plans.

Appendix C Electronic Model Input/Output Data

Appendix D RWPG-Estimated Groundwater Availabilities and Source Methodology

Table D-1 Groundwater Availabilities from TWDB and RWPG-Estimated Groundwater Availabilities

NO.	SOURCE INFORMATION					TWDB ORIGINAL, UNMODIFIED GROUNDWATER AVAILABILITIES (ACFT/YR) IN DB27						RWPG-ESTIMATED GROUNDWATER AVAILABILITIES (ACFT/YR) *					
	NAME	COUNTY	BASIN	METHODOLOGY TYPE	SOURCE**	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
1	Carrizo-Wilcox Aquifer	Karnes	Guadalupe	Published Reports / Data	A	0	0	0	0	0	0	50	50	50	50	50	50
2	Carrizo-Wilcox Aquifer	Karnes	Nueces	Published Reports / Data	A	0	0	0	0	0	0	84	84	84	84	84	84
3	Carrizo-Wilcox Aquifer	Karnes	San Antonio	Published Reports / Data	A	758	843	931	1,001	1,043	1,043	1,078	1,078	1,078	1,078	1,078	1,078
4	Edwards-BFZ Aquifer	Atascosa	Nueces	Permitted Amount	B	360	360	360	360	360	360	522	522	522	522	522	522
5	Edwards-BFZ Aquifer	Atascosa	San Antonio	Permitted Amount	B	100	100	100	100	100	100	145	145	145	145	145	145
6	Edwards-BFZ Aquifer	Bexar	Nueces	Permitted Amount	B	356	356	356	356	356	356	446	446	446	446	446	446
7	Edwards-BFZ Aquifer	Bexar	San Antonio	Permitted Amount	B	202,000	202,000	202,000	202,000	202,000	202,000	211,795	211,795	211,795	211,795	211,795	211,795
8	Edwards-BFZ Aquifer	Comal	Guadalupe	Permitted Amount	B	12,000	12,000	12,000	12,000	12,000	12,000	13,179	13,179	13,179	13,179	13,179	13,179
9	Edwards-BFZ Aquifer	Comal	San Antonio	Permitted Amount	B	362	362	362	362	362	362	549	549	549	549	549	549
10	Edwards-BFZ Aquifer	Frio	Nueces	Published Reports / Data	C	23,213	23,213	23,213	23,213	23,213	23,213	23,213	23,213	23,213	23,213	23,213	23,213
11	Edwards-BFZ Aquifer	Guadalupe	Guadalupe	Permitted Amount	B	221	221	221	221	221	221	293	293	293	293	293	293
12	Edwards-BFZ Aquifer	Hays	Guadalupe	Permitted Amount	B	942	942	942	942	942	942	8,283	8,283	8,283	8,283	8,283	8,283
13	Edwards-BFZ Aquifer	Medina	Nueces	Permitted Amount	B	20,128	20,128	20,128	20,128	20,128	20,128	25,419	25,419	25,419	25,419	25,419	25,419
14	Edwards-BFZ Aquifer	Medina	San Antonio	Permitted Amount	B	5,550	5,550	5,550	5,550	5,550	5,550	7,009	7,009	7,009	7,009	7,009	7,009
15	Edwards-BFZ Aquifer	Uvalde	Nueces	Permitted Amount	B	15,367	15,367	15,367	15,367	15,367	15,367	29,855	29,855	29,855	29,855	29,855	29,855
16	Leona Gravel Aquifer	Medina	Nueces	Published Reports / Data	D	17,955	17,955	17,955	17,955	17,955	17,955	17,955	17,955	17,955	17,955	17,955	17,955
17	Leona Gravel Aquifer	Medina	San Antonio	Published Reports / Data	D	4,062	4,062	4,062	4,062	4,062	4,062	4,062	4,062	4,062	4,062	4,062	4,062

NO.	SOURCE INFORMATION					TWDB ORIGINAL, UNMODIFIED GROUNDWATER AVAILABILITIES (ACFT/YR) IN DB27						RWPG-ESTIMATED GROUNDWATER AVAILABILITIES (ACFT/YR) *					
	NAME	COUNTY	BASIN	METHODOLOGY TYPE	SOURCE**	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
18	San Marcos River Alluvium Aquifer	Caldwell	Guadalupe	Published Reports / Data	E	271	271	271	271	271	271	271	271	271	271	271	271

Notes:

* Revisions from TWDB Groundwater Availabilities denoted in red text.

** Methodology Sources:

A. Maximum Historic TWDB Water Use Survey Detailed Groundwater Pumpage by County (2019-2021).
B. Contracts, permits, and limitations consistent with EAHCP and EAA Act.
C. TWDB GTA Aquifer Assessment 10-40 MAG: Analytical Model Estimates of Modeled Available Groundwater for the Edwards Aquifer within Frio County in GMA 13 (2012).
D. TWDB GTA Aquifer Assessment 10-07 MAG: Modeled Available Groundwater Estimates for Leona Gravel Aquifer in Medina County (2012); and TWDB Aquifer Assessment 10-41: Aquifer Assessment for the Leona Gravel Aquifer in Groundwater Management Area 13 (2012).
E. TWDB "Report 12, Groundwater Resources of Caldwell County, Texas" (1966).

Appendix E Process to Identify Potentially Feasible Water Management Strategies

APPENDIX E: Process for Identification of Potentially Feasible Water Management Strategies

Task 5A includes the Identification of Potentially Feasible Water Management Strategies (WMSs) for all water user groups (WUGs) and wholesale water providers (WWPs) with identified water needs. The process for Identification of Potentially Feasible WMSs was approved at a regular meeting of the South Central Texas Regional Water Planning Group (SCTRWPG) on November 2, 2023.

The process for Identification of Potentially Feasible WMSs for the 2026 South Central Texas (Region L) Regional Water Plan is documented, as follows.

1. WMSs from the 2021 Region L Regional Water Plan (RWP) will be considered to determine if they are appropriate for inclusion in the 2026 RWP.
2. Current water planning information, including specific WMSs of interest, will be solicited from WUGs and WWPs within Region L, including rural entities.
    a. Solicitation of planning information (to be initiated in 4th quarter 2023) will include a list of WMSs from the 2021 RWP to determine whether the project sponsor wishes to include the WMSs in the 2026 RWP.
    b. The solicitation will also request whether there are additional WMSs desired for inclusion in the 2026 RWP.
3. In accordance with Statute (Texas Water Code 16.053[e][5]) and rules (31 Texas Administrative Code 357.34, the SCTRWPG must consider certain types of WMSs for all identified water needs.
4. Information gathered from the solicitation and input from WUGs will be considered during development of a list of Potentially Feasible WMSs. The Potentially Feasible WMSs will be prepared and presented to the SCTRWPG at a regularly scheduled meeting (1st quarter 2024). Additional information may follow in subsequent SCTRWPG meetings.
5. Additional WMSs may be brought forth to the SCTRWPG for consideration and inclusion. The deadline for providing an additional WMS for inclusion in the 2026 RWP is the 2nd quarter 2024 meeting, usually held in May.
6. The list of Potentially Feasible WMSs will be further considered to identify “potentially feasible” or “not potentially feasible” WMSs for WUGs and WWPs with identified water needs.
7. The SCTRWPG will reference and follow the SCTRWPG Bylaws and Guiding Principles, specifically Guiding Principle VII regarding “Minimum Standards for Water Management Strategies”, Guiding Principle VIII regarding “Designation of Recommended and Alternative Strategies”, and Guiding Principle IX regarding “Establishment of Management Supply”.

    For reference, the Guiding Principles are included, as follows:

    PRINCIPLE VII MINIMUM STANDARDS FOR WATER MANAGEMENT STRATEGIES

    For a proposed strategy to be designated by the SCTRWPG as a water management strategy in the regional water plan, the proposed strategy must:

a) supply water, reduce water demands, or otherwise satisfy one or more identified needs;

b) include an evaluation and description consistent with standards used by the SCTRWPG and its technical consultants as required by TWDB Rules;

c) satisfy all relevant requirements established by the TWDB, including environmental flow standards;

d) identify one or more entities, with sufficient ability and willingness to implement the strategy, as being the strategy's sponsor(s);

e) identify all entities, as reasonably possible, who own any existing or planned infrastructure or existing permit that could be affected by the proposed strategy as being strategy participants; and

f) identify groundwater conservation districts or TCEQ with jurisdiction over the proposed strategy.

PRINCIPLE VIII RECOMMENDED WATER MANAGEMENT STRATEGIES

The SCTRWPG strives to develop a regional water plan that recommends water management strategies sufficient to supply water to all identified needs projected in the planning horizon for the region.

The SCTRWPG prefers designating water management strategies as recommended or alternative using a consensus approach while respecting the strategy sponsor(s)' wishes.

Prior to designating any water management strategies as recommended, the SCTRWPG will review the water management strategies to evaluate costs and environmental sensitivity of each water management strategy per TWDB Rules.

PRINCIPLE IX MANAGEMENT SUPPLY

The cumulative supply of the recommended water management strategies may include an amount of supply in excess of the amount needed to meet regional needs as considered necessary by the SCTRWPG to allow for such things as uncertainty associated with long-term planning, problems with project implementation, changing weather conditions, flexibility of sponsors in choosing projects to implement, and changes in project viability.

Identified Needs without a Recommended Water Management Strategy

For water needs that are not satisfied by recommended water management strategies, the SCTRWPG will provide a narrative explaining why the need is not satisfied.

Alternative Strategies in the Regional Water Plan

The SCTRWPG will include alternative water management strategies that sponsors wish to have identified as alternatives to one or more of their recommended water management strategies.

Conceptual Approaches (Water Management Strategies Needing Further Study) in the Regional Water Plan

The SCTRWPG will acknowledge conceptual and innovative approaches to developing water supplies, reducing water demand, and increasing efficiency of supplying water as may be proposed by others, but need further study.

Appendix F Potentially Feasible Water Management Strategies Identified to Meet Needs

Appendix F: Potentially Feasible Water Management Strategies Identified to Meet Needs

Every WUG Entity with an Identified Need			WMSs to be considered by statute[1]												Additional WMSs to be considered by rule								
No.	WUG Name	Maximum need 2030-2080 (af/yr)	conservation - water use reduction	conservation - water loss mitigation	drought management	reuse	management of existing supplies	development of large-scale marine seawater or brackish groundwater	conjunctive use	acquisition of available existing supplies	development of new supplies	development of regional water supply or regional management of water supply facilities	voluntary transfer of water (including regional water banks, sales, leases, options, subordination agreements, and financing agreements)	emergency transfer of water under Section 11.139	system optimization, reallocation of reservoir storage to new uses, contracts, water marketing, enhancement of yield, improvement of water quality	new surface water supply	new groundwater supply	brush management; precipitation enhancement	interbasin transfers of surface water	aquifer storage and recovery	cancellation of water rights	rainwater harvesting	other
1	3009 Water	-1,314	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
2	Air Force Village II Inc	-49	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
3	Alamo Heights	-488	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
4	Aqua WSC	-147	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
5	Atascosa Rural WSC	-2,436	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
6	Benton City WSC	-716	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
7	Bexar County WCID 10	-1,154	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
8	Boerne	-14,270	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
9	C Willow Water	-184	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
10	Canyon Lake Water Service	-18,505	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
11	Carrizo Hill WSC	-143	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
12	Castroville	-1,511	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
13	Cibolo	-2,728	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
14	Clear Water Estates Water System	-4,530	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
15	Concan WSC	-79	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
16	Converse	-764	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
17	County Line SUD	-14,569	PF	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
18	County-Other, Comal	-18,839	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
19	County-Other, Guadalupe	-187	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
20	County-Other, Hays	-20,912	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
21	County-Other, Kendall	-801	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
22	County-Other, Victoria	-1,145	PF	PF	PF	nPF	PF	nPF	nPF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	
23	Creedmoor-Maha WSC	-4,014	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
24	Crystal Clear SUD	-19,568	PF	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
25	Cuero	-382	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
26	East Central SUD	-7,495	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
27	East Medina County SUD	-475	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
28	El Oso WSC	-908	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	

Every WUG Entity with an Identified Need			WMSs to be considered by statute[1]												Additional WMSs to be considered by rule								
No.	WUG Name	Maximum need 2030-2080 (af/yr)	conservation - water use reduction	conservation - water loss mitigation	drought management	reuse	management of existing supplies	development of large-scale marine seawater or brackish groundwater	conjunctive use	acquisition of available existing supplies	development of new supplies	development of regional water supply or regional management of water supply facilities	voluntary transfer of water (including regional water banks, sales, leases, options, subordination agreements, and financing agreements)	emergency transfer of water under Section 11.139	system optimization, reallocation of reservoir storage to new uses, contracts, water marketing, enhancement of yield, improvement of water quality	new surface water supply	new groundwater supply	brush management; precipitation enhancement	interbasin transfers of surface water	aquifer storage and recovery	cancellation of water rights	rainwater harvesting	other
29	Elmendorf	-2,055	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
30	Encinal WSC	-1	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
31	Fair Oaks Ranch	-993	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
32	Fayette WSC	-12	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
33	Fort Sam Houston	-16,837	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
34	Garden Ridge	-4,064	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
35	Goforth SUD	-21,376	PF	PF	PF	PF	PF	PF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
36	Green Valley SUD	-5,975	PF	PF	PF	PF	PF	PF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
37	Guadalupe-Blanco River Authority	-1,607	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	nPF	PF	PF	PF	PF	nPF	PF	nPF	nPF	
38	Hondo	-599	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
39	Irrigation, Calhoun	-8,709	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
40	Irrigation, DeWitt	-99	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
41	Irrigation, Dimmit	-4,337	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
42	Irrigation, Goliad	-287	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
43	Irrigation, Karnes	-451	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
44	Irrigation, Medina	-32,067	PF	PF	PF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
45	Irrigation, Uvalde	-31,998	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
46	Irrigation, Zavala	-17,606	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
47	Karnes City	-198	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
48	Kendall West Utility	-490	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
49	Kirby	-269	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
50	KT Water Development	-4,471	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
51	Kyle	-7,988	PF	PF	PF	PF	PF	PF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
52	La Coste	-21	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
53	Lackland Air Force Base	-254	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
54	Leon Valley	-1,007	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
55	Live Oak	-532	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
56	Livestock, Caldwell	-43	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
57	Livestock, Comal	-34	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	

Every WUG Entity with an Identified Need			WMSs to be considered by statute[1]												Additional WMSs to be considered by rule								
No.	WUG Name	Maximum need 2030-2080 (af/yr)	conservation - water use reduction	conservation - water loss mitigation	drought management	reuse	management of existing supplies	development of large-scale marine seawater or brackish groundwater	conjunctive use	acquisition of available existing supplies	development of new supplies	development of regional water supply or regional management of water supply facilities	voluntary transfer of water (including regional water banks, sales, leases, options, subordination agreements, and financing agreements)	emergency transfer of water under Section 11.139	system optimization, reallocation of reservoir storage to new uses, contracts, water marketing, enhancement of yield, improvement of water quality	new surface water supply	new groundwater supply	brush management; precipitation enhancement	interbasin transfers of surface water	aquifer storage and recovery	cancellation of water rights	rainwater harvesting	other
58	Livestock, Frio	-82	PF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
59	Lockhart	-1,228	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
60	Lytle	-453	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
61	Manufacturing, Bexar	-3,779	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
62	Manufacturing, Caldwell	-14	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
63	Manufacturing, Calhoun	-5,186	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
64	Manufacturing, Gonzales	-345	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
65	Manufacturing, Guadalupe	-93	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
66	Manufacturing, Karnes	-84	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
67	Manufacturing, Kendall	-55	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
68	Manufacturing, Victoria	-46,815	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
69	Manufacturing, Wilson	-31	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
70	Manufacturing, Zavala	-129	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
71	Martindale WSC	-661	PF	PF	PF	PF	PF	PF	PF	PF	nPF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
72	Maxwell SUD	-6,127	PF	PF	PF	PF	PF	PF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	
73	Mining, Atascosa	-6,739	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
74	Mining, Caldwell	-334	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
75	Mining, Comal	-15,535	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
76	Mining, DeWitt	-1,045	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
77	Mining, Dimmit	-5,470	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
78	Mining, Frio	-5,384	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
79	Mining, Gonzales	-6,716	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
80	Mining, Guadalupe	-428	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
81	Mining, Karnes	-1,874	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
82	Mining, La Salle	-4,867	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
83	Mining, Medina	-2,871	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
84	Mining, Uvalde	-715	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
85	Mining, Victoria	-451	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	
86	Mining, Wilson	-4,351	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	

Every WUG Entity with an Identified Need			WMSs to be considered by statute[1]												Additional WMSs to be considered by rule									
No.	WUG Name	Maximum need 2030-2080 (af/yr)	conservation - water use reduction	conservation - water loss mitigation	drought management	reuse	management of existing supplies	development of large-scale marine seawater or brackish groundwater	conjunctive use	acquisition of available existing supplies	development of new supplies	development of regional water supply or regional management of water supply facilities	voluntary transfer of water (including regional water banks, sales, leases, options, subordination agreements, and financing agreements)	emergency transfer of water under Section 11.139	system optimization, reallocation of reservoir storage to new uses, contracts, water marketing, enhancement of yield, improvement of water quality	new surface water supply	new groundwater supply	brush management; precipitation enhancement	interbasin transfers of surface water	aquifer storage and recovery	cancellation of water rights	rainwater harvesting	other	
87	Mining, Zavala	-4,000	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
88	Natalia	-13	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
89	New Braunfels	-99,428	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF		
90	Oak Hills WSC	-1,568	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
91	Pearsall	-745	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
92	Picosa WSC	-273	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
93	S S WSC	-2,390	PF	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
94	Sabinal	-7	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
95	San Antonio Water System	-67,764	PF	PF	PF	PF	PF	PF	nPF	PF	PF	PF	PF	nPF	PF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
96	San Marcos	-23,090	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
97	Schertz	-9,831	PF	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
98	Seguin	-3,908	PF	PF	PF	PF	PF	PF	nPF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		
99	Selma	-3,731	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
100	Shavano Park	-474	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
101	South Buda WCID 1	-3,319	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
102	Springs Hill WSC	-7,047	PF	PF	PF	PF	PF	PF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
103	Steam Electric Power, Bexar	-2,782	PF	nPF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
104	Steam Electric Power, Calhoun	-37	PF	nPF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
105	Steam Electric Power, Hays	-1,949	PF	nPF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
106	Texas State University	-632	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
107	The Oaks WSC	-188	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
108	Three Oaks WSC	-544	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
109	Universal City	-286	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
110	Uvalde	-1,925	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
111	Victoria	-8,510	PF	PF	PF	PF	PF	nPF	PF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	PF	nPF	nPF		
112	Ville Dalsace Water Supply	-142	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
113	West Medina WSC	-44	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
114	Wimberley WSC	-1,654	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF		
115	Wingert Water Systems	-175	PF	PF	PF	PF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	PF	nPF	nPF	nPF	nPF	nPF		

Every WUG Entity with an Identified Need			WMSs to be considered by statute[1]												Additional WMSs to be considered by rule									
No.	WUG Name	Maximum need 2030-2080 (af/yr)	conservation - water use reduction	conservation - water loss mitigation	drought management	reuse	management of existing supplies	development of large-scale marine seawater or brackish groundwater	conjunctive use	acquisition of available existing supplies	development of new supplies	development of regional water supply or regional management of water supply facilities	voluntary transfer of water (including regional water banks, sales, leases, options, subordination agreements, and financing agreements)	emergency transfer of water under Section 11.139	system optimization, reallocation of reservoir storage to new uses, contracts, water marketing, enhancement of yield, improvement of water quality	new surface water supply	new groundwater supply	brush management; precipitation enhancement	interbasin transfers of surface water	aquifer storage and recovery	cancellation of water rights	rainwater harvesting	other
116	Yancey WSC	-229	PF	PF	PF	PF	PF	nPF	nPF	PF	nPF	nPF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	nPF	

[1] Texas Water Code §16.053(e)(5)

nPF = considered but determined 'not potentially feasible' (may include WMSs that were initially identified as potentially feasible)

PF = considered 'potentially feasible' and therefore evaluated

(all pertinent information for WMS evaluations must be presented in the regional water plan, including for WMSs considered potentially feasible but not recommended)

HANDOUT B - DRAFT SCOPE OF WORK FOR TASK 5B

Handout B
DRAFT Scope of Work for Task 5B
South Central Texas (Region L) Regional Water Planning Group

Scope of Work for 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 Dvlp	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									L	**5B**	1	Advanced Water Conservation	Advanced water conservation goal estimates will be produced for all municipal Water User Groups (WUGs) in Region L, using the methodology established during previous planning cycles. For WUGs that identify specific water conservation practices, the TWDB Conservation Planning Tool will be applied. AMI Infrastructure strategies will be identified for WUGs interested in this conservation method.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 24,000	All Municipal WUGs	Yes - updated GPCDs for some WUGs, and use of TWDB information where possible	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
	X									L	**5B**	2	Non-municipal Water Conservation	Identify and discuss BMPs for non-municipal water users, such as irrigation, livestock, manufacturing, mining, and steam-electric uses. Estimate water conserved by application of BMPs for existing and future water users. For irrigation water use, identify and discuss BMPs for common crops and estimate water savings.	New engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 24,000	Certain non-municipal WUGs with identified needs	Yes - new strategy	February 14, 2024, RWPG Meeting (6th Cycle)	No	No
	X									L	**5B**	3	Drought Management	For municipal WUGs with Needs in the first decade of the planning cycle, an estimate of water savings will be determined due to drought management measures. The TWDB will be providing a Drought Management Impact Estimating Tool that will be employed based on the RWPG's chosen drought reduction goal.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 21,000	All Municipal WUGs with Needs in 2020	Yes - updated GPCDs for some WUGs, updated Needs, and use of TWDB information where possible	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X							L	**5B**	4	Edwards Transfers	For WUGs in which a major source of water is Edwards Aquifer groundwater and their most logical strategy is acquisition of additional Edwards Aquifer groundwater supplies, Region L will investigate the sale or lease of Edwards Aquifer groundwater between willing buyers and willing sellers to meet the Needs of each WUG.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 15,000	WUGs dependent on Edwards Aquifer supplies	Yes - updated availabilities (yields) for all counties, decades, and costs.	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X							L	**5B**	5	Fresh Groundwater Development	Region L will evaluate strategies that involve development of groundwater (freshwater). Region L will estimate the treatment needs, number of wells, timing (decade), and cost associated with the addition of new groundwater capacity to meet each WUG's Needs.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 24,000	WUGs dependent on groundwater and WUGs interested in adding groundwater supplies	Yes - updated projects, decades, yields, costs, and combining groundwater development WMSs into this WMS, such as Martindale WSC Alluvial Well, Maxwell SUD Trinity Well, and County Line SUD Trinity Well Field.	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
		X	X							L	**5B**	6	Brackish Groundwater Development	Region L will evaluate strategies that involve development of brackish groundwater. Region L will estimate the treatment needs, number of wells, timing (decade), brine concentrate management and cost associated with the addition of new groundwater capacity to meet each WUG's Needs.	Engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 18,000	WUGs dependent on groundwater and WUGs interested in adding brackish groundwater supplies	Yes - updated projects, decades, yields, costs, and combining groundwater development WMSs into this WMS, such as SS WSC Brackish Carrizo-Wilcox Groundwater Project and County Line SUD Brackish Edwards Project.	February 14, 2024, RWPG Meeting (6th Cycle)	No	No
			X							L	**5B**	7	Groundwater Conversions	Region L will investigate the sale or lease of groundwater between willing buyers and willing sellers to meet the Needs of each WUG.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 15,000	WUGs with groundwater as source and interested in buying or leasing groundwater	Yes - updated projects, decades, yields, and costs.	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes

Handout B
DRAFT Scope of Work for Task 5B
South Central Texas (Region L) Regional Water Planning Group

Strategy Type(s)																			
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	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	L	**5B**	8	Brush Management	Region L will investigate the use of brush management as a means to increase available surface and groundwater as a result of selective control of brush species that are detrimental to water conservation. Available reports will be reviewed to evaluate the WMS to determine potential yield, costs, and impacts to natural resources. The strategy will be considered for WUGs who request inclusion of brush management in the 2026 Plan, and possibly for County-Other in counties where Texas State Soil and Conservation Board funding is available.	Engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 6,000	Any WUG/WWP interested in adding brush management	Yes - new strategy	February 14, 2024, RWPG Meeting (6th Cycle)	No	No
						X				L	**5B**	9	Rainwater Harvesting	Region L will investigate the use of WUG-scale rainwater harvesting to meet Needs for certain WUGs. Rainwater harvesting is the collection, treatment, and use of stormwater runoff, typically from impermeable surfaces, such as roofs or paved surfaces. Available reports will be reviewed to evaluate the WMS to determine potential yield, costs, and impacts to natural resources. The strategy will be considered for WUGs who request inclusion of rainwater harvesting in the 2026 Plan.	Engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 6,000	Any WUG/WWP interested in adding rainwater harvesting	Yes - new strategy	February 14, 2024, RWPG Meeting (6th Cycle)	No	No
									X	L	**5B**	10	Surface Water Rights	The planning group is aware that existing surface water right permits/certificates of adjudication are acquired by WUGs within the Region L Planning Area. Once acquired, those water rights often require change in use type or diversion location. This Water Management Strategy serves as documentation of the planning group's acknowledgement of this, and seeks to facilitate that process with TCEQ.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 3,000	Any WUG/WWP interested in acquiring existing surface water rights	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
									X	L	**5B**	11	Balancing Storage	The planning group is aware that the use of existing surface water supplies/strategies sometimes requires balancing storage at the end of long transmission pipelines in order to keep the cost of transmission down, while allowing flexibility in the use of the water to meet peak month or peak day Needs. This Water Management Strategy serves as documentation of the planning group's acknowledgement of this, and seeks to facilitate the planning, permitting, design, and construction of Balancing (aka Terminal) Storage. Information will be gathered and documented in a Water Management Strategy evaluation.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 3,000	Any WUG/WWP interested in adding balancing storage	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
									X	L	**5B**	12	Facilities Expansion	Throughout the region, entities are looking for cost-effective ways to better utilize existing water availabilities and fully integrate multiple Water Management Strategies. Often, this takes the form of water treatment plant expansions, integration pipelines, or other facilitation strategies. The Facilities Expansion Water Management Strategy seeks to document these projects for use by the WUG. Region L will collect and document specific facility expansion information, including size or the expansion/ construction, amount of water that can be moved/treated, and construction cost information.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 21,000	Any WUG/WWP looking to expand facilities.	Yes - updated projects, yields, and costs	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
				X						L	**5B**	13	Recycled Water Strategies	Recycled Water (sometimes called Reuse or Reclaimed Water) is an ever-growing strategy in which a WUG uses its (or another entity's) treated effluent to meet future water Needs. This Water Management Strategy will be inclusive of direct and indirect reuse strategies to be used for both potable and non-potable Needs. The latest regulatory information will be documented, and a list of WUGs' recycled strategies will be developed. Specific size, quantity, customers, and cost information for each of the WUGs wishing to implement a recycle strategy will be gathered and assessed.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 21,000	Any WUG/WWP with a Reuse Strategy	Yes - updated projects, yields, and costs	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes

Handout B
DRAFT Scope of Work for Task 5B
South Central Texas (Region L) Regional Water Planning Group

Strategy Type(s)																			
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	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							L	**5B**	14	SAWS Expanded Local Carrizo Project	SAWS owns and operates a Carrizo Aquifer well field in Southern Bexar County. This strategy is the expansion of that Carrizo Aquifer supply by an additional 21,000 acft/yr. The strategy evaluation will include documentation of SAWS' latest plans, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts of the project, estimate of cost to develop the water supply, and documentation of the implementation considerations.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 12,000	San Antonio Water System	Yes - updated yields for each phase, updated decades and costs	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
		X	X							L	**5B**	15	SAWS Expanded Brackish Groundwater Projects	SAWS owns and operates a brackish Wilcox Aquifer well field in Southern Bexar County. This strategy is the expansion of that brackish Wilcox Aquifer supply by an additional 22,400 acft/yr in two phases. The strategy evaluation will include documentation of SAWS' latest plans, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts of the project, estimate of cost to develop the water supply, and documentation of the implementation considerations.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 9,000	San Antonio Water System	Yes, separated phases from 2021 Plan into a new WMS (SAWS Regional Wilcox Project)	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
		X	X							L	**5B**	16	SAWS Regional Wilcox Project	SAWS plans to develop brackish Wilcox groundwater of approximately 50,000 acft/yr in two phases beginning in the 2050 decade. The strategy evaluation will include documentation of SAWS' latest plans, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts of the project, estimate of cost to develop the water supply, and documentation of the implementation considerations.	Updated engineering & costing considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 9,000	San Antonio Water System	Yes, separated phases from 2021 Plan's SAWS Expanded Brackish Groundwater Projects	February 14, 2024, RWPG Meeting (6th Cycle)	No	Yes
			X							L	**5B**	17	ARWA Project (Phase 2)	ARWA plans to expand their groundwater well field service beyond their 15,000 acft/yr in Phase 1, to add additional supply of approximately 21,000 acft/yr within the 2030 decade. The strategy evaluation will include documentation of ARWA's latest plans, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts of the project, estimate of cost to develop the water supply, and documentation of the implementation considerations.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 9,000	ARWA, San Marcos, Kyle, Buda, CRWA	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
				X						L	**5B**	18	ARWA Project (Phase 3)	ARWA plans to develop a direct potable reuse project in the 2060 decade. The strategy evaluation will include documentation of ARWA's latest plans, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts of the project, estimate of cost to develop the water supply, and documentation of the implementation considerations.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 9,000	ARWA, San Marcos, Kyle, Buda, CRWA	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
X					X	X				L	**5B**	19	GBRA WaterSECURE	GBRA is combining two water management strategies from the 2021 Regional Water Plan and connecting them with a pipeline. The project will include up to 75,000 acft/yr of run-of-river diversions from the Guadalupe River near Gonzales, storage in the form of an off-channel reservoir and/or ASR, 175,501 acft/yr of run-of-river diversions from the Guadalupe River at the Saltwater Barrier, and a transmission pipeline from the Lower Basin to the Mid-Basin. This strategy seeks to deliver a total water supply of approximately 140,000 acft/yr to customers within the 2030 decade.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 24,000	GBRA and customers	Yes - combining 2 previous WMSs, updated decades and costs, updated water availability modeling	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes

Handout B
DRAFT Scope of Work for Task 5B
South Central Texas (Region L) Regional Water Planning Group

Strategy Type(s)																			
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	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				L	**5B**	20	GBRA Lower Basin New Appropriation	GBRA has a pending application at TCEQ for a new run-of-river diversion from the Guadalupe River at the Saltwater Barrier and associated off-channel storage.	Documentation of project concept & decade of implementation, evaluation of firm supply provided by the surface water rights and the off-channel storage, assessment of the environmental impacts, costing consideration, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 18,000	GBRA and customers	Yes - updated water availability modeling, decades, and costs	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X							L	**5B**	21	CRWA Wells Ranch (Phase 3)	This strategy seeks to expand CRWA's Wells Ranch project in Gonzales and Guadalupe Counties by adding an additional 14,000 acft/yr of treated groundwater in the 2020 decade.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 12,000	CRWA and CRWA Members	Yes - updated yield, decades and costs	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
		X		X		X				L	**5B**	22	CRWA Siesta Project	CRWA owns water rights and lease agreements for surface water along Cibolo Creek. In addition, CRWA has MOUs in place for treated effluent discharges with SARA and CCMA. In addition, CRWA has been discussing a MOU with Green Valley SUD for treated effluent discharges as part of this project. This strategy seeks to develop a firm water supply project in the 2060 decade of approximately 5,000 acft/yr from the surface water rights, backed up with the treated effluent discharges.	Updated engineering & costing considerations, evaluation of the surface water rights reliability and availability of project treated effluent discharges, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 21,000	CRWA and CRWA Members	Yes - Updated water availability modeling	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
		X	X							L	**5B**	23	CRWA Expanded Brackish Carrizo-Wilcox Project	The CRWA Expanded Brackish Carrizo-Wilcox Project includes developing a brackish groundwater supply from the Carrizo-Wilcox Aquifer in Guadalupe and Wilson counties for members of CRWA with service areas in Bexar, Guadalupe, and Wilson counties. The project is designed to produce an annual water supply of 14,700 acft/yr.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB22 interface.	$ 12,000	CRWA and CRWA Members	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X							L	**5B**	24	CVLGC Carrizo Project	CVLGC is in the process of developing a 10,000 acft/yr groundwater project from the Carrizo-Wilcox Aquifer in Wilson County to meet Needs for the cities of Cibolo and Schertz within the 2030 decade.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 12,000	CVLGC	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X							L	**5B**	25	SSLGC Expanded Carrizo Project	SSLGC owns and operates a Carrizo Aquifer well field in Gonzales County. This strategy is an expansion of the Carrizo Aquifer supply by developing an additional 6,000 acft/yr of Carrizo-Wilcox Aquifer groundwater from Guadalupe County within the 2030 decade.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 12,000	SSLGC	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes

Handout B
DRAFT Scope of Work for Task 5B
South Central Texas (Region L) Regional Water Planning Group

Strategy Type(s)																				
ASR	Conservation/Drought Management	Groundwater Desal	Groundwater Dvlp	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	X							L	**5B**	26	SSLGC Expanded Brackish Wilcox Project	SSLGC owns and operates a Carrizo Aquifer well field in Gonzales County. This strategy is an expansion of the Carrizo Aquifer supply by developing an additional 5,000 acft/yr of treated brackish groundwater from the Carrizo-Wilcox Aquifer in Gonzales County within the 2030 decade.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 12,000	SSLGC	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
X										L	**5B**	27	NBU ASR	NBU is planning an ASR project that will provide a firm supply of approximately 10,000 acft/yr, implemented in the 2030 decade, that would store excess water supplies when available in the brackish portion of the Edwards Aquifer, for subsequent use during dry periods.	Updated engineering & costing considerations, evaluation of the source water reliability/availability and the water mass balance of the ASR system, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 15,000	NBU	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X							L	**5B**	28	NBU Trinity Well Field Expansion	NBU owns and operates Trinity Aquifer wells in Comal County. This strategy is the expansion of that Trinity Aquifer supply by 6,720 acft/yr within the 2030 decade.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project in accordance with the MAG, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 12,000	NBU	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
X										L	**5B**	29	City of Victoria ASR	Victoria is considering an ASR project, implemented in the 2030 decade, to store excess surface water flows (under their existing permits) in the Gulf Coast Aquifer for subsequent use during dry periods. The project has a firm yield of approximately 8,000 acft/yr.	Updated engineering & costing considerations, evaluation of the source water reliability/availability and the water mass balance of the ASR system, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 18,000	City of Victoria	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
			X				X	X		L	**5B**	30	City of Victoria Groundwater-Surface Water Exchange	Victoria owns junior surface water rights that can be curtailed during drought periods. In addition, Victoria owns Gulf Coast groundwater rights and facilities. This strategy allows Victoria to continue diverting surface water, even during drought, on the basis that they pump and discharge an equal amount of groundwater back to the Guadalupe River. In doing so, Victoria avoids having to flush their systems and change treatment process, thereby saving time and money.	Updated engineering & costing considerations, evaluation of the groundwater supply available to the project, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 9,000	City of Victoria	No	February 14, 2024, RWPG Meeting (6th Cycle)	Yes – Recommended WMS in 2021 Plan (Fifth Cycle)	Yes
									X	L	**5B**	31	Additional WMSs As Necessary	Region L would like to set aside funds for evaluation of up to four (4) undefined water management strategies that may be necessary for the development of the 2026 Region L Water Plan.	Engineering & costing considerations, review of the water availability, assessment of the environmental impacts, and documentation of the implementation considerations appropriate to meet requirements for the 6th cycle of planning; and corresponding data submittal through the DB27 interface.	$ 30,567	TBD	Unknown	February 14, 2024, RWPG Meeting (6th Cycle)	Unknown	Unknown
														REGION-SPECIFIC SUBTASKS TOTAL BUDGET		**$ 456,567**					