

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

TAKE NOTICE that a meeting of the South Central Texas Regional Water Planning Group (SCTRWPG) as established by the Texas Water Development Board will be held on Thursday, February 2, 2023 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=m7d3579ed3cf7d993fdae36736e14daa3>. The planning group members will consider and may take action regarding:

1. (9:30 AM) Roll-Call
2. Public Comment
3. Approval of the Minutes from the Previous Meeting of the South Central Texas Regional Water Planning Group (SCTRWPG)
4. Status Reports and Communications by TWDB
5. Status Reports and Communications Related to Regional Water Planning including reports by the Chair, Regional Liaisons, Groundwater Management Area Representatives, and Members of the Planning Group
6. Presentation by the San Antonio River Authority on the State Legislative Session
7. Discussion and Appropriate Action Regarding Filling the Existing Vacancies for Water Utilities and Electric Generating Utilities Interest Groups
8. Election of Officers for the 2023 SCTRWPG Executive Committee
9. Presentation by TWDB on Population and Municipal Demand Methodologies
10. Presentation by TWDB on the Overlap Between Regional Flood Planning and Regional Water Planning
11. Presentation by Technical Consultant for Schedule and Progress Updates
12. Discussion and Appropriate Action Regarding Recommendation for Feedback to TWDB on Non-Municipal Water Demands Data
13. Discussion and Appropriate Action Regarding the Establishment of Additional Subcommittees
14. Schedule and Potential Agenda Items for the Next Meeting of the SCTRWPG
15. Public Comment
16. Adjourn

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

AGENDA ITEM NO.3 – APPROVAL OF THE MINUTES FROM THE PREVIOUS MEETING OF THE SCTRWPG

**Minutes of the South Central Texas Regional Water Planning Group
November 3, 2022**

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

23 of the 29 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss	Robert Puente
John Byrum	Humberto Ramos
Curt Campbell	Blaine Schorp for Weldon Riggs
Debbie Farmer	Mitchell Sowards
Charlie Flatten	Roland Ruiz
Steve Graham	Jonathan Stinson
Tom Jungman	Terrell Graham
Russell Labus	Thomas Taggart
Glenn Lord	Ian Taylor
Scooter Mangold	Dianne Wassenich
Alan Burkland for Dan Meyer	Adam Yablonski
Travis Pruski	

Voting Members Absent:

Will Conley
Gary Middleton
Vanessa Puig Williams
Diane Savage
Darren Simmons
Vic Hilderbran

Non-Voting Members Present:

Elizabeth McCoy, Texas Water Development Board (TWDB)
Marty Kelly, TX Department of Parks and Wildlife
Jami McCool, TX Dept. of Agriculture
Ronald Fieseler, Region K Liaison

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

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. Kendall Hayes took roll call.

AGENDA ITEM NO.2: PUBLIC COMMENT

No public comments.

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

Mr. S. Graham motioned to approve the minutes from the previous meeting. Mr. Byrum seconded the motion, the motion passed.

AGENDA ITEM NO.4: DISCUSSION AND APPROPRIATE ACTION REGARDING FILLING THE EXISTING VACANCIES FOR INDUSTRIES, WATER UTILITIES, AND ELECTRIC GENERATING UTILITIES INTEREST GROUPS

Chair Andruss introduced Mr. Dan Yoxall as the nominee for the Industries interest group. He explained that the Executive Committee chose to forgo the interview as there was one nominee. Mr. Yoxall introduced himself to the RWPG.

Mr. Pruski motioned to seat Mr. Yoxall on the Region L Planning Group. Mr. Mangold seconded the motion, motion passed.

AGENDA ITEM NO.5: STATUS REPORTS AND COMMUNICATIONS RELATED TO REGIONAL WATER PLANNING INCLUDING REPORTS BY THE CHAIR, REGIONAL LIAISONS, GROUNDWATER MANAGEMENT AREA REPRESENTATIVES AND MEMBERS OF THE PLANNING GROUP

Chair Andruss provided an update on the existing vacancies. There was interest but no applications.

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

Ms. McCoy provided an update from TWDB. The updated contract Exhibit A scope of work and Exhibit C guidance document have been posted online on the 6th cycle planning page, under “Contract Documents”:

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

Discussion ensued regarding methodologies for feasible WMSs. Planning group members requested information on strategies to be used on Task 4B: Exhibit C, Section 2.11 (Identification of infeasible WMSs in the 2021 RWP).

AGENDA ITEM NO.7: PRESENTATION BY TECHNICAL CONSULTANT REGARDING RELEASED DRAFT DATA FROM TWDB

Ms. Lauren Gonzalez presented the conceptual schedule for Region L plan development. Her presentation is available online at www.regionltexas.org. Discussion ensued regarding the consideration of a potential drought worse than the drought on record and the incorporation of climate variability data in this cycle or future cycles. The RWPG tabled the matter pending more information to be provided from the upcoming Legislative Session.

Ms. Jaime Burke presented the irrigation and mining water demands projects and supporting data from TWDB.

AGENDA ITEM NO.8: DISCUSSION AND APPROPRIATE ACTION REGARDING THE ESTABLISHMENT OF ADDITIONAL SUBCOMMITTEES

No motion to create an additional subcommittee.

AGENDA ITEM NO.9: SCHEDULE 2023 SCTRWPG MEETINGS

The RWPG chose to keep the same schedule as 2022 and selected the first Thursday of February, May, August, and November. The 2023 SCTRWPG meeting dates will be February 2, 2023, May 4, 2023, August 3, 2023, and November 2, 2023.

AGENDA ITEM NO.10: SCHEDULE AND POTENTIAL AGENDA ITEMS FOR THE NEXT MEETING OF THE SCTRWPG

The RWPG expressed interest in a presentation from TWDB on population and municipal demand methodologies.

The next SCTRWPG meeting is scheduled for February 2, 2023, at 9:30 AM.

AGENDA ITEM NO.11: PUBLIC COMMENT

No public comments.

AGENDA ITEM NO.11: ADJOURN

Mr. Stinson motioned to adjourn. Mr. Taylor seconded the motion, motion passed.

AGENDA ITEM NO.4 – STATUS REPORTS AND COMMUNICATIONS BY TWDB

Region L TWDB Update 2-2-23

1. Supporting Data for Task 4B (Infeasible WMS & WMSP Analysis)

- Task 4B supporting data was sent to RWPGs on January 10

2. Interregional Planning Council

- Next meeting: March 9 in Austin, TX with virtual option to attend

3. New One-Pagers and Educational Materials

- Water Supply & Flood Mitigation Strategies
- Drought of Record
- Consistency Waivers
- <http://www.twdb.texas.gov/waterplanning/rwp/education/index.asp>

**AGENDA ITEM NO.6 – PRESENTATION BY THE SAN ANTONIO RIVER AUTHORITY ON THE STATE
LEGISLATIVE SESSION**



State Legislative Update

February 2, 2023



Committed to Safe, Clean, Enjoyable Creeks and Rivers.

Leadership Legislative Priorities

- \$32.1B surplus
 - Property tax relief
 - Infrastructure including transportation, water and broadband access



Senate Water, Agriculture and Rural Affairs Committee

- Charles Perry, Chairman
- Kelly Hancock, Vice Chair
- César Blanco
- Pete Flores
- Roland Gutierrez
- Nathan Johnson
- Lois Kolkhorst
- Kevin Sparks
- Drew Springer



House Water Caucus

- Elizabeth Campos (HD 119)
- Erin Zweiner (HD 45)
- Geanie W. Morrison (HD 30)
- Steve Allison (HD 121)
- Tracy King (HD 80)



Bill Filing

- 2540 bills filed as of 1/29
- Additional resources
 - Consultants tracking
 - TWCA legislative tracking
 - Open communication with local entities



Issues / Bills of Note

- SB 156 Regulation of Groundwater Districts
 - A court may, instead of shall, award attorney fees to a GCD
 - Provide a way to petition a GCD for rulemaking
 - Clarifies which DFC is to be included in a management plan if a DFC is petitioned or determined unreasonable
 - Provide notice to landowners of certain permit applications
- SB 296 Require TCEQ to obtain or develop updated water availability models for certain river basins
 - Guadalupe, Lavaca, Nueces, San Antonio, San Jacinto and Trinity
- SB 469 Relating to the eligibility of rural political subdivisions to receive certain financial assistance administered by the TWDB



Questions?



**AGENDA ITEM NO.7 – DISCUSSION AND APPROPRIATE ACTION REGARDING FILLING THE EXISTING
VACANCIES FOR WATER UTILITIES AND ELECTRIC GENERATING UTILITIES**

Includes: Nomination Forms for Water Utilities and Electric Utilities Vacancies

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

- ☐ **Water Utilities**
☒ **Electric Generating Utilities**

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 Code for the definitions of the interest categories represented on the SCTRWP.

NOMINATOR

NAME: Ryan M. Bayle, P.G.
ADDRESS: _____
PHONE: _____ **FAX:** N/A **EMAIL:** _____
OCCUPATION Environmental Manager - Luminant Generation Company, LLC

NOMINEE

NAME: Ryan M. Bayle, P.G.
ADDRESS: _____
PHONE: _____ **FAX:** N/A **EMAIL:** _____
INTEREST AREA: Electric Generating Utilities
COUNTY: Hays, Goliad and Victoria
OCCUPATION: Environmental Manager - Luminant Generation Company, LLC

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

See Attached Resume

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

Alternate voting member of Region C Regional Water Planning Group representing Electric Generating Utilities.

Alternate voting member of Region G Regional Water Planning Group representing Electric Generating Utilities.

DATE SUBMITTED: 01/06/2023

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Friday, January 6, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org

Ryan M. Bayle, P.G.
Luminant Generation Company LLC.
6555 Sierra Drive
Irving, Texas 75039

Education

West Texas A&M University, Bachelor of Science in Geology, August 1997

Professional Certifications

State of Texas Board of Professional Geoscientists, License Number 4884

Professional Experience

Luminant Generation Company LLC.

Irving, Texas

Environmental Manager, Corporate Environmental Services

June 1999 - Present

- Responsible for providing corporate support for day-to-day operations of the Luminant ERCOT fleet in order to maintain compliance with wastewater, storm water, potable water and solid waste regulations.
- Preparation and submittal of TPDES permit renewal applications for ERCOT fleet. Engage with TCEQ permit writers throughout the process culminating in final permit issuance.
- Ensure timely submittal of all monthly, quarterly, semi-annual and annual environmental reports.
- Corporate environmental liaison for TPDES, SWP3, PWS, SPCC and RCRA regulatory agency inspections.
- Manage >\$10M in water supply contracts for ERCOT fleet.
- Conduct internal “Compliance Assisted Visits” as part of a company self-audit program.
- Develop annual environmental budgets for facility management and corporate Environmental Services Department.
- Responsible for setting up contracts and service agreements with consultants and third-party contractors.
- Coauthored the Waste Disposal Guidance Manual, which set forth the company policies and regulatory requirements for handling and disposal of the most commonly generated industrial solid waste streams.
- Provided RCRA and Environmental Awareness training for corporate and facility personnel.
- Performance of due diligence for facility acquisition and divestiture.
- Oversaw the corporate Dam Safety Program from 2008 to 2016.
- Corporate representative to the Utility Water Act Group. Vice-chair of the NPDES/Nonpoint Source Committee.

ATC Associates, Inc.

Dallas, Texas

Environmental Scientist

June 1998 – June 1999

- Performance of Phase I and Phase II Environmental Site Assessments for real estate transactions.
- Remediation system design and installation.
- Performance of due diligence and site investigations for evaluation under the TCEQ Risk Reduction Rules and Leaking Petroleum Storage Tank Program
- Performance of due diligence and site investigations for evaluation under the LDEQ Underground Storage Tank Program
- Technical report generation documenting site investigation and remedial activities, as well as work plan and cost proposal development.

Eco-Logical Environmental Services, Inc.

Amarillo, Texas

Environmental Geologist

January 1997 – May 1998

- Project management of site delineation and remediation of mercury contamination in oil and gas properties. Responsibilities include supervision of all field activities and personnel, data management, site characterization, soil sampling, field screening utilizing a mercury vapor analyzer, excavation, profiling and manifesting of contaminated soils, and technical report generation.
- Performance of due diligence and site investigations for evaluation under the TCEQ Risk Reduction Rules, Voluntary Cleanup Program and Leaking Petroleum Storage Tank Program.
- Performance of Phase I and Phase II Environmental Site Assessments for real estate transactions.
- 24-hour emergency spill response team member which responded to multiple chemical spills.
- Technical report generation documenting site investigation and remedial activities, as well as work plan and cost proposal development.

PWI / WC Environmental Group

Amarillo, Texas

Environmental Geologist

November 1996 – January 1997

- Supervision of subsurface soil and groundwater investigation including drilling and sampling, soils characterization, monitor well installation and decommissioning, waste management and disposal and technical report generation.
- Performance of site investigations and sampling under the TCEQ Leaking Petroleum Storage Tank Program.

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

- ☒ **Water Utilities**
☐ **Electric Generating Utilities**

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 Code for the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: Schertz/Seguin Local Government Corporation
ADDRESS: 108 W. Mountain Street Seguin, Texas 78155
PHONE: _____ **FAX:** _____ **EMAIL:** _____
OCCUPATION Board of Directors

NOMINEE

NAME: Andrew McBride
ADDRESS: 108 W. Mountain Street Seguin, Texas 78155
PHONE: _____ **FAX:** _____ **EMAIL:** _____
INTEREST AREA: Water Utilities
COUNTY: Gonzales, Guadalupe, Bexar, Comal
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):

Mr. McBride has over twenty years of experience in managing and operating water/wastewater facilities in Texas. He holds a Master of Science in Environmental Management and has obtained the highest levels of water and wastewater operator licensing in the state. During his career, McBride has served on several industry-related committees and has presented at various seminars and conferences.

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

Long standing memberships in both the American Water Works Association (AWWA) and the Water Environment Federation (WEF) and their respective state associations (TAWWA and WEAT).

DATE SUBMITTED: December 19, 2022

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Friday, January 6, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org

SCHERTZ/SEGUIN LOCAL GOVERNMENT CORPORATION
STATE OF TEXAS
COUNTY OF GUADALUPE

**A RESOLUTION NOMINATING ANDREW MCBRIDE TO BE CONSIDERED TO FILL THE
VOTING MEMBER VACANCY IN THE WATER UTILITIES INTEREST AREA ON THE
SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (REGION L)**

WHEREAS, the Schertz/Seguin Local Government Corporation Board desires to nominate Andrew McBride, for the Water Utilities vacancy on the South Central Texas Regional Water Planning Group (Region L): and


WHEREAS, the Schertz/Seguin Local Government Corporation Board recognizes that Andrew McBride has the qualifications and would accept the vacant position.

**NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE
SCHERTZ/SEGUIN LOCAL GOVERNMENT CORPORATION:**

That Andrew McBride be nominated to be considered to fill the voting member vacancy in the Water Utilities interest area on the South Central Texas Regional Water Planning Group (Region L).

Passed and approved this the 15th day of December, 2022.

Attest:

 v.p.
~~Dudley Wait, President~~
Robin Dwyer, Vice President


Jack Hamlett, Secretary

OR

Richard Dziewit, Assistant Secretary

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

- ☒ **Water Utilities**
☐ **Electric Generating Utilities**

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 Code for the definitions of the interest categories represented on the SCTRWPG.

NOMINATOR

NAME: Larry Dovalina
ADDRESS: 202 South Main Street Cotulla Texas 78014
PHONE: 0 2 6 FAX: _____ EMAIL: _____
OCCUPATION: City Administrator City of Cotulla

NOMINEE

NAME: David Wright
ADDRESS: [REDACTED]
PHONE: _____ FAX: _____ EMAIL: _____
INTEREST AREA: Water Utilities
COUNTY: La Salle County
OCCUPATION: Assistant City Administrator City of Cotulla

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

With 12 years of public service in the water and wastewater industries, Mr. Wright has accomplished many tasks and achievements. Mr. Wright has completed and graduated from the Texas State University Certified Public Manager program. He has also achieved Water and wastewater operations licensing from the Texas Commission of Environmental Quality. Mr. Wright is also Vice president of the Texas Water Utilities Accessions Winter Garden District. Mr. Wright is also the Emergency Manager for the City of Cotulla. From the University of Texas, he has completed the Local Government Project Procedures Qualifications course. In Mr. Wright's Career in public service, he has Managed 16 water and wastewater projects. Mr. Wright is familiar with all aspects of project implementation, from acquiring funds to working with Engineering firms for plan review, procurement, bid opening, stakeholder knowledge, approvals, inspection of construction, and construction management.

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

Resume attached

DATE SUBMITTED: 12/14/2022

PLEASE ATTACH ADDITIONAL INFORMATION IF DESIRED

Nominations must be received by **5:00 p.m., Friday, January 6, 2023**, addressed to Tim Andruss, Chair, South Central Texas RWPG, c/o San Antonio River Authority, Attn: Caye Castillo, 201 W. Sheridan St., San Antonio, Texas 78204 or email to ccastillo@sariverauthority.org



DAVID WRIGHT



Cotulla, TX 78014

Summary

With 12 years of public service in the water and wastewater industries, Mr. Wright has accomplished many tasks and achievements. Mr. Wright has completed and graduated from the Texas State University Certified Public Manager program. He has also achieved Water and wastewater operations licensing from the Texas Commission of Environmental Quality. Mr. Wright is also Vice president of the Texas Water Utilities Accessions Winter Garden District. Mr. Wright is also the Emergency Manager for the City of Cotulla. From the University of Texas, he has completed the Local Government Project Procedures Qualifications course. In Mr. Wright's Career in public service, he has Managed 16 water and wastewater projects. Mr. Wright is familiar with all aspects of project implementation, from acquiring funds to working with Engineering firms for plan review, procurement, bid opening, stakeholder knowledge, approvals, inspection of construction, and construction management.

Skills

- SCADA Operations Knowledge
 - TCEQ & EPA Regulations Understanding
 - Analytical Decision Making
 - Adaptability
 - Trustworthiness
 - Leadership and Task/Assignment Delegation
 - Daily Operations Supervision
 - Report Writing
 - Computer Skills
 - Training & Development
 - Budget Development and Control
 - Good Work Ethic
 - Organizational Skills
 - Reliable
 - Microsoft Office
 - Customer Service
 - People Skills
 - Friendly, Positive Attitude
 - Flexible Schedule
 - Conflict Resolution
 - Problem Resolution
 - Work Flow Planning
 - Cost Reduction and Containment
 - Purchasing and Procurement
 - Budgeting, cost reduction, and revenue
 - Detail Oriented
- Staff Management and group collaboration
 - Stakeholder Relations
 - Project Management
 - Decision Making
 - Department Oversight
 - Recruitment and Hiring
 - Subject Matter Expertise
 - Municipal Process Management
 - Codes Knowledge
 - Staff Scheduling
 - Employee Motivation
 - Mathematical Calculation and Reasoning
 - Quality Assurance
 - Goal Setting
 - Training Management
 - Originality and Creativity
 - Resource Allocation
 - Operations Oversight
 - Problem Anticipation and Resolution
 - Purchasing Leadership
 - Capital Spending
 - Inventory Tracking and Management
 - Maintenance Procedures
 - Heavy Equipment Operation
 - Critical Thinking
 - Utilities Location

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SAVE & NEXT

City of Cotulla | Cotulla, TX
Emergency Management Director
02/2021 - Current

- Developed and deepened relationships with local municipalities, county departments and city agencies to facilitate smooth planning and coordination of emergency response.
- Stayed up to date on federal, state and local regulations governing emergency response plans.
- Communicated departmental, organizational and industry information to staff to help each person better carry out organizational goals.
- Inspected emergency facilities and equipment to maintain optimal functional capabilities in emergency situations.
- Worked successfully with diverse group of coworkers to accomplish goals and address issues related to our products and services.

City Of Cotulla | Cotulla, TX
Utility Director
03/2013 - Current

- Assessed work performance for each employee within department, providing constructive criticism regarding handling of job tasks.
- Planned and directed work for team of 12 responsible for maintenance programs.
- Managed, developed and executed departmental vision, goals, objectives and priorities.
- Directed capital projects and oversaw implementation of capital programs.
- Recruited and interviewed prospective hires by asking questions about backgrounds, skills and experience.
- Resolved issues with diplomacy and discipline, employing active listening and effective communication skills.
- Presented information on long-range public works plans and projects to city council.
- Trained, managed and motivated employees to promote professional skill development.
- Motivated employees to share ideas and feedback.
- Assessed equipment before use and reported equipment issues to maintenance.
- Operated light and heavy-duty vehicles and equipment to complete assigned tasks.
- Read and interpreted blueprints to effectively plan and execute projects.
- Inspected and repaired lift station pumping equipment controls to maintain efficient operations.
- Performed proper machine startup and shutdown procedures.
- Inspected machines and parts using precision and measuring tools.
- Scheduled routine, preventive and necessary machine maintenance, repair and inspections.
- Operated hand tools, drill presses, riveting machines and tap burners to safely produce projects.
- Collected samples to assess water quality and tested for pH, hardness and sediment levels.
- Used SCADA system to maintain appropriate levels.
- Performed water quality analysis testing and verification to ensure water was safe to drink.
- Sampled and tested wastewater, applied chemical dosing, received chemical shipments and performed wastewater plant preventive maintenance and minor corrective maintenance.
- Conducted laboratory and field tests to monitor water and investigate sources of pollution.
- Maintained control of equipment, supplies and vehicles used in water services.

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City of Cotulla | Cotulla, TX
**Water & Wastewater Treatment Plant
Operator**
03/2011 - 07/2012

- Recruited and interviewed prospective hires by asking questions about backgrounds, skills and experience.
- Resolved issues with diplomacy and discipline, employing active listening and effective communication skills.
- Presented information on long-range public works plans and projects to city council.
- Compared budgets against finished projects to determine spending levels.
- Fostered cooperative relationships with local agencies and citizen groups to gain buy-in.
- Motivated employees to share ideas and feedback.
- Collected samples to assess water quality and tested for pH, hardness and sediment levels.
- Used SCADA system to maintain appropriate levels.
- Performed water quality analysis testing and verification to ensure water was safe to drink.
- Sampled and tested wastewater, applied chemical dosing, received chemical shipments and performed wastewater plant preventive maintenance and minor corrective maintenance.
- Conducted laboratory and field tests to monitor water and investigate sources of pollution.
- Handled customers' emergency needs to resolve water problems and resulting damages.
- Prepared field reports and performed process control analysis and verified compliance with local, state and federal operating regulations.
- Removed old, broken and unsafe water piping and fixtures with expert demolition skills.
- Monitored plant supervisory control and data acquisition system (SCADA), calibrated gauges, meters and controls and recorded readings for next shift.
- Handled chlorine offloading, cleaned wastewater collection, treatment and reclamation-related equipment and facilities and performed periodic building maintenance.
- Ran and operated regulators, diversion chambers, tide gates, pumps, sludge collecting treatment and disposal equipment, blowers, compressors, motors and oil purifying equipment.
- Developed and implemented programs for monitoring environmental pollution and water hazards.
- Analyzed sewage composition and clean water quality and periodically inspected chemical bulk storage tank levels, leakage warning systems and spill containment devices.

Emerald Expositions | Encinal, TX
Prison Custody Officer
09/2009 - 03/2011

- Inspected cells and conducted random searches of common areas.
- Monitored daily activities to identify and manage suspicious behavior, improper conduct and signs of conflict.
- Observed inmate behavior to prevent crime, escape attempts and other dangerous activities.
- Employed de-escalation techniques, verbal commands and physical and mechanical restraints to address unruly inmates.
- Detected potential threats and quickly defused conflicts.
- Maintained clear and open communications with facility areas to support safe operations.
- Informed inmates and visitors of rules, safety and security procedures and responsibilities.
- Supervised residents during meal distribution and intake, recreation time and work-site performance.

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12/2022

Completed coursework in

- Track 1 Personnel Administration
- Track 2 Managing For Quality
- Track 3 Organizational Communication
- Track 4 Public Finance
- Track 5 Improving public sector productivity
- Track 6 Information Systems for Managers
- Track 7 Applied Research for public Managers

Gas And Safety Training Institute | Corpus Christi, TX

Occupational Training Railroad Commission in Natural Gas Operations

01/2021

- Completed professional development in
- Gas Meter Reading. 1/25/2021
- Gas Receiving & Dispatch Course 1/25/2021
- Customer Service 1 1/26/2021
- Customer Service 2 1/26/2022
- Pressure Testing & Odorization 1/27/2021
- Construction Job Safety 1/27/2021.
- Maintenance of Natural Gas Systems 1 1/27/2022
- Maintenance of Natural Gas Systems 2 1/28/2022
- Gas Operations Safety 1/25/2021

The University of Texas At Arlington | Arlington, TX

Local Government Project Procedures

04/2018

- Completed Professional Development
- Local Government Project Procedures Qualifications #63642.

Texas Water Utilities Association | Texas USA

Occupational License Issued By The TCEQ in Class C Water & Wastewater TCEQ License

04/2015

Completed professional development in.

- Customer Service Inspections. 7/08/2021
- Cross Connection Control. 7/08/2021
- Backflow Prevention Assembly Tester. 10/25/2019
- Water Utility Safety. 7/02/2015 12/07/2012
- Surface Water 2. 7/07/2022
- Advanced Water Technology. 09/17/2021
- Pumps and Pumping. 12/05/2018 7/21/2017
- Surface Water Production 1. 10/03/2018
- Water Utility Management. 7/19/2017
- Water Laboratory. 6/23/2017
- Water Distribution. 1/31/2013
- Groundwater Production. 8/23/2012
- Basic Waterworks Operations. 4/05/2012
- Wastewater Collections 9/20/2019 3/04/2015
- Basic Wastewater Operations 1/16/2014
- Wastewater Treatment. 3/04/15

Texas A&M Engineering Extension | San Antonio, TX

Training For Occupational Licenses in Water & Wastewater

- Completed professional development in.
- Customer Service Inspections. 1/15/2016
- Water Technology. 09/17/2021

Accomplishments

As the City of Cotulla's Utilities Director I facilitated and managed a variety of projects. My roll in the project management process included me recommending and making decisions throughout the processes. this included.

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- Cotulla new Water Well #8 2014-2016
- Cotulla New Water well #9 2017-2019
- 1.7 miles of water line to the Cotulla La Salle county Airport. 2020
- 1.7 miles of sewer gravity line to the Cotulla LaSalle county Airport 2022
- City of Cotulla 200,000 gallon elevated storage tank 2022
- Kemosabe lift station Project 2014
- Cotulla Main Street lift station project 2014
- Poole Street 8" water line project 2020-2022
- Poole Street Gas line project 2020-2021
- Poole street repaving project 2022
- Cotulla Emergency Generator project 2021- 2023
- Cotulla Waste Water Treatment Plant project 2022-2024
- Ortiz Street Drainage project 2022
- IH 35 gas line relocation project 2019



TEMPLATE



FORMATTING



COLOR



12/19/2022

David Wright
[REDACTED]

Cotulla Texas
78014

Mr. Prusik,

I am writing to inform you of the water utility company I own. I do business under my name David Wright and I currently have 2 Customers: UIRC Cotulla Border Patrol Station and La Salle Oilfield Services. My service provides utility services for these 2 companies. I run, operate, and maintain the utilities. I have been in business since 2014. Attached is the contact information for both entities I service.

Michael Aragon
Vice President of Facilities
UIRC
[REDACTED]

La Salle Oilfield LLC
Lucy Pitman Owner
[REDACTED]

If there are any further questions, please feel free to contact me David Wright at 830-879-5772. Thanks.



David Wright CPM

**AGENDA ITEM NO.9 – PRESENTATION BY TWDB ON POPULATION AND MUNICIPAL DEMAND
METHODOLOGIES**

Population and Municipal Water Demand Projections for the 2026 Regional Water Plans

Katie Dahlberg
Manager, Projections & Socioeconomic Analysis
Water Supply Planning

February 2, 2023
Region L South Central Texas Planning Group Meeting

Agenda

- Projections Timeline
- Municipal Water User Groups Definition
- Population Projections Overview
- Gallons per Capita per Day
- Plumbing Code Savings
- Municipal Demand Projections



Remaining Projections Timeline

Draft Water Demand Projections	Timeline
Draft livestock, manufacturing, and steam-electric power water demand projections	January 20, 2022
Draft irrigation and mining demand water demand projections	August 23, 2022
Population projections, baseline GPCD, plumbing code savings projections, municipal demand projections + municipal basin split percentages	January 23, 2023
DUE: RWPGs request revisions for non-municipal demand projections	July 14, 2023
DUE: RWPGs request revisions for population and municipal demand projections	August 11, 2023
TWDB Board Meeting to Adopt Projections	Fall 2023
DUE: Technical Memorandum	March 4, 2024

Water User Groups

- Municipal WUGs: utility water use of 100 acre-feet or more
 - 31 TAC § 357.10(43)
- WUGs in the 2021 RWPs were carried over
- All new WUGs were evaluated based on utility water use from 2015-2019
- RWPGs reviewed the WUG list in July 2022
- 144 municipal WUGs in Region L

Population Projections by County

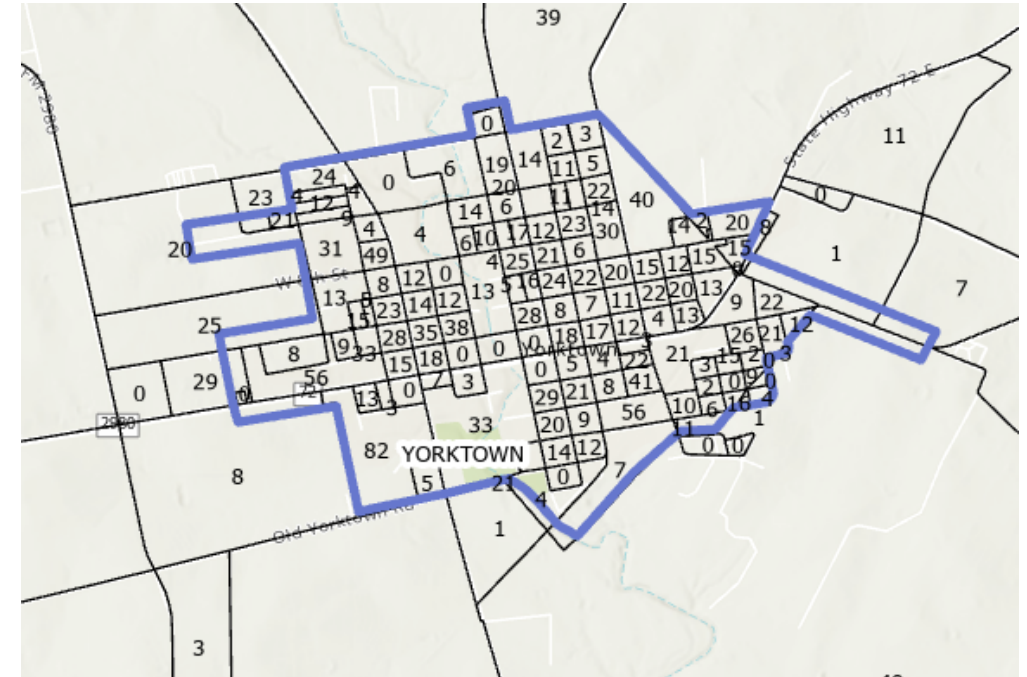
- Based on Texas Demographic Center's county-level projections
- Cohort component method
 - Age/sex/race/ethnicity
 - Birth rates, death rates, migration rates
- 2 migration scenarios: full-migration & half-migration 2010-2020
- 2030-2060
- TDC projections are online: <https://demographics.texas.gov/Data/TPEPP/Projections/>

Population Projections: TWDB Methodology

- Difference this planning cycle: if a county's population is projected by TDC to decline, then the TWDB's county population projections will also decline
- TWDB draft projections
 - Extended 2070-2080 both scenarios
 - Use the full-migration scenario to sub-allocate to WUGs
- Population projections: 2030 - 2080

Historical Population by WUG

- Permanent resident population
- Developed 2010 & 2020 population
 - Census Blocks
 - WUG Boundary
- Annual population estimates
- Reviewed historical population growth rate to develop projections



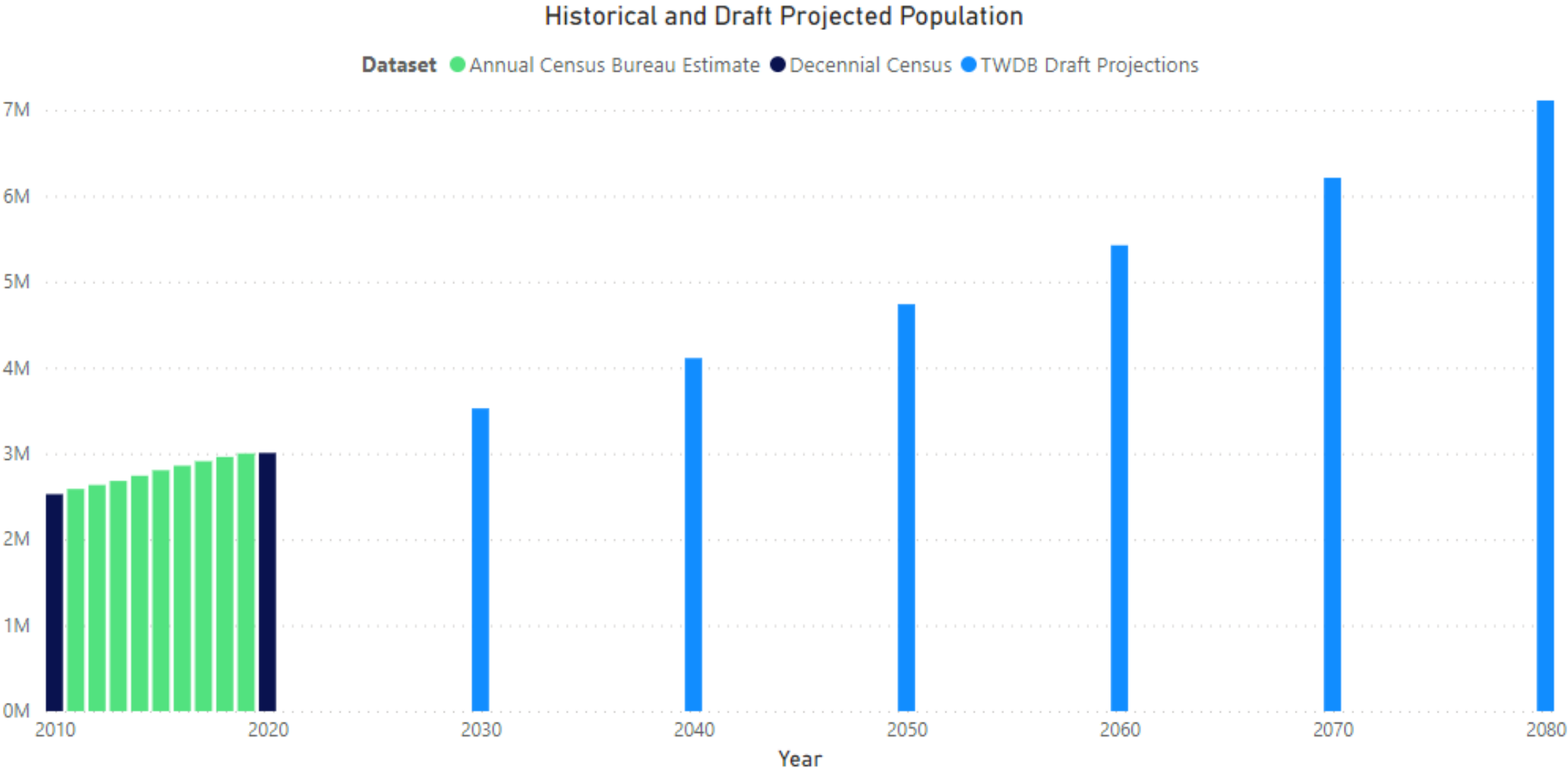
Population Projections by WUG

- Sub-allocate to WUGs
- WUG's historical (2010 to 2020) share of the county's growth,
- WUG's 2020 share of the region-county's 2020 population applied each decade.
- Constant population: military bases, universities, primarily group quarter population.
- Buildout: WUGs with buildout in the 2021 RWPs were held constant at or near their buildout population from the previous planning cycle.

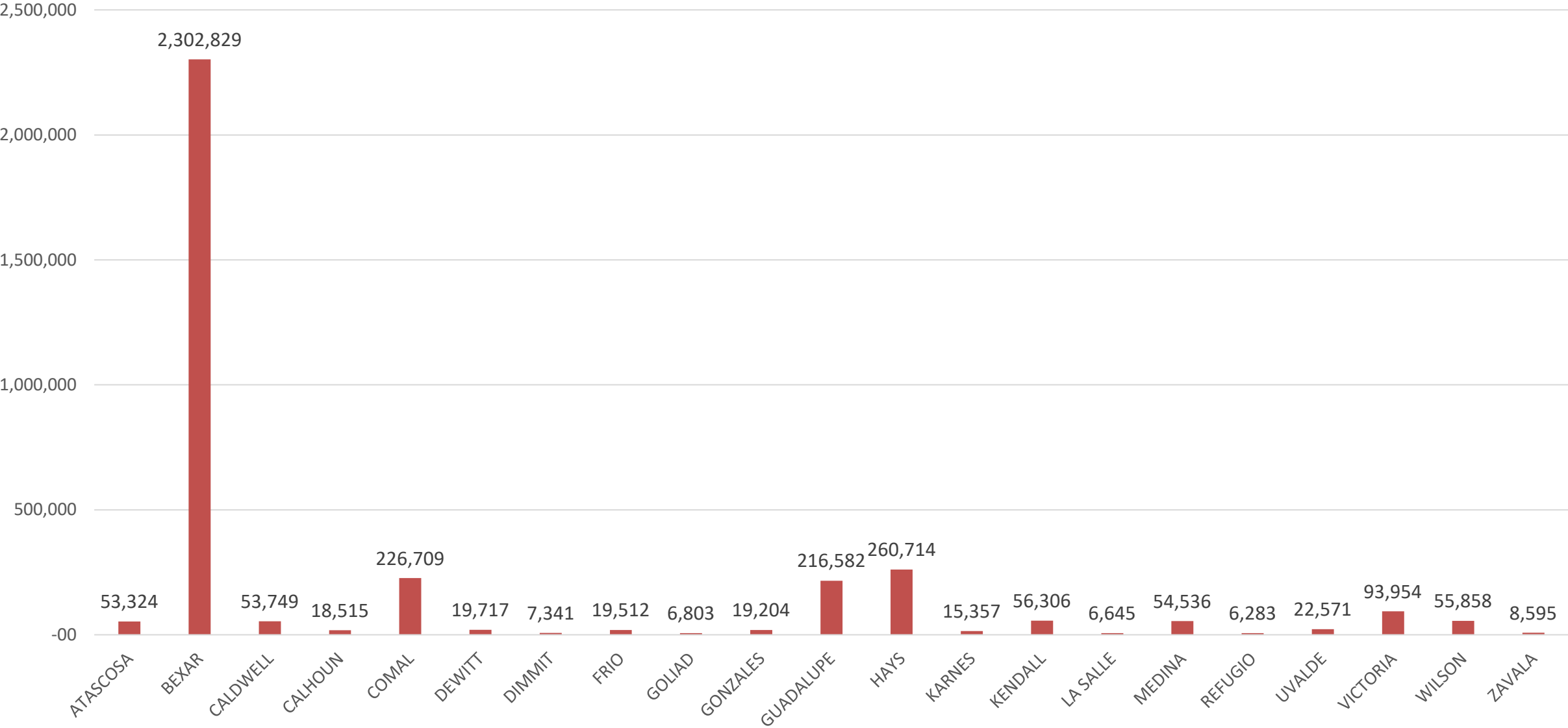
Population Projections

- TWDB provided:
 - Region-County projections 2030-2080: two migration scenarios
 - WUG projections 2030-2080: only full-migration scenario
- RWPGs have the option to revise to use half-migration scenario

Region L – Draft Population Projections



Draft Population Projections by County: 2030



Municipal Demand Projections: GPCD

- Gallons per Capita Daily
- Baseline GPCD = dry-year
- Municipal water use
 - Residential
 - CII (commercial, institutional, light industrial)
- Water sources: groundwater + surface water
 - Water Use Survey

Municipal Demand Projections: Baseline GPCD

- Baseline GPCD
- Draft: carry over 2021 RWP WUG GPCD
- Minus plumbing code savings already implemented
- Account for passive savings between historical and projected (2030)
- New WUGs draft: 2018

Municipal Demand Projections: Baseline GPCD

- Example draft baseline GPCDs

2027 Entity Name	Gallons per person per day					
	GPCD SWP22	SWP22 GPCD represents Year	PC Savings 2020 in SWP22	2010-2020 Per Year Savings	GPCD minus Savings Accrued	New Baseline GPCD (draft) for 2026 RWP
GUADALUPE-BLANCO RIVER AUTHORITY	82	2011	9.8	1.0	8.8	73
CRYSTAL CLEAR SUD	138	2011	9.6	1.0	8.7	129
ALAMO HEIGHTS	255	2011	10.6	1.1	9.6	245
ATASCOSA RURAL WSC	122	2011	8.8	0.9	7.9	114
BENTON CITY WSC	104	2011	7.5	0.8	6.8	97
BIG WELLS	152	2011	10.2	1.0	9.2	143

- TWDB provided historical GPCDs for RWPGs to review and potentially revise

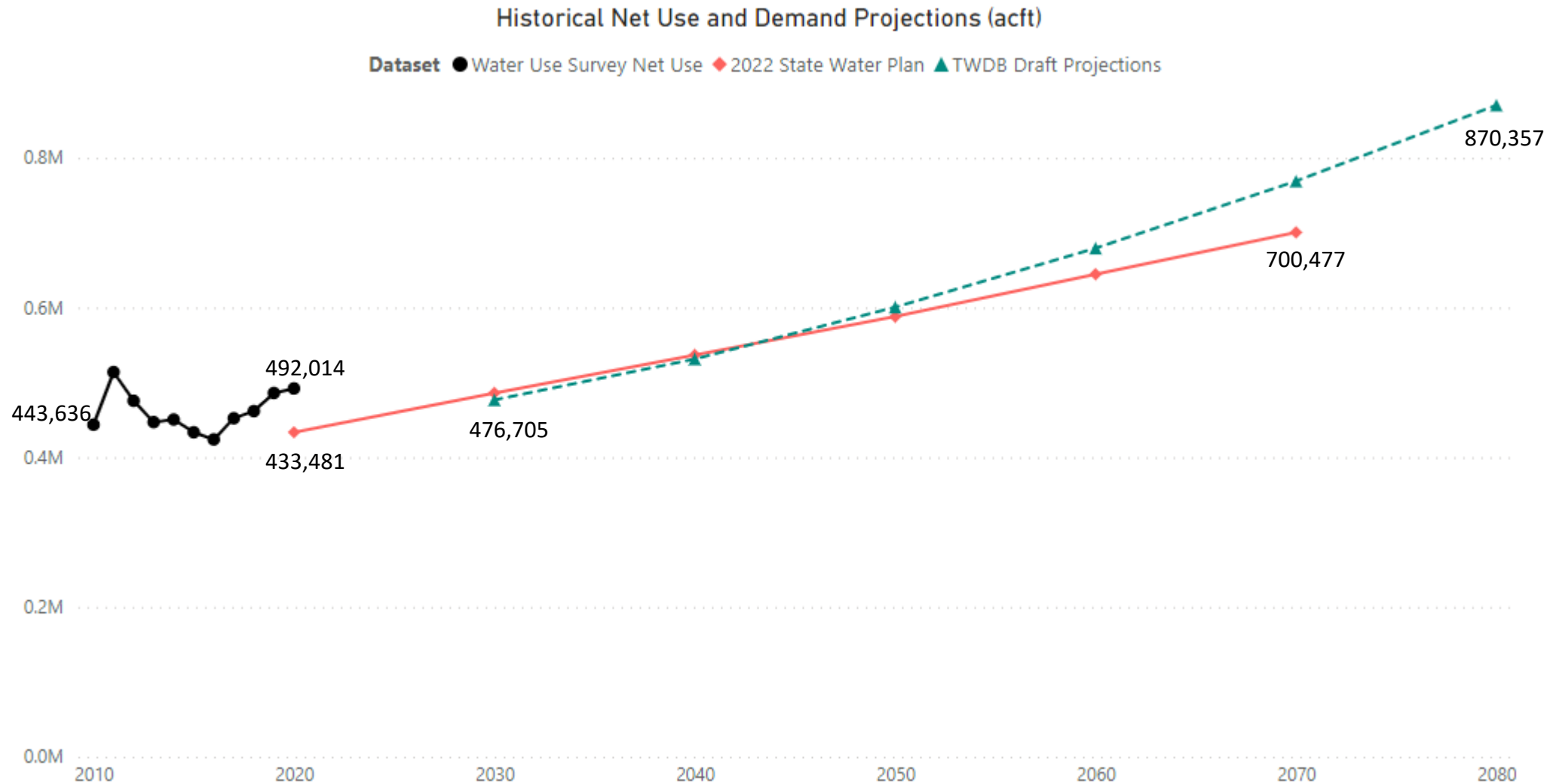
Municipal Demand Projections: Plumbing Code Savings

- Projected plumbing code savings
- Update this planning cycle
- Residential:
 - Toilets
 - Showerheads
 - Clothes washers
- Commercial toilet and urinal water efficiency savings
- 2030 – 2080

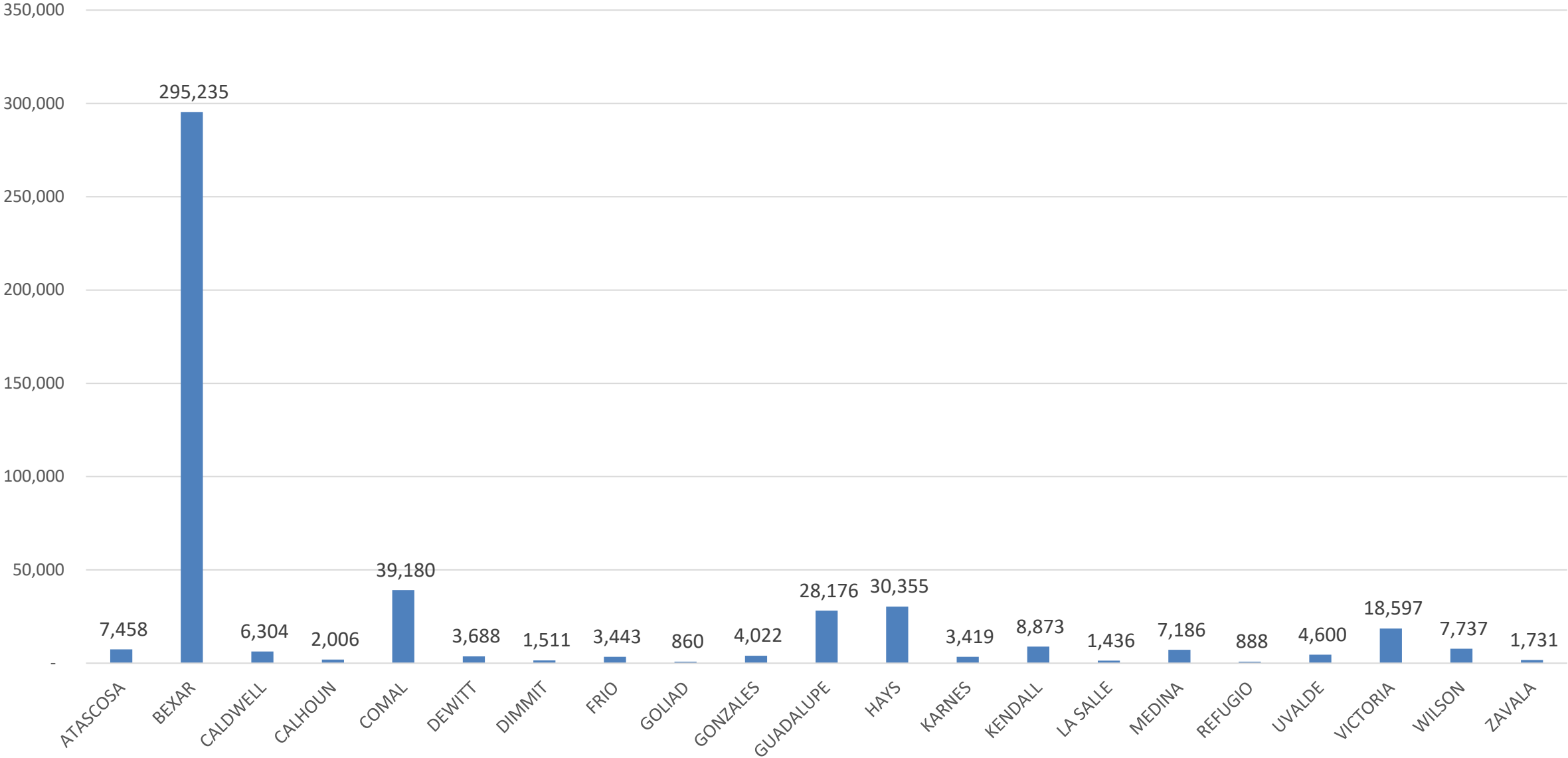
Municipal Demand Projections

$$\text{Projected Demand} = (\text{Population} * (\text{GPCD}_{\text{base}} - \text{PC Savings}) * 365) / 325,851$$

Region L - Municipal Water Demand Projections



Draft Municipal Water Demand Projections (acft) by County: 2030



Questions?

Contact:

Katie Dahlberg

katie.dahlberg@twdb.texas.gov

512-463-2449

Stay connected:



**AGENDA ITEM NO.10 – PRESENTATION BY TWDB ON THE OVERLAP BETWEEN REGIONAL FLOOD
PLANNING AND REGIONAL WATER PLANNING**

TWDB's Texas-sized Flood Planning Initiative

Region L - South Central Texas Regional Water Planning Group

San Antonio, Texas

February 2, 2023

James Bronikowski, PE, CFM

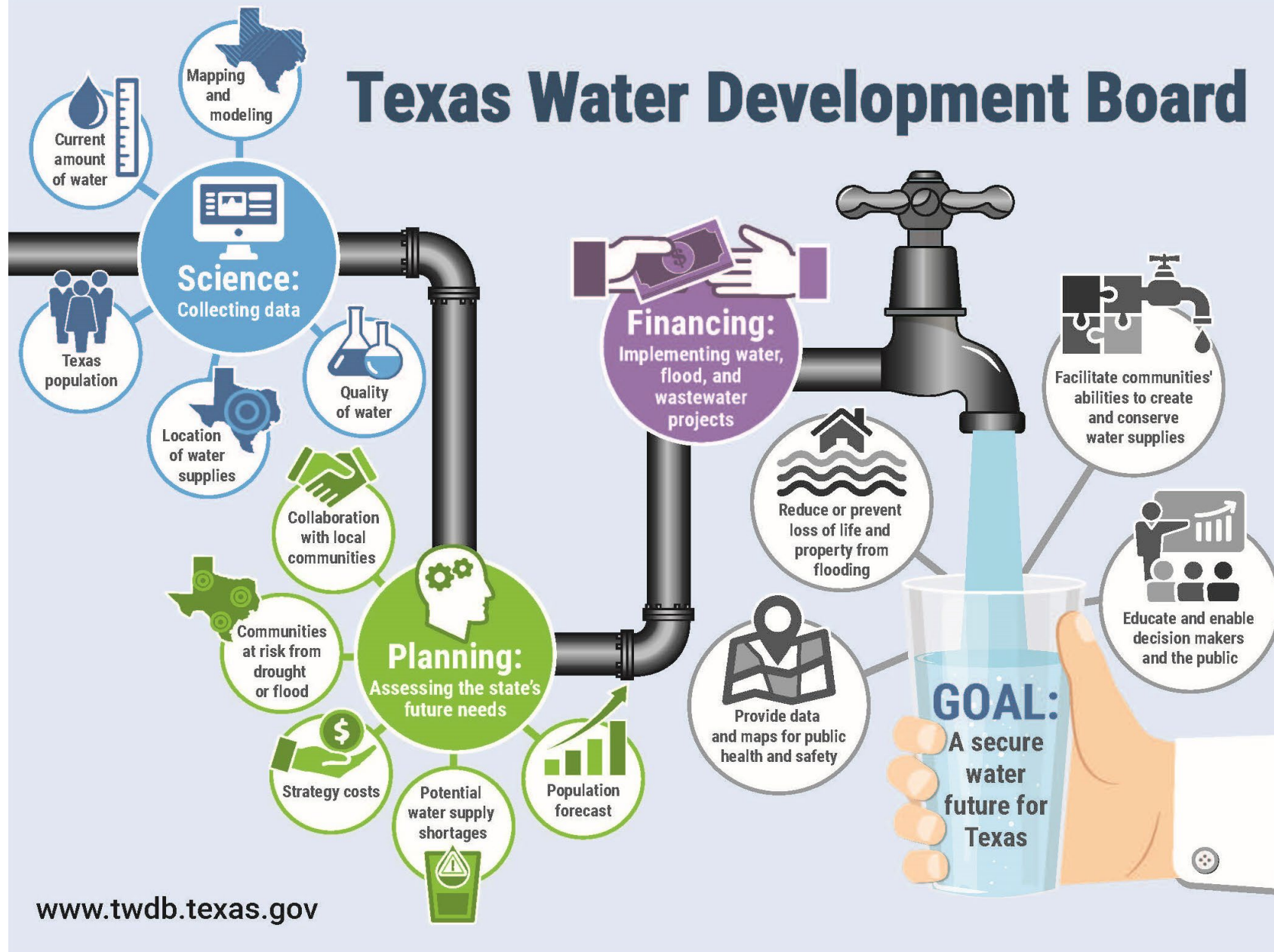
Manager, Regional Flood Planning

TWDB

This presentation was modified from a previous presentation given by Reem Zoun, PE, CFM



Texas Water Development Board



Flood Planning Efforts Update

About Regional Flood Planning

- First-of-its-kind statewide flood plan
- Watershed-based planning regions
- Bottom-up approach to flood planning
- Transparent process with public input
 - *Over **440 RFPG** meetings held since October 2020*
- Volunteer members representing interest categories
 - *Over **600** nominations received for initial 180 voting positions*



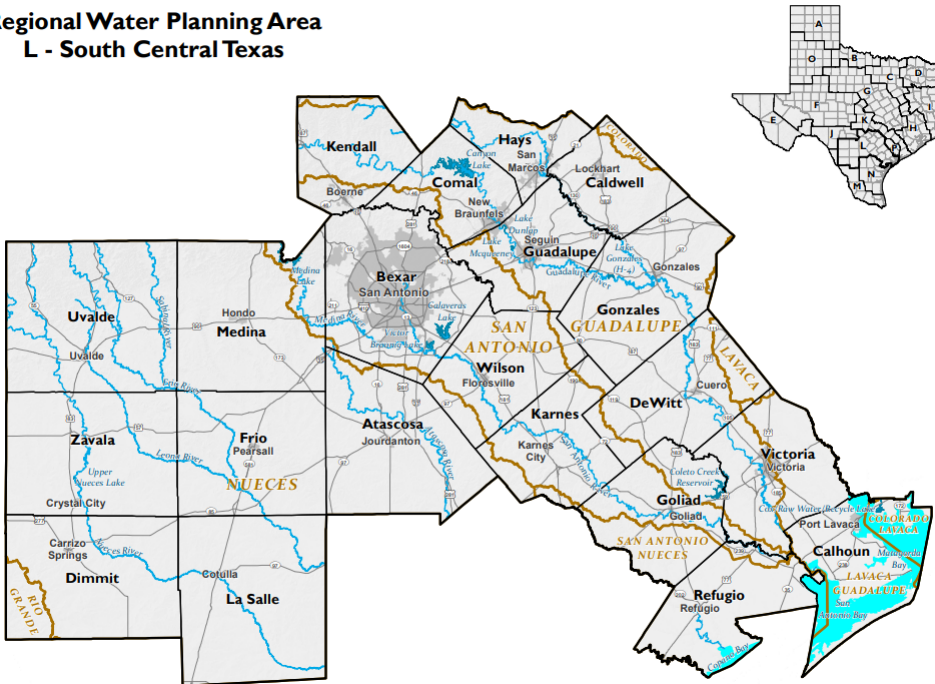
Find your RFPG Information, Meeting Schedules & Important Documents here:

<https://www.twdb.texas.gov/flood/planning/index.asp>

Regional Water Planning as a model

Regional and State Flood Planning programs inspired by success of existing Regional and State Water Planning programs

Regional Water Planning Area
L - South Central Texas



Similarities

- 5 year cycle
- Regional representation
- Interest categories

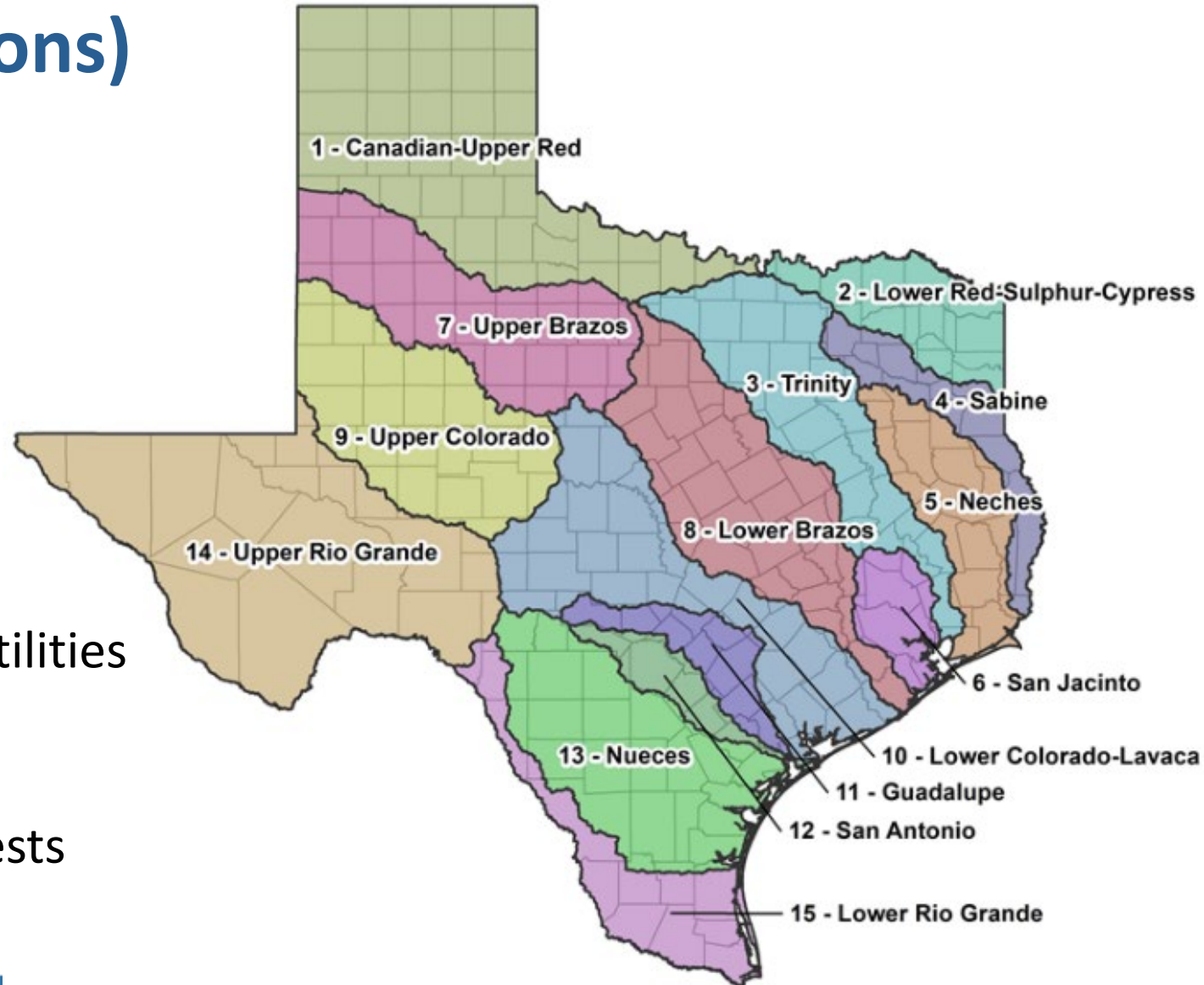
Differences

- Major river basin boundaries
- Significant GIS content

Regional flood planning groups (15 regions)

Voting members

1. Agricultural interests
2. Industries
3. River authorities
4. Counties
5. Municipalities
6. Water districts
7. Flood districts
8. Electric generating utilities
9. Public
10. Water utilities
11. Environmental interests
12. Small businesses



Non-voting Members

1. TWDB
2. GLO
3. TCEQ
4. TPWD
5. TDA
6. TSSWCB
7. TDEM

Summary of state and regional flood planning



Created by Andrejs Kirins
from Noun Project

Regional flood plans will identify flood risk and recommend evaluation needs, strategies, and projects within regions.



Created by Creative Stall
from Noun Project

The state flood plan will combine and summarize the regional plans and rank all recommended projects.

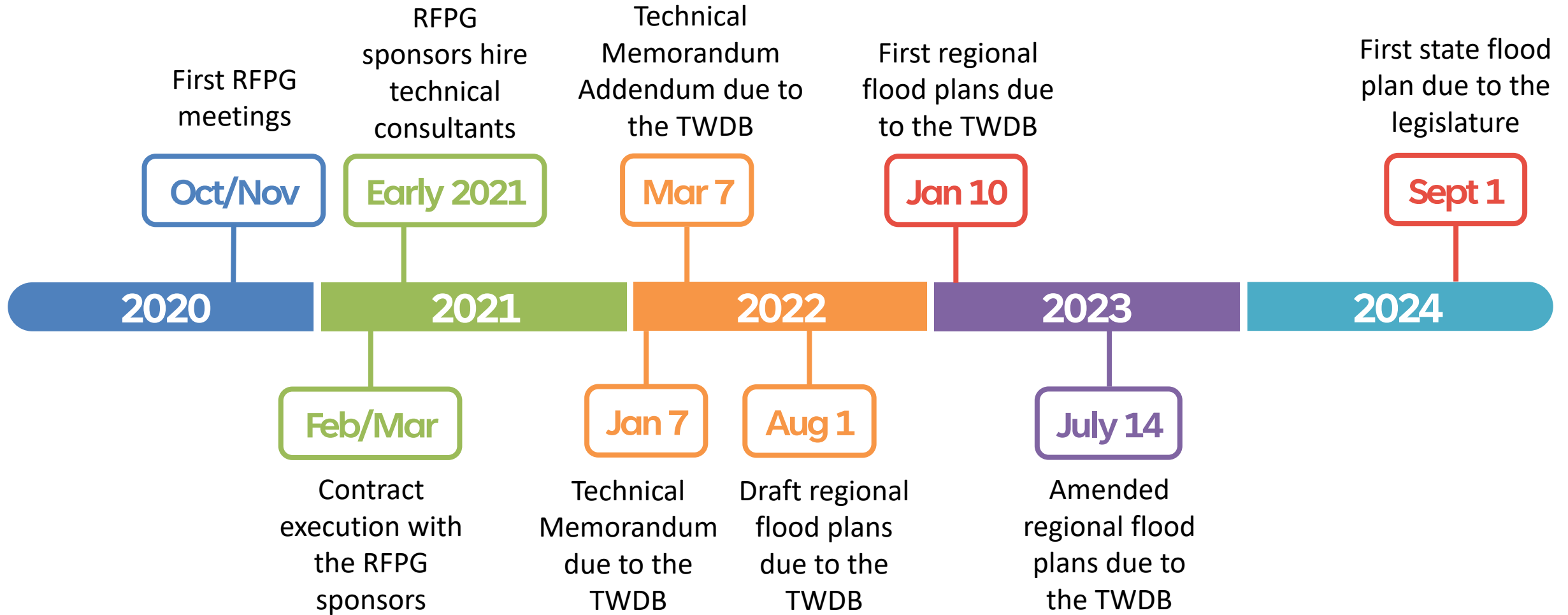


Created by Alice Design
from Noun Project

Future state financial assistance for flood projects will look to the state flood plan.

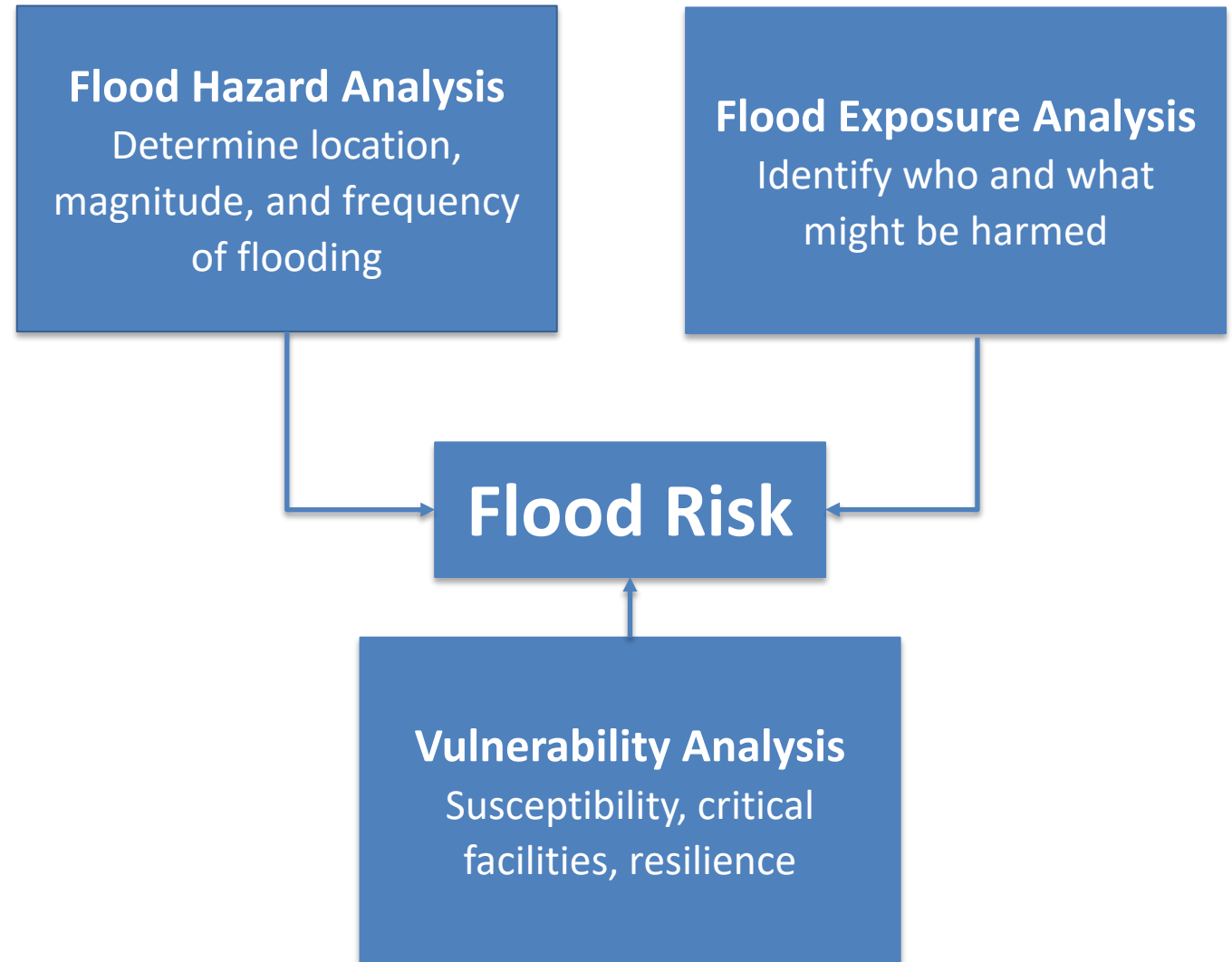
*Funding to implement projects can also come from local, federal, or other sources.

Regional and state flood planning timeline



Key regional flood planning tasks

- Identify specific flood risk →
- Set flood protection goals
- Identify and recommend flood mitigation studies and projects



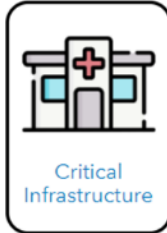
Flood Planning Data HUB

<https://twdb-flood-planning-resources-twdb.hub.arcgis.com/>

GIS Resources

Texas Flood Planning

The following GIS resources have been gathered to assist the Texas Regional Flood Planning Groups (RFPGs). Many of the referenced layers are intended for cartographic purposes. Before using layers for engineering or modeling, check the intended use on the original site.



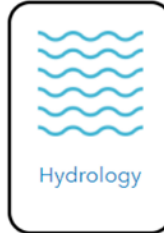
Critical Infrastructure



Flood Infrastructure



Flood Risk



Hydrology



Jurisdiction Boundaries



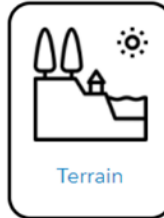
Parks



Population



Property



Terrain



Transportation

Critical Infrastructure

Hospitals, Schools, Fire Stations, Shelters, Electric and Gas Lines



Fire Stations (HIFLD)

Filtered for Texas.



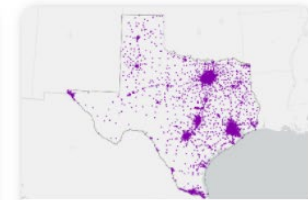
Hospitals (HIFLD)

Filtered for Texas.



National Shelter System (HIFLD)

Filtered for Texas



Schools (TEA)



Natural Gas Pipelines



Electric Power Transmission

Flood Planning requirements relevant to RWP

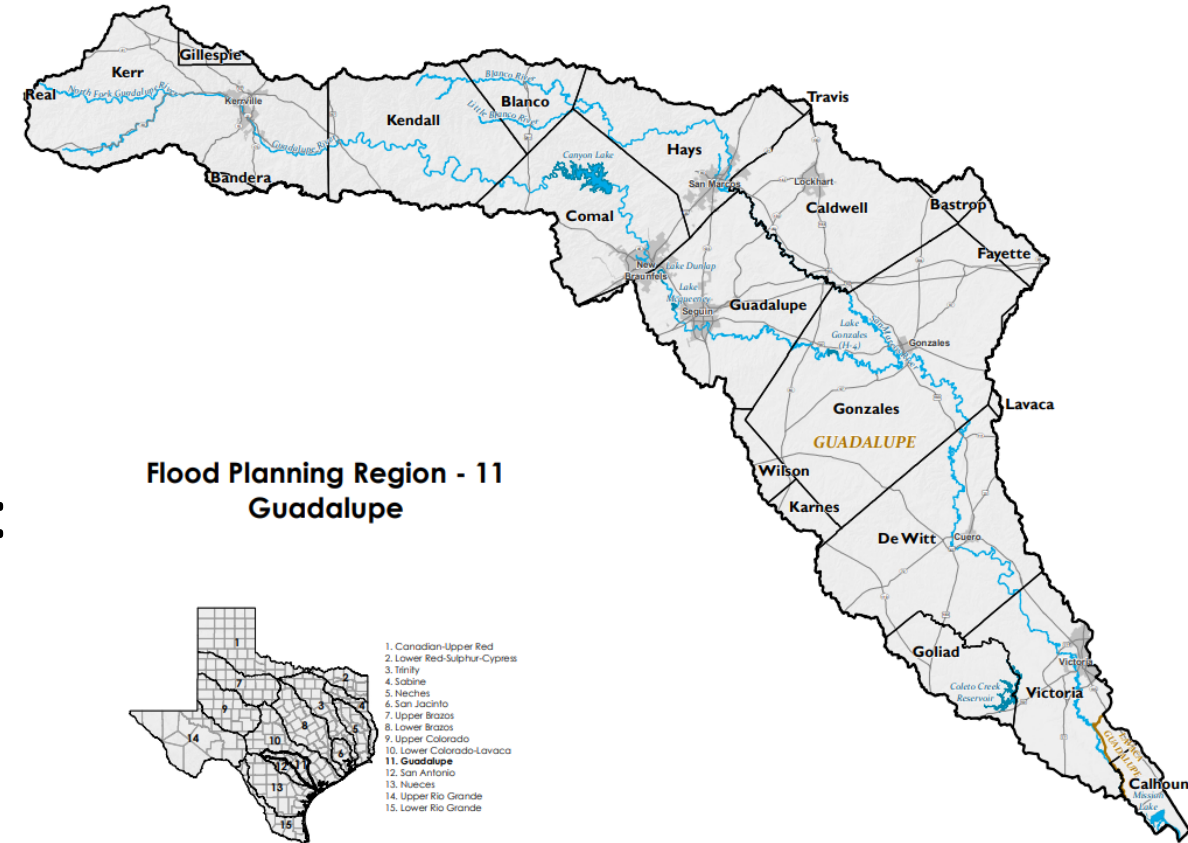
- Use of population projections from SWP
- Chapter devoted to impacts/effects on SWP
- Guidance Principles
 - Contribute to water supply development where possible
 - Follow all from regional and state water planning
 - Consider benefits of flood management strategies to water quality
 - Shall be in accordance with all existing water rights laws
 - Shall not cause long-term impairment to the designated water quality as shown in the state WQMP

Compilation of Regional Flood Planning Findings (DRAFT)

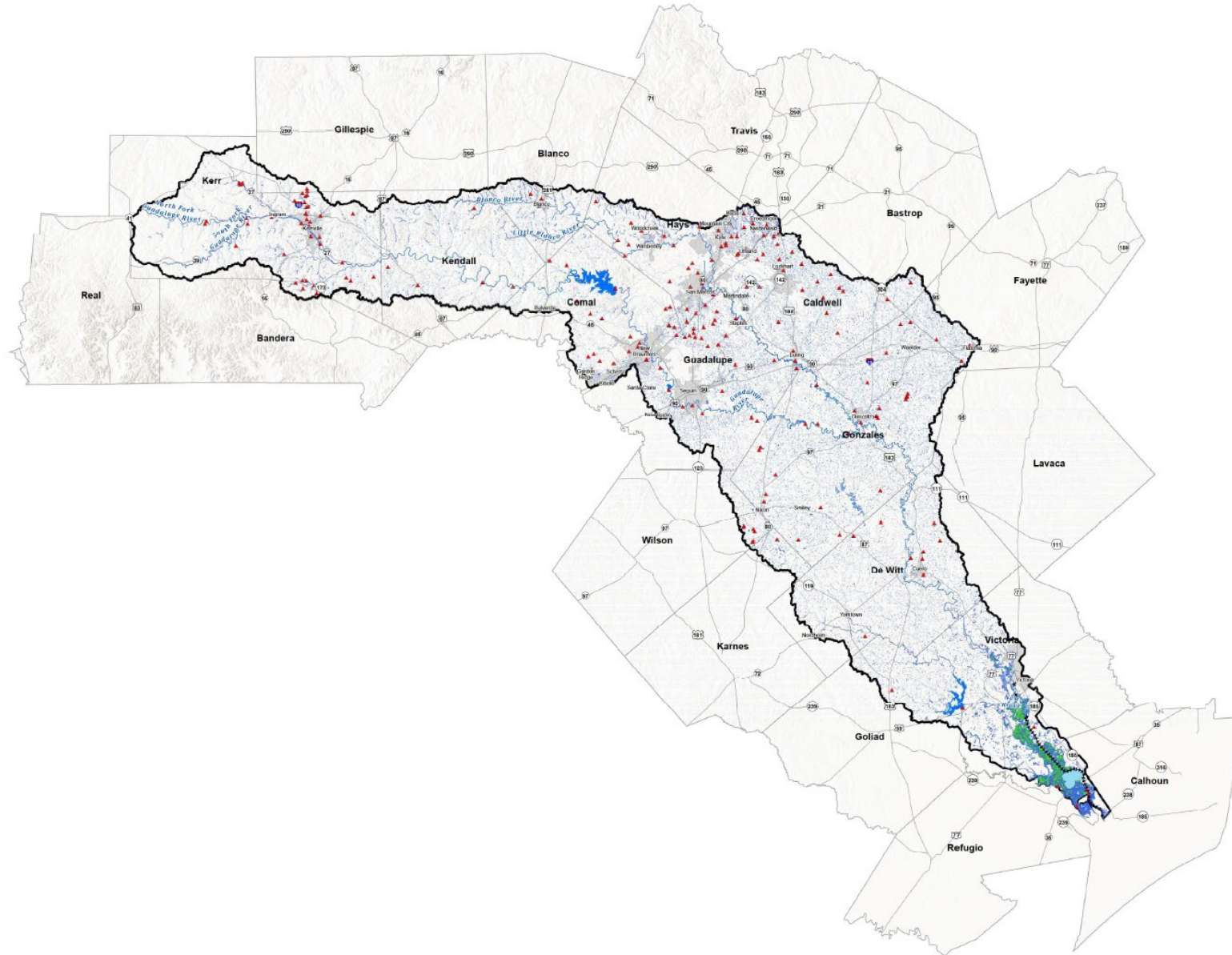
Region 11 Guadalupe Regional Flood Planning Group

(<https://www.guadalupefpg.org/>)

- Population Estimate (2020): 621,166
- Approximately 140 Local Communities
- Approximate Area: 6,030 square miles
- Approximate Stream Miles: 5,531
- Approximate NFIP Claims (1975-2019): \$249,600,821
- Contact:
 - Planning Group Sponsor Contact: Guadalupe-Blanco River Authority, Lauren Willis, (830) 379-5822
 - Planning Group Chair: Doug Miller, (830) 625-3000
 - TWDB Contact: Ryke Moore, (512) 475-1564



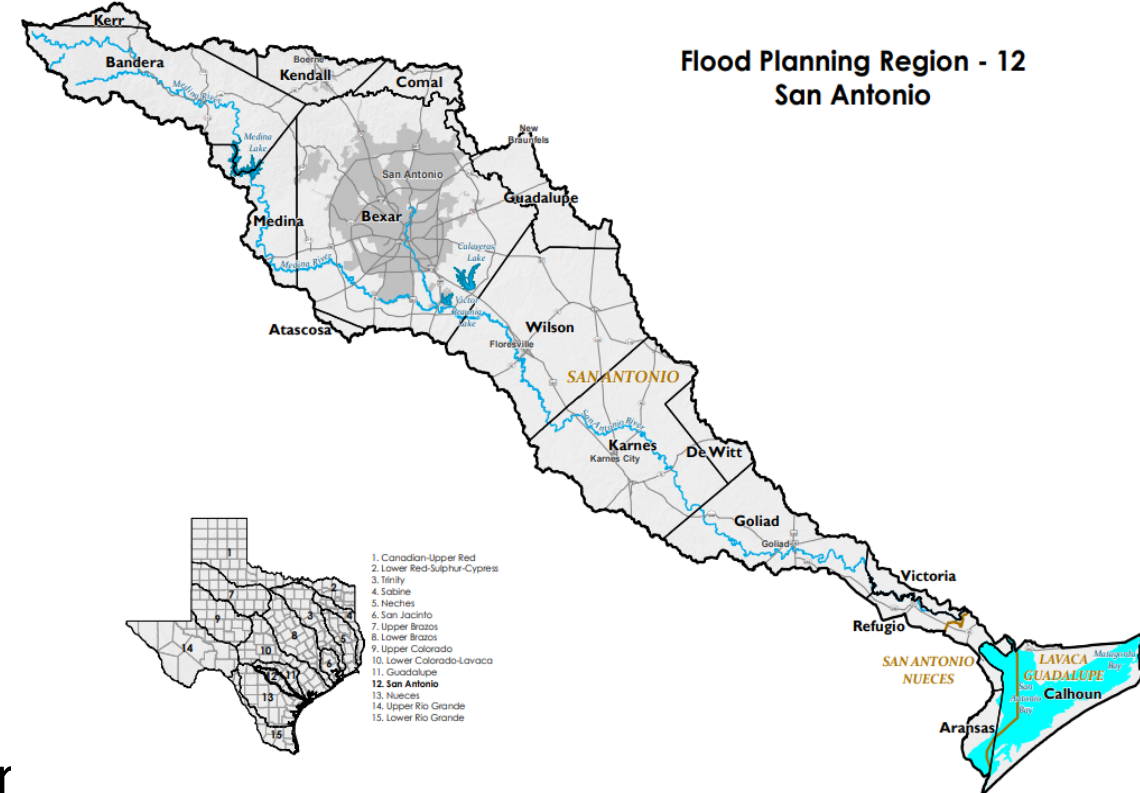
Region 11 Guadalupe RFPG – Existing Infrastructure



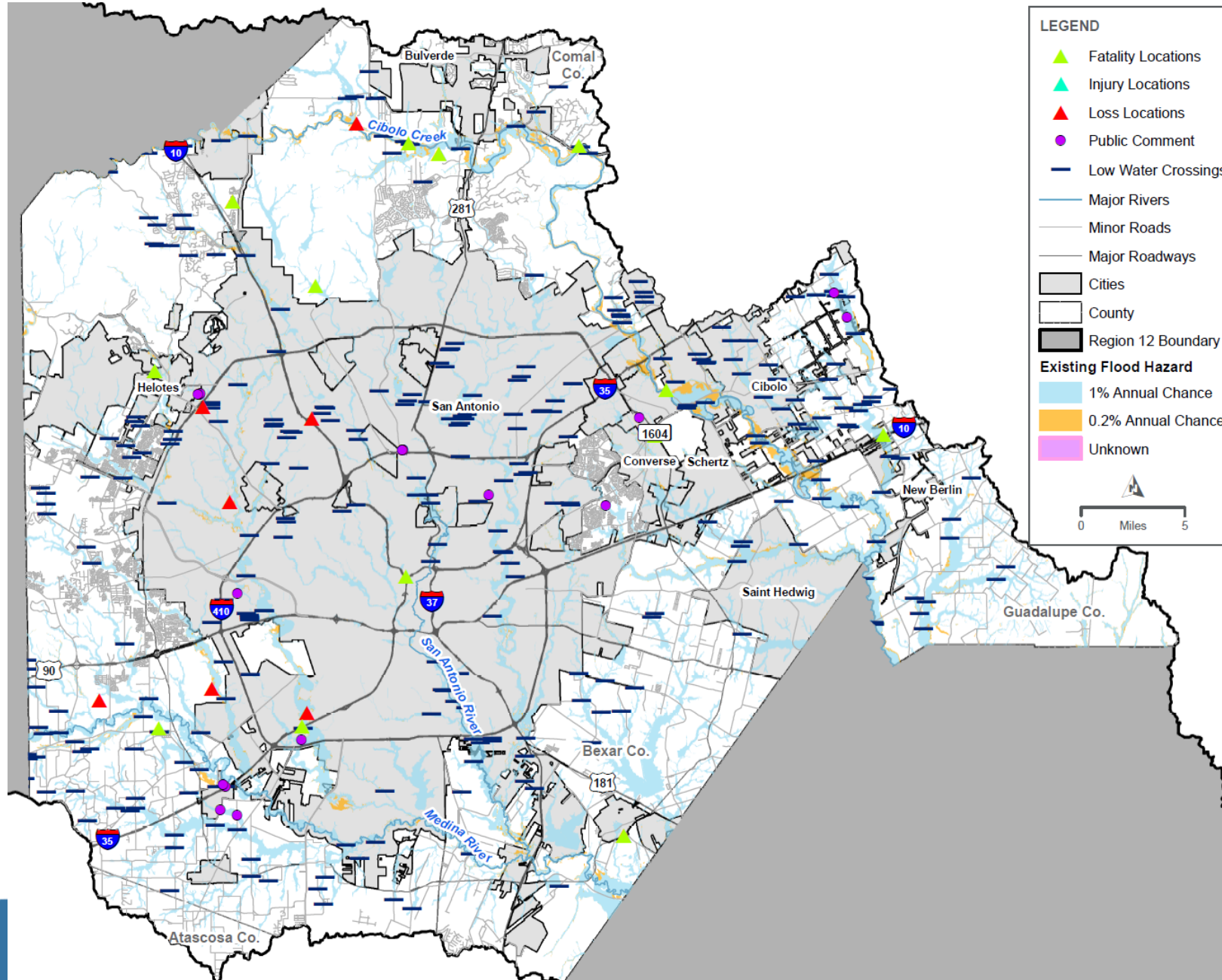
Region 12 San Antonio Regional Flood Planning Group

(<https://www.region12texas.org/>)

- Population Estimate (2020): 2,225,430
- Approximately 110 Local Communities
- Approximate Area: 4,422 square miles
- Approximate Stream Miles: 4,206
- Approximate NFIP Claims (1975-2019): \$48,925,054
- Contact:
 - Planning Group Sponsor Contact: San Antonio River Authority, Kendall Hayes, (210) 302-3641
 - Planning Group Chair: Derek Boese, (210) 302-3613
 - TWDB Contact: Anita Machiavello, (512) 463-5158



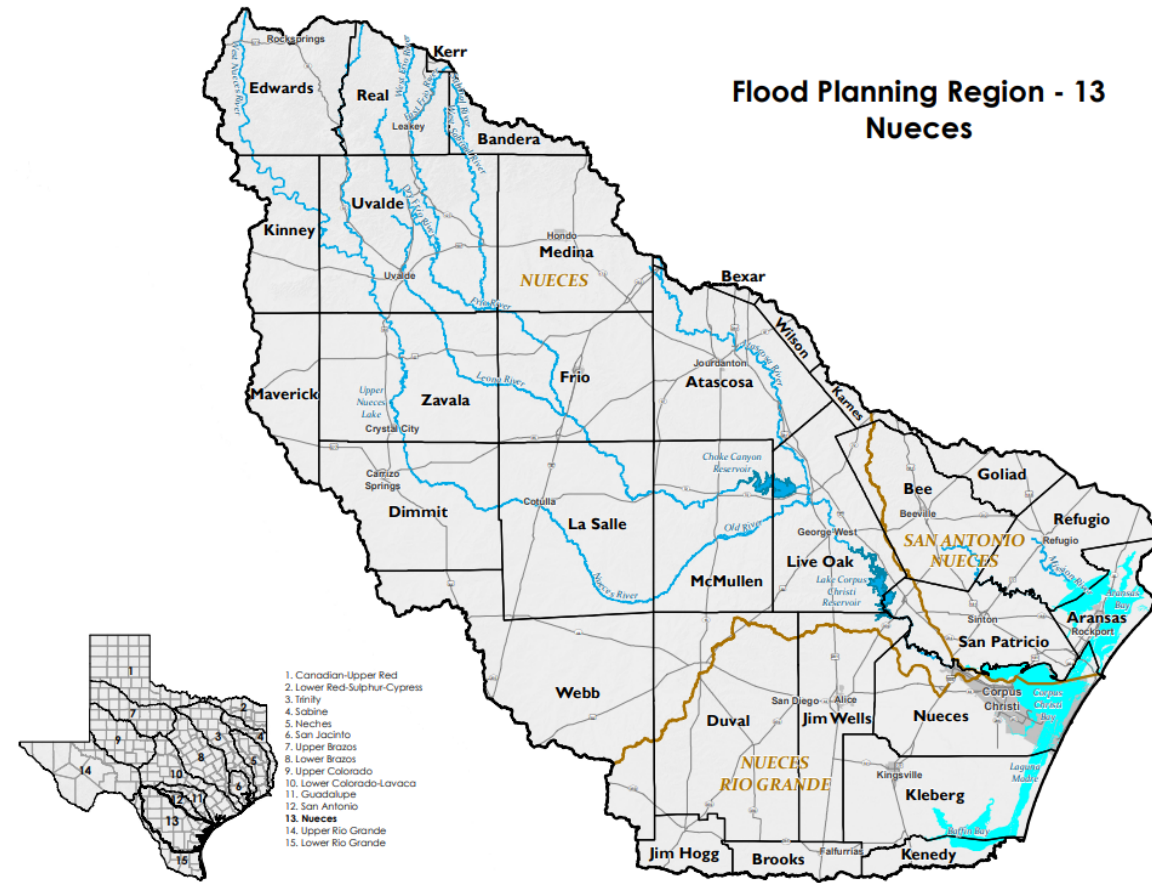
Region 12 San Antonio RFPG – Existing Infrastructure



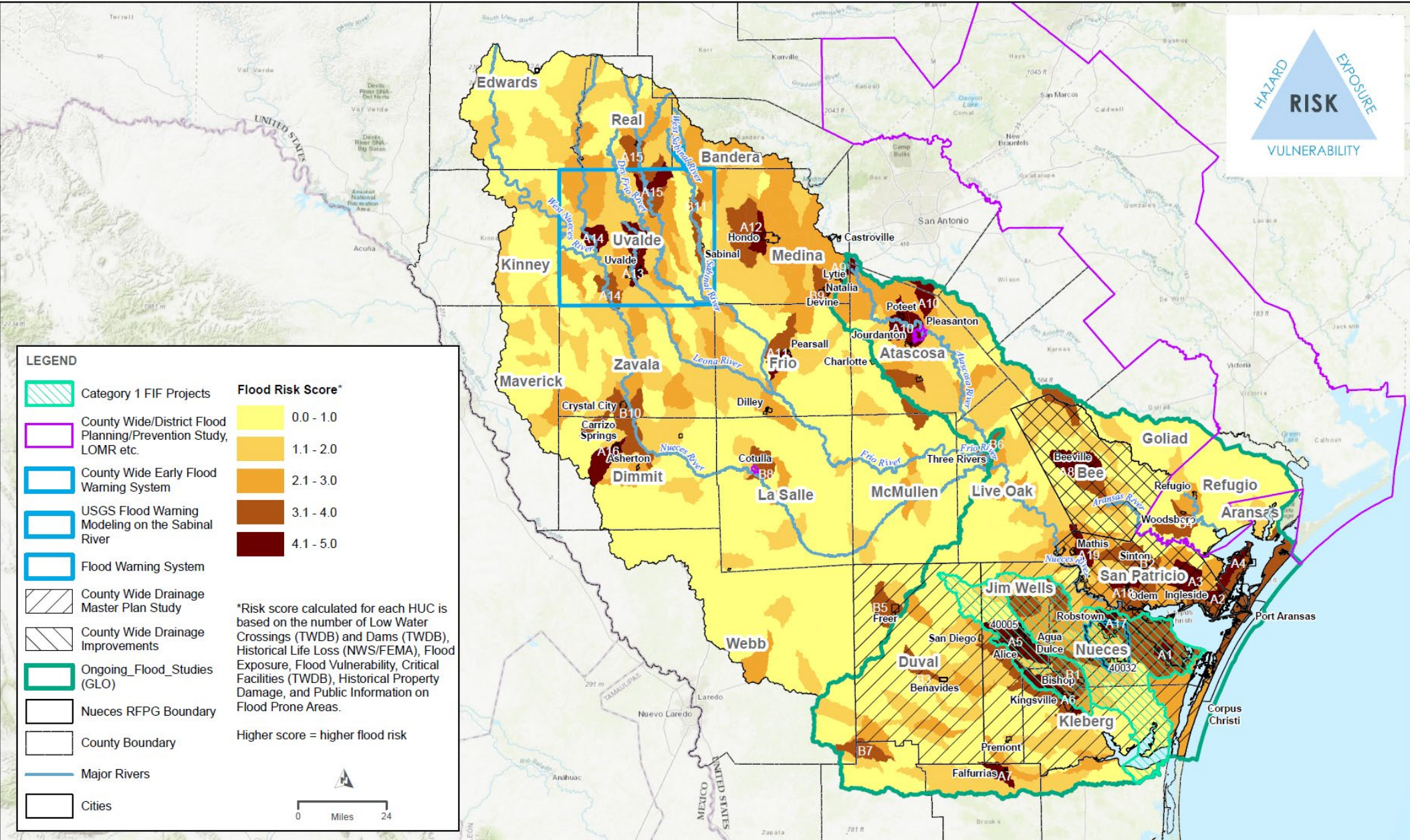
Region 13 Nueces Regional Flood Planning Group

(<https://www.nueces-rfpg.org/>)

- Population Estimate (2020): 782,528
- Approximately 141 Local Communities
- Approximate Area: 24,094 square miles
- Approximate Stream Miles: 17,044
- Approximate NFIP Claims (1975-2019): \$270,467,109
- Contact:
 - Planning Group Sponsor Contact: Nueces River Authority, Travis Pruski, (210) 710-0617
 - Planning Group Chair: LJ Francis, (361) 502-1442
 - TWDB Contact: Tressa Olsen, (512) 475-1908



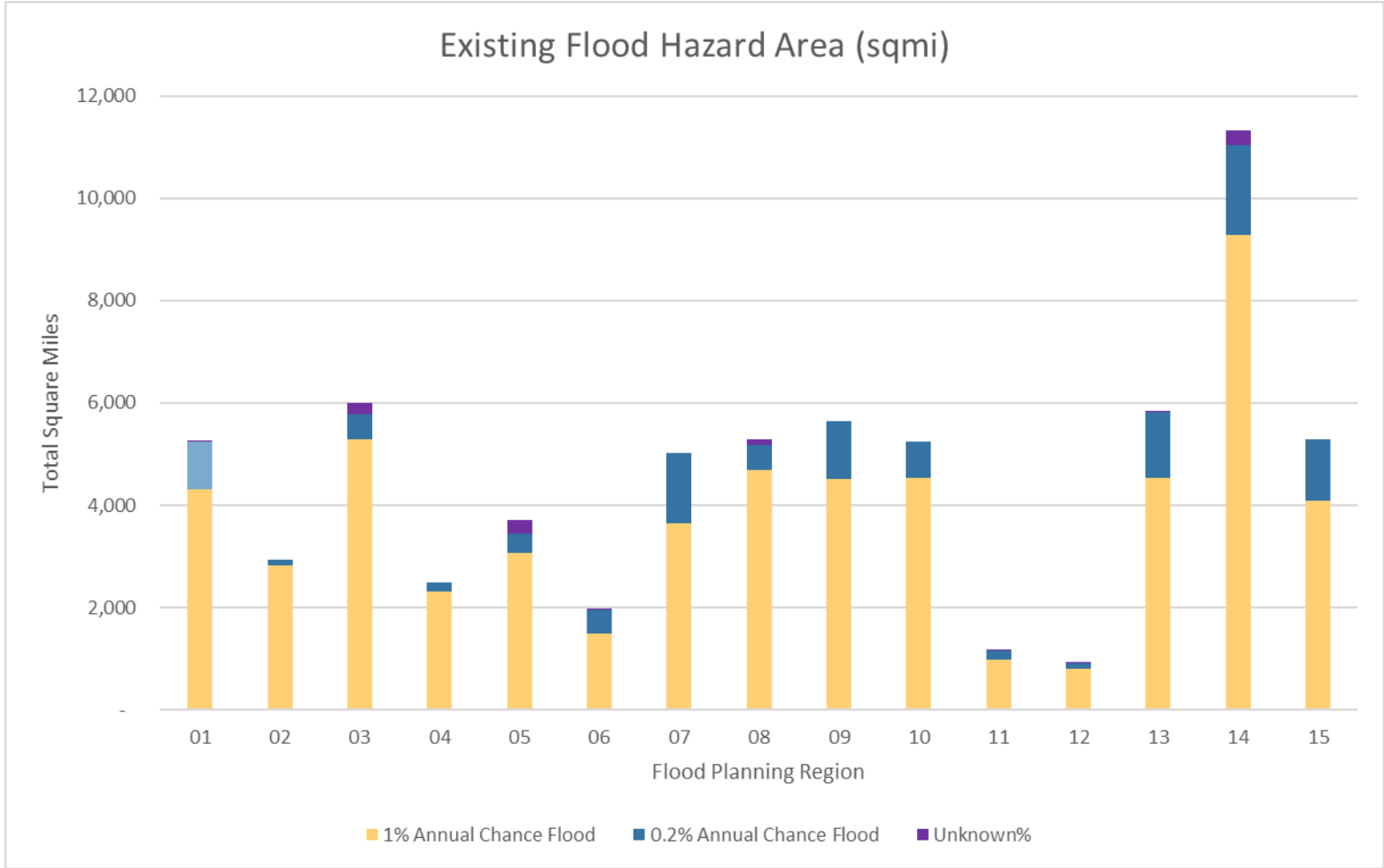
Region 13 Nueces RFPG – Existing Flood Hazard



Existing Condition Flood Hazard Area (sqmi)

*Preliminary data submitted by
Regional Flood Planning Groups
subject to change*

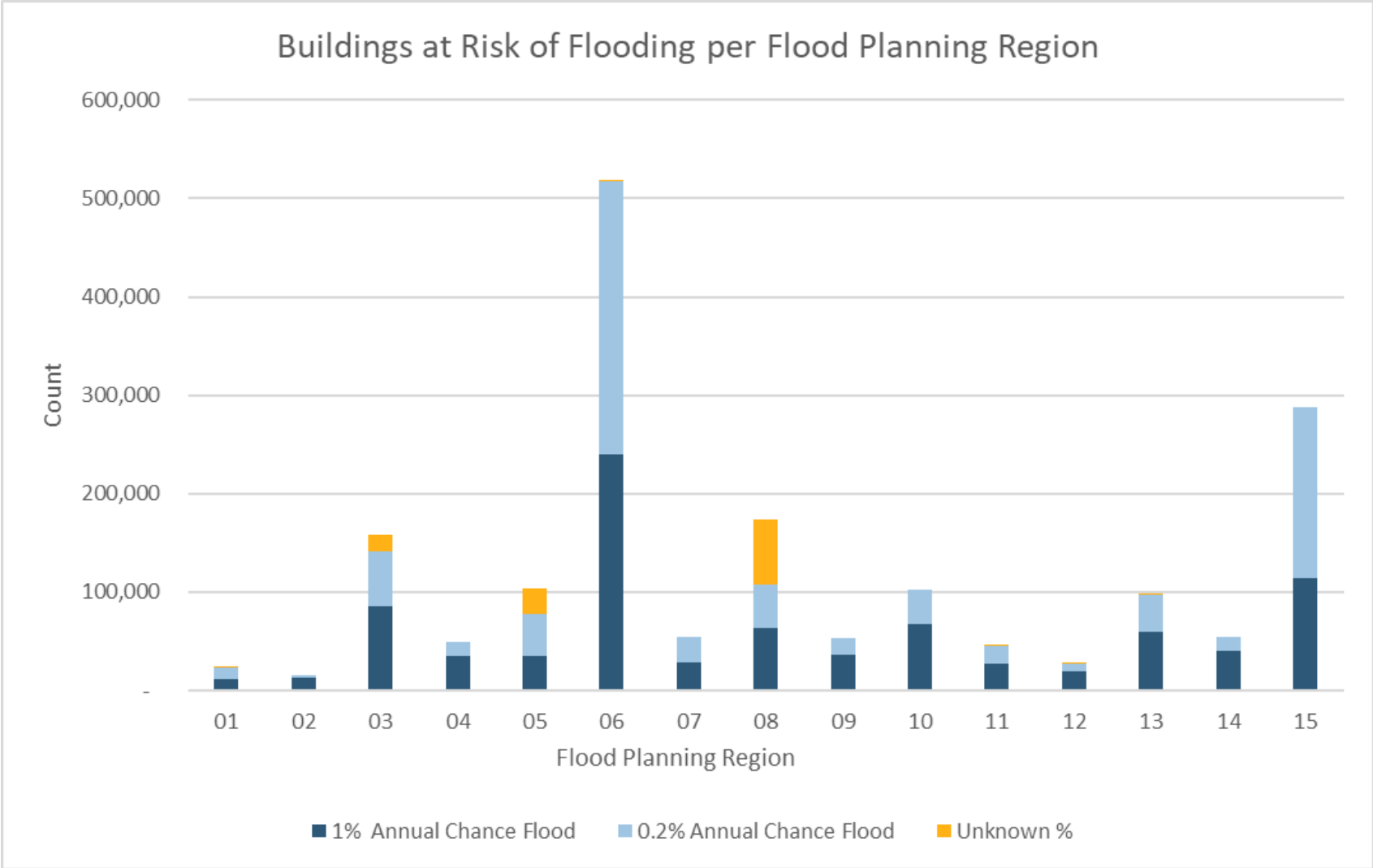
Area of Texas = 268,597 mi²
Flood Hazard Area = ~ 68,000 mi²



Count of Structures at Risk of Flooding

Preliminary data submitted by Regional Flood Planning Groups subject to change

Total **Approximate** Building Count in Flood Hazard Area > 1.7M



Potential Cost of Recommended Flood Management Evaluations (FME), Flood Mitigation Projects (FMP), and Flood Management Strategies (FMS) by Flood Planning Region

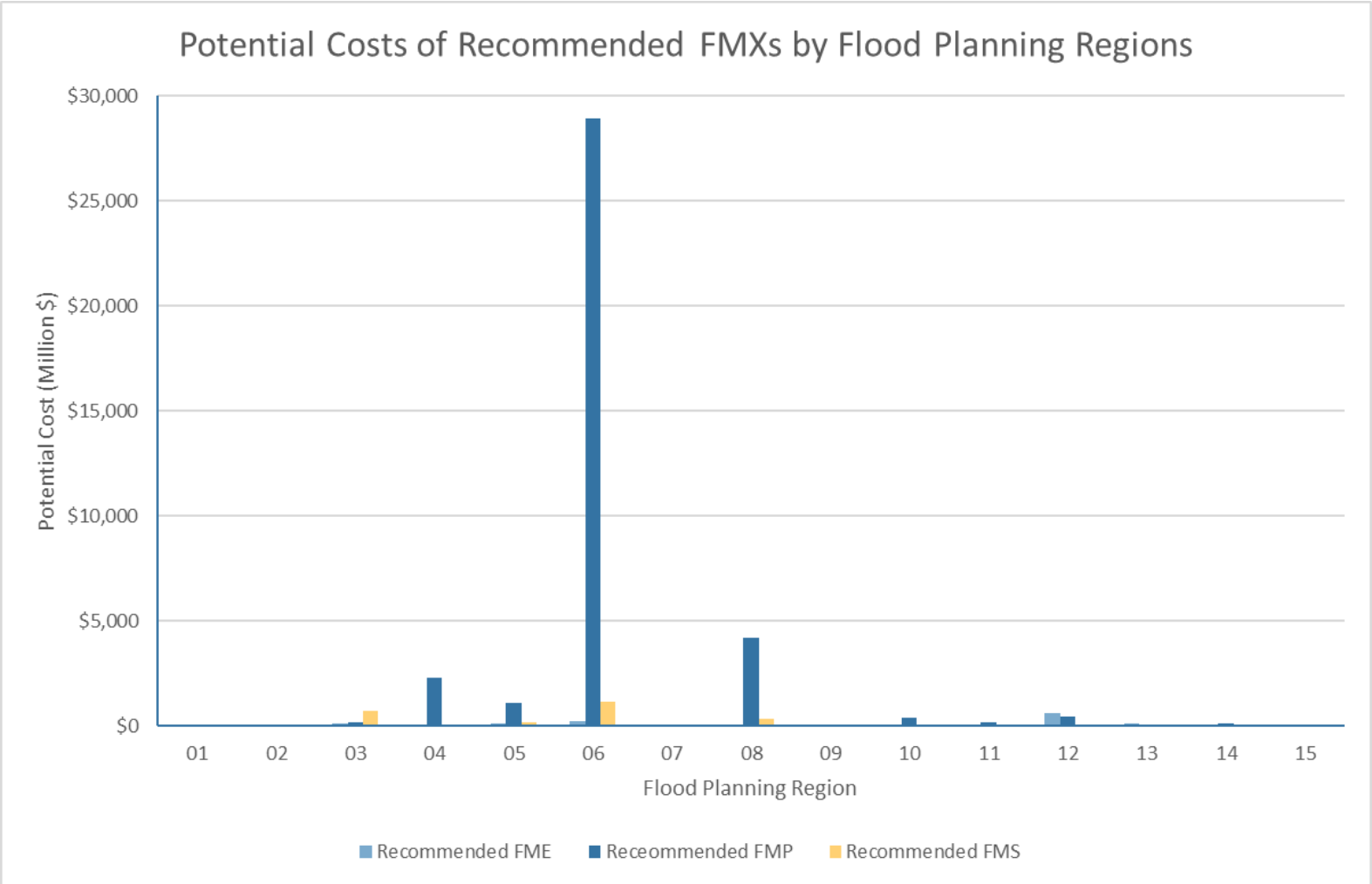


> 1.7 B
(FME)

> 37 B
(FMP)

> 2 B
(FMS)

Preliminary data submitted by Regional Flood Planning Groups subject to change



**FMX is an abbreviation for FME, FMS, and FMP*

How can you get involved?

- ✓ Know your home region?
- ✓ Visit your regional flood planning group (RFPG) website
- ✓ Attend RFPG meetings (some are hybrid)
- ✓ Provide input to the RFPG
 - By commenting at their meetings
 - By submitting information to them
 - By reviewing their draft plan this summer
- ✓ Encourage others, including public officials, to engage and provide input



What we need from local communities

- Help validate local flood risk information
- Information about flood mitigation projects that the community needs
- Input on the regional flood plans during their development



Exploration Green project, Clear Lake City, TX
Image: Texas Water Resources Institute



El Paso storm water project, El Paso, TX
Image: El Paso Water

Links to get involved

TWDB Flood Planning:

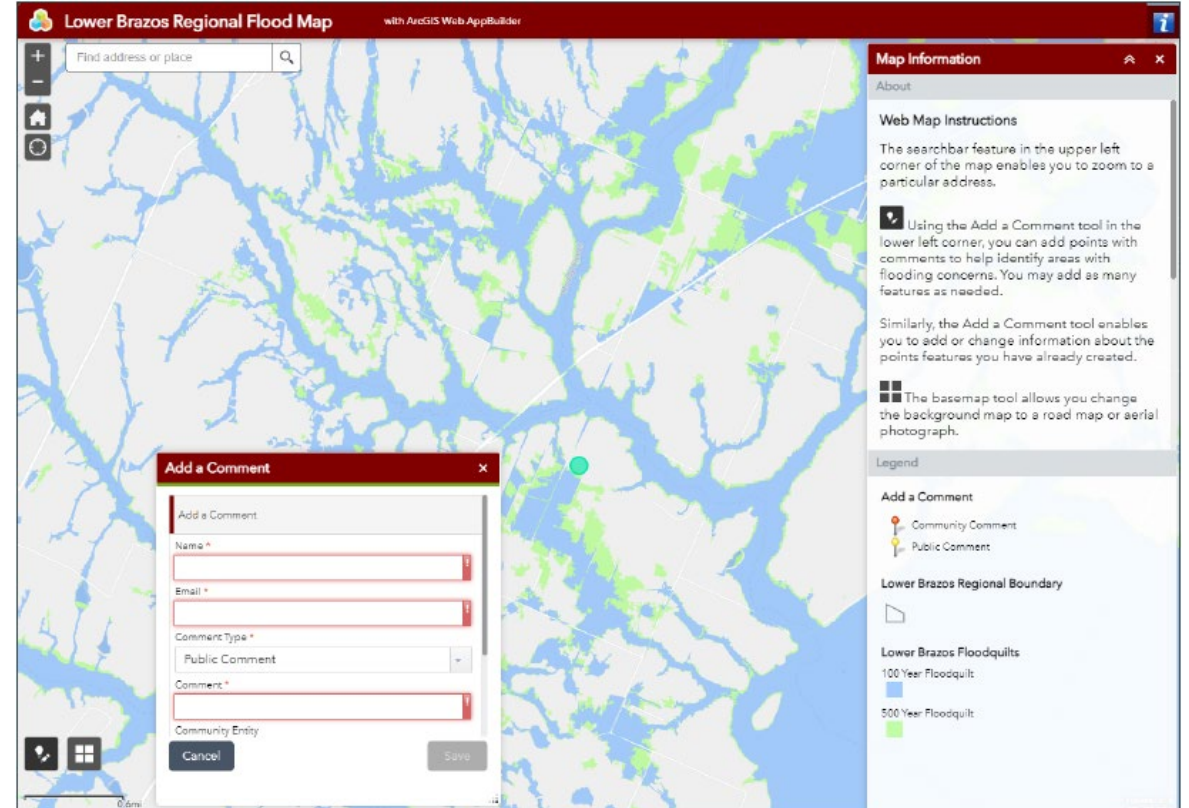
- <https://www.twdb.texas.gov/flood/planning/index.asp>

Regional Flood Planning Groups Information

- <https://www.twdb.texas.gov/flood/planning/regions/index.asp>

Regional Flood Planning Group Locator

- <https://twdb.maps.arcgis.com/apps/webappviewer/index.html?id=ab97387b79fe47fba1492c917c78697b>



Future Flood Infrastructure Needs

Flood Infrastructure Fund

- Abridged applications received: **Over 280**
- Total funding request: **\$2.3 billion**
- Leveraging state FIF dollars
 - Federal match money
 - In-kind efforts
 - Local funds

Flood Infrastructure Fund
 Board Approved FIF Application List and Eligible Funding Amounts - 10/1/2020
This list will be updated with information received through state-to-state applications submitted by member agencies.

Abridged App #	Ranked Position	Priority Score	County	Entity Name	Project Name	Category	Eligible Grant Percentage	Total Project Costs	Financing From Federal Sources	Total Eligible FIF Amount	FIF Grant Amount	Remaining Amount Eligible for Local or Applicant Contribution
13801	1	79.9833	Raymondville	Raymondville Watershed Study	1	100%	\$400,000	\$0	\$400,000	\$400,000	\$0	\$0
13802	2	79.9833	Paduca County	Flood Protection Planning Study	1	100%	\$200,000	\$0	\$200,000	\$200,000	\$0	\$0
13803	3	79.9833	Bee County	Master Drainage Planning Study	1	100%	\$2,000,000	\$0	\$2,000,000	\$2,000,000	\$0	\$0
13804	4	79.9833	Wheeler County	Flood Control Planning	1	100%	\$800,000	\$0	\$800,000	\$800,000	\$0	\$0
13805	5	79.9833	Allen	Master Drainage Planning Study	1	100%	\$241,000	\$0	\$241,000	\$241,000	\$0	\$0
13806	6	79.9833	Wheeler County	Wheeler County - Lower Creek Basin Flood Protection Study	1	100%	\$175,000	\$0	\$175,000	\$175,000	\$0	\$0
13807	7	79.9833	Orange	Master Drainage Planning Study	1	100%	\$100,000	\$0	\$100,000	\$100,000	\$0	\$0
13808	8	79.9833	Sanford	Flood Protection Planning Study	1	100%	\$200,000	\$0	\$200,000	\$200,000	\$0	\$0
13809	9	79.9833	Sanford	Lower River Watershed Study	1	100%	\$400,000	\$0	\$400,000	\$400,000	\$0	\$0
13810	10	79.9833	Sanford	Lower River Watershed Study Phase II	1	100%	\$1,100,000	\$0	\$1,100,000	\$1,100,000	\$0	\$0
13811	11	79.9833	Sanford	Flood Protection Planning Study	1	100%	\$400,000	\$0	\$400,000	\$400,000	\$0	\$0
13812	12	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13813	13	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13814	14	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13815	15	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13816	16	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13817	17	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13818	18	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13819	19	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13820	20	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13821	21	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13822	22	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13823	23	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13824	24	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13825	25	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13826	26	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13827	27	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13828	28	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13829	29	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13830	30	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13831	31	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13832	32	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13833	33	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13834	34	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13835	35	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13836	36	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13837	37	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13838	38	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13839	39	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13840	40	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13841	41	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13842	42	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13843	43	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13844	44	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13845	45	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13846	46	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13847	47	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13848	48	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13849	49	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0
13850	50	79.9833	Sanford	Sanford County Flood Protection Planning	1	100%	\$600,000	\$0	\$600,000	\$600,000	\$0	\$0

Draft Regional Flood Plans

*Preliminary data submitted by Regional
Flood Planning Groups subject to change*

Over 200 mitigation projects at > **\$37 billion**
(all but one region have recommended projects)

Over 2,000 flood management studies at
> **\$1.7 billion**

Ongoing Collaboration

- For regional flood planning
 - TWDB and TDIS Model Management System
 - GLO/ TWDB data sharing agreement
 - USACE Non Voting Members
- Texas Flood Organizing Group
 - Monthly meeting
 - Program/project updates
 - a. FEMA
 - b. GLO
 - c. NWS
 - d. TAMU
 - e. TDEM
 - f. TWDB
 - g. TxDOT
 - h. USACE
 - i. USGS
 - j. UT Austin
 - k. UT Center for Space Research



Questions?

James Bronikowski, PE, CFM

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512 475 0145



*LOOKING NORTH WEST FROM So. CONGRESS
SEPT 28, 1936*

**AGENDA ITEM NO.11 – PRESENTATION BY TECHNICAL CONSULTANT REGARDING SCHEDULE AND
PROGRESS UPDATES**

Agenda Item 11: Presentation by Technical Consultant for Schedule and Progress Updates

CONCEPTUAL SCHEDULE FOR REGION L PLAN DEVELOPMENT

	QTR	2021				2022				2023				2024				2025			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Regional Water Planning Rules Updates																					
Texas Legislative Sessions																					
TWDB Releases Data / Information																					
TASK 1 Planning Area Description																					
TASK 2 Population & Water Demands Projections																					
TASK 3 Water Availability & Supply Analyses																					
TASK 4 Identification of Water Needs																					
Technical Memorandum Due (March 4, 2024)																					
TASK 5 Water Management Strategy (WMS) Evaluations																					
TASK 6 Impacts of Plan & Cumulative Effects																					
TASK 7 Drought Response, Activities, & Recommendations																					
TASK 8 Unique Segments & Policy Recommendations																					
TASK 9 Implementation & Comparison to Previous Plan																					
Initially Prepared Plan Due (March 3, 2025)																					
TASK 10 Public Participation and Plan Adoption																					
Final Plan Due (October 20, 2025)																					

LEGEND

■ TWDB Conceptual Schedule

■ B&V Planned Schedule

🚩 TWDB Data Release

🚩 TWDB Deadline

2023 ANTICIPATED REGION L SCHEDULE (Based on Current and Anticipated* Funded Tasks)	QTR 1			QTR 2			QTR 3			QTR 4		
	J	F	M	A	M	J	J	A	S	O	N	D
88 th Texas Legislative Session												
Regional Water Planning Rules Updates												
TASK 1 Planning Area Description												
TASK 2A Non-municipal Water Demand Projections												
• Livestock, Manufacturing, Steam-Electric												
• Mining and Irrigation												
TASK 2B Population and Municipal Demand Projections												
• GPCD, historical population and water use												
• Population and Municipal Water Demand Projections												
TASK 3* Water Availability & Supply Analysis												
TASK 4A* Identification of Water Needs												
TASK 4B* Identification of Infeasible WMSs												
TASK 5* WMS Evaluations												
TASK 7* Drought Response Information & Recommendations												
TASK 8 Unique Segments & Policy Recommendations												
TASK 10 Public Participation and Plan Adoption												

LEGEND

- Other Activities
- Region L Activities

- TWDB Data Release
- Region L RWPG Meeting

- TWDB Deadline

Texas Water Development Board (TWDB)

2026 DRAFT Municipal Demand Projections



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

Updates on Completed Efforts

- Outreach:
 - Surveyed Water User Groups (WUGs) to Update Contact Information
 - Received 39 responses from 34 unique WUGs
 - 31 respondents expressed interest in attending a virtual webinar to learn more about the planning process
 - 34 respondents requested to be included in the Region L mailing list
- Population & Water Demands Workgroup
 - Reviewed Non-municipal Demands
 - Prepared recommendation to Region L Regional Water Planning Group (RWPG) for today's meeting

Updates on Ongoing Efforts

- Continuing Outreach:
 - Webinar for Stakeholders to introduce Regional Water Planning and how to provide input during the process. Anticipated Qtr 1.
 - Survey to WUGs providing population and water demands data and requesting feedback. Anticipated Qtr 1.
- Continuing Population & Water Demands Workgroup Activities:
 - Review Draft Population and Municipal Demand Projections (released by TWDB in Jan. 2023)
 - Hold Meeting to Review Data and Consider WUG feedback in **March 2023**
- Beginning Interregional Coordination Efforts

**Agenda Item 12:
Discussion and Appropriate Action
Regarding Recommendation for Feedback
to TWDB on Non-Municipal Water
Demands Data**

Population and Water Demands (PWD) Workgroup: Summary of Non-Municipal Demands Review Activities

Establishment of PWD Workgroup

- February 16, 2022

High-level Review of Livestock, Manufacturing, Steam-electric

- April 26, 2022

Detailed Review of Manufacturing, Livestock, Steam-Electric & Irrigation

- November 30, 2022
- December 8, 2022
- December 13, 2022
- January 19, 2023

Finalized Recommendations for all non-municipal water use categories

- January 19, 2023

Presentation of Recommendations to Region L RWPG for Feedback to TWDB

- February 2, 2023

It was determined that a detailed review meeting was not warranted for Mining because of depth of detail of TWDB's Mining Water Use Study in partnership with the U.S. Geological Survey (USGS) and the University of Texas Bureau of Economic Geology (BEG).

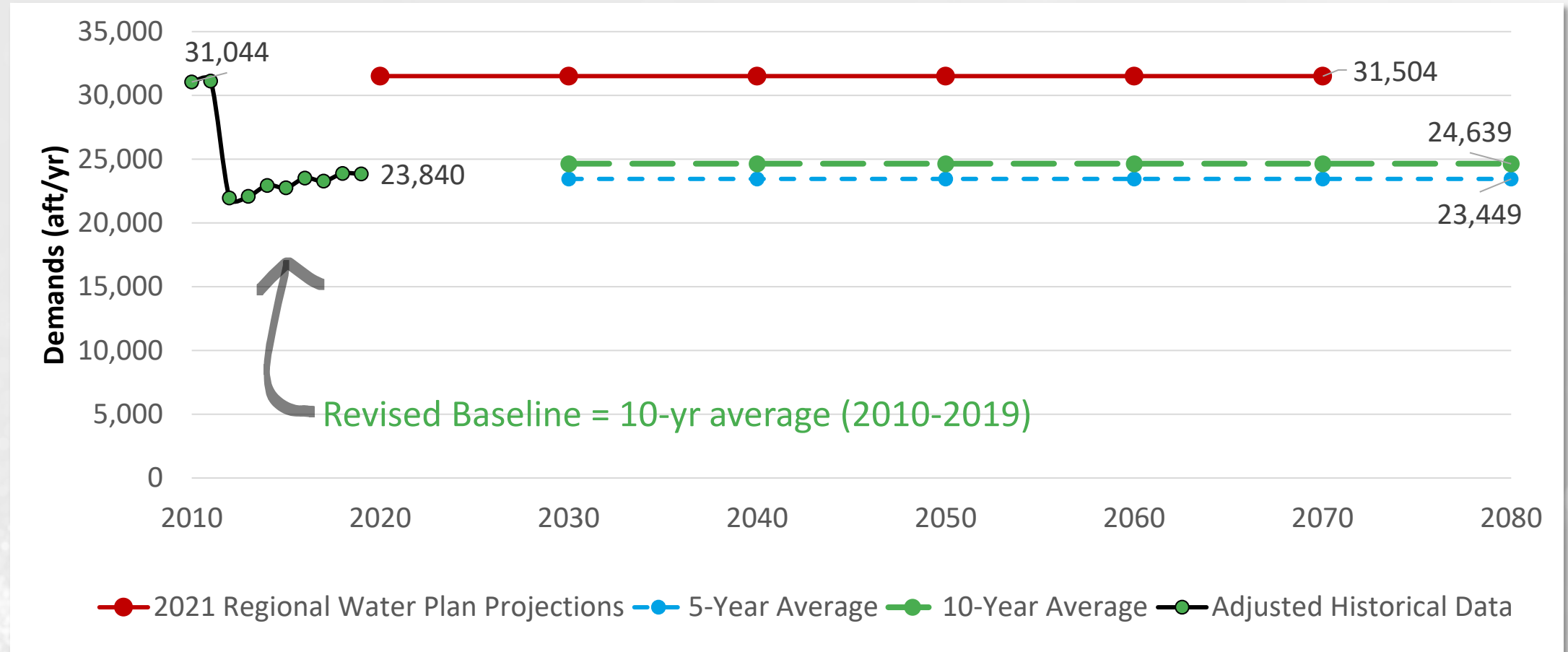
PWD Workgroup: Summary of Recommendations to Region L RWPG Regarding Non-Municipal Demand Projections

Non-Municipal Demand	PWD Workgroup Recommendations for Revisions
Livestock	All Region L Counties: Revise projections according to a 10-year average baseline (instead of 5-year)
Manufacturing	Comal, Guadalupe, and Victoria Counties: Revise projections based on new information for specific entities.
Irrigation	All Region L Counties: Revise projections according to a 10-year average baseline (instead of 5-year)
Steam-Electric	No revisions proposed at this time.
Mining	No revisions proposed at this time.

POPULATION AND WATER DEMANDS WORKGROUP RECOMMENDATION:

Livestock Demands

Draft Water Demand Projections: Livestock



Source: Katie Dahlberg, TWDB

Recommendation: Revise the Livestock baseline using a 10-year average of historical water use instead of a 5-year average (TWDB calculated 10-year average using consistent methodology)

RECOMMENDATION, Livestock Demands (1 of 2)

Revise projections according to a 10-year average baseline (2010-2019) instead of 5-year average

RECOMMENDED* 2026 Region L Water Plan Projections, Livestock Demands						
County	2030	2040	2050	2060	2070	2080
ATASCOSA	1,537	1,537	1,537	1,537	1,537	1,537
BEXAR	988	988	988	988	988	988
CALDWELL	831	831	831	831	831	831
CALHOUN	282	282	282	282	282	282
COMAL	271	271	271	271	271	271
DEWITT	1,736	1,736	1,736	1,736	1,736	1,736
DIMITT	367	367	367	367	367	367
FRIO	964	964	964	964	964	964
GOLIAD	789	789	789	789	789	789
GONZALES	4,138	4,138	4,138	4,138	4,138	4,138
TOTAL	24,639	24,639	24,639	24,639	24,639	24,639

RECOMMENDATION, Livestock Demands (2 of 2)

Revise projections according to a 10-year average baseline (2010-2019) instead of 5-year average

RECOMMENDED* 2026 Region L Water Plan Projections, Livestock Demands						
County	2030	2040	2050	2060	2070	2080
GUADALUPE	1,179	1,179	1,179	1,179	1,179	1,179
HAYS (PARTIAL)	2,712	2,712	2,712	2,712	2,712	2,712
KARNES	954	954	954	954	954	954
KENDALL	388	388	388	388	388	388
LA SALLE	394	394	394	394	394	394
MEDINA	1,058	1,058	1,058	1,058	1,058	1,058
REFUGIO	461	461	461	461	461	461
UVALDE	2,049	2,049	2,049	2,049	2,049	2,049
VICTORIA	979	979	979	979	979	979
WILSON	1,709	1,709	1,709	1,709	1,709	1,709
ZAVALA	855	855	855	855	855	855
TOTAL	24,639	24,639	24,639	24,639	24,639	24,639

POPULATION AND WATER DEMANDS WORKGROUP RECOMMENDATION:

Manufacturing Demands

Recommended Revisions to Manufacturing Demands

- Comal County – Adjustment: Remove Cemex Balcones Quarry from historical water use estimate.

Adjusted Demand Projections – Comal County Manufacturing (ac-ft/yr)					
2030	2040	2050	2060	2070	2080
901	934	969	1,005	1,042	1,080

- Guadalupe County – Adjustment: Remove O.J.R Regional Reclamation Plant from future projections.

Adjusted Demand Projections – Guadalupe County Manufacturing (ac-ft/yr)					
2030	2040	2050	2060	2070	2080
2,423	2,513	2,606	2,702	2,802	2,906

- Victoria County – Adjustment: Revise INVISTA's historical water use estimate.

Adjusted Demand Projections – Victoria County Manufacturing (ac-ft/yr)					
2030	2040	2050	2060	2070	2080
39,432	40,891	42,404	43,973	45,600	47,287

RECOMMENDATION, Manufacturing Demands (1 of 2)

Revise projections for three counties according to updated information

RECOMMENDED* 2026 Region L Water Plan Projections, Manufacturing Demands						
County	2030	2040	2050	2060	2070	2080
ATASCOSA	56	58	60	62	64	66
BEXAR	8,873	9,201	9,541	9,894	10,260	10,640
CALDWELL	14	15	16	17	18	19
CALHOUN	54,587	56,607	58,701	60,873	63,125	65,461
COMAL	901	934	969	1,005	1,042	1,080
DEWITT	248	257	267	277	287	298
DIMITT	0	0	0	0	0	0
FRIO	0	0	0	0	0	0
GOLIAD	0	0	0	0	0	0
GONZALES	2,311	2,397	2,486	2,578	2,673	2,772
TOTAL	109,826	113,891	118,106	122,476	127,007	131,707

RECOMMENDATION, Manufacturing Demands (2 of 2)

Revise projections for three counties according to updated information

RECOMMENDED* 2026 Region L Water Plan Projections, Livestock Demands						
County	2030	2040	2050	2060	2070	2080
GUADALUPE	2,423	2,513	2,606	2,702	2,802	2,906
HAYS (PARTIAL)	57	59	61	63	65	67
KARNES	69	72	75	78	81	84
KENDALL	46	48	50	52	54	56
LA SALLE	0	0	0	0	0	0
MEDINA	15	16	17	18	19	20
REFUGIO	0	0	0	0	0	0
UVALDE	0	0	0	0	0	0
VICTORIA	39,432	40,891	42,404	43,973	45,600	47,287
WILSON	62	64	66	68	71	74
ZAVALA	732	759	787	816	846	877
TOTAL	109,826	113,891	118,106	122,476	127,007	131,707

POPULATION AND WATER DEMANDS WORKGROUP RECOMMENDATION:

Irrigation Demands

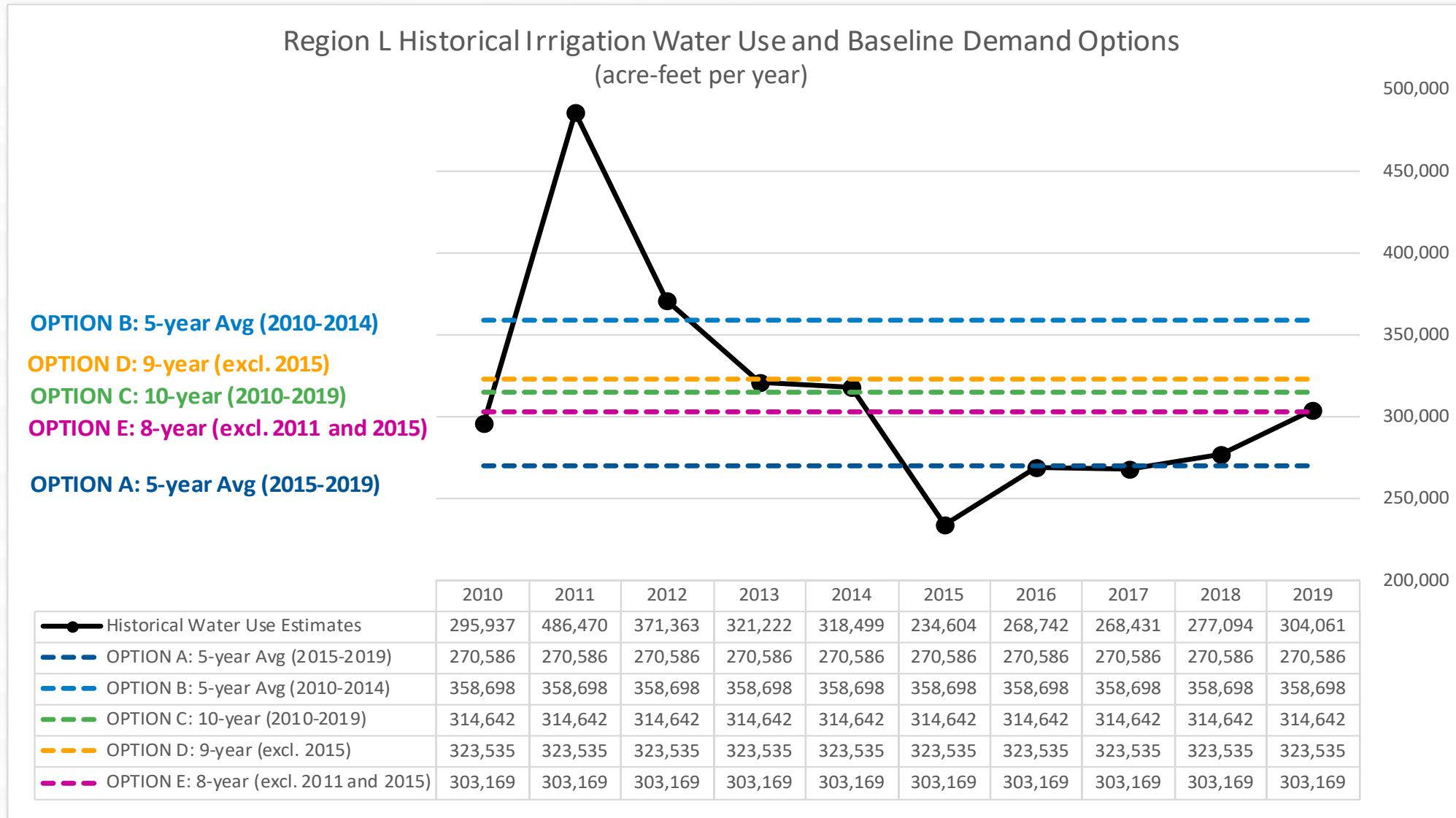
PWD Workgroup Considered Various Irrigation Demand Baseline Options

2030 Irrigation Demands Baseline Options:

- **Option A** (current): 2026 Draft Irrigation Projections from TWDB (2015-2019 average)
- **Option B**: 2021 RWP Irrigation Projections (2010-2014 average)
- **Option C**: 10-year average of TWDB water use estimates without adjustments (2010-2019 average)
- **Option D**: 9-year average that excludes 2015 (wettest year)
- **Option E**: 8-year average that excludes 2015 (wettest year) and 2011 (driest year)

Note: PWD Workgroup recommended no change to the TWDB projection methodology to keep the Irrigation projections flat from 2030-2080 as it seems the most reasonable

PWD Workgroup Recommends Option C (10-year avg) as Selected Baseline Option for Irrigation Demands



RECOMMENDATION, Irrigation Demands (1 of 2)

Revise projections according to a 10-year average baseline (2010-2019) instead of 5-year average

RECOMMENDED* 2026 Region L Water Plan Projections, Irrigation Demands						
County	2030	2040	2050	2060	2070	2080
ATASCOSA	25,441	25,441	25,441	25,441	25,441	25,441
BEXAR	11,751	11,751	11,751	11,751	11,751	11,751
CALDWELL	680	680	680	680	680	680
CALHOUN	10,460	10,460	10,460	10,460	10,460	10,460
COMAL	591	591	591	591	591	591
DEWITT	590	590	590	590	590	590
DIMITT	4,689	4,689	4,689	4,689	4,689	4,689
FRIO	70,567	70,567	70,567	70,567	70,567	70,567
GOLIAD	3,126	3,126	3,126	3,126	3,126	3,126
GONZALES	4,478	4,478	4,478	4,478	4,478	4,478
TOTAL	314,642	314,642	314,642	314,642	314,642	314,642

RECOMMENDATION, Irrigation Demands (2 of 2)

Revise projections according to a 10-year average baseline (2010-2019) instead of 5-year average

RECOMMENDED* 2026 Region L Water Plan Projections, Irrigation Demands						
County	2030	2040	2050	2060	2070	2080
GUADALUPE	942	942	942	942	942	942
HAYS (PARTIAL)	130	130	130	130	130	130
KARNES	915	915	915	915	915	915
KENDALL	461	461	461	461	461	461
LA SALLE	4,461	4,461	4,461	4,461	4,461	4,461
MEDINA	54,809	54,809	54,809	54,809	54,809	54,809
REFUGIO	867	867	867	867	867	867
UVALDE	52,703	52,703	52,703	52,703	52,703	52,703
VICTORIA	11,092	11,092	11,092	11,092	11,092	11,092
WILSON	13,318	13,318	13,318	13,318	13,318	13,318
ZAVALA	42,574	42,574	42,574	42,574	42,574	42,574
TOTAL	314,642	314,642	314,642	314,642	314,642	314,642

POPULATION AND WATER DEMANDS WORKGROUP RECOMMENDATION:

Steam-Electric Demands

RECOMMENDATION, Steam-Electric Demands (1 of 2)

*No revisions recommended by PWD Workgroup**

RECOMMENDED* 2026 Region L Water Plan Projections, Steam-Electric Demands						
County	2030	2040	2050	2060	2070	2080
ATASCOSA	7,962	7,962	7,962	7,962	7,962	7,962
BEXAR	76,539	76,539	76,539	76,539	76,539	76,539
CALDWELL	0	0	0	0	0	0
CALHOUN	37	37	37	37	37	37
COMAL	0	0	0	0	0	0
DEWITT	0	0	0	0	0	0
DIMMIT	0	0	0	0	0	0
FRIO	54	54	54	54	54	54
GOLIAD	4,994	4,994	4,994	4,994	4,994	4,994
GONZALES	0	0	0	0	0	0
TOTAL (ALL)	101,741	101,741	101,741	101,741	101,741	101,741

** New information received for Bexar and Guadalupe Counties after PWD Workgroup Meeting on 1/19/2023. PWD will provide a recommendation at May 2023 RWPG Meeting.*

RECOMMENDATION, Steam-Electric Demands (2 of 2)

No revisions recommended by PWD Workgroup

RECOMMENDED* 2026 Region L Water Plan Projections, Steam-Electric Demands						
County	2030	2040	2050	2060	2070	2080
GUADALUPE	7,008	7,008	7,008	7,008	7,008	7,008
HAYS (PARTIAL)	1,949	1,949	1,949	1,949	1,949	1,949
KARNES	0	0	0	0	0	0
KENDALL	0	0	0	0	0	0
LA SALLE	0	0	0	0	0	0
MEDINA	0	0	0	0	0	0
REFUGIO	0	0	0	0	0	0
UVALDE	0	0	0	0	0	0
VICTORIA	3,198	3,198	3,198	3,198	3,198	3,198
WILSON	0	0	0	0	0	0
ZAVALA	0	0	0	0	0	0
TOTAL	101,741	101,741	101,741	101,741	101,741	101,741

** New information received for Bexar and Guadalupe Counties after PWD Workgroup Meeting on 1/19/2023. PWD will provide a recommendation at May 2023 RWPG Meeting.*

POPULATION AND WATER DEMANDS WORKGROUP RECOMMENDATION:

Mining Demands

RECOMMENDATION, Mining Demands (1 of 2)

No revisions recommended by PWD Workgroup

RECOMMENDED* 2026 Region L Water Plan Projections, Mining Demands						
County	2030	2040	2050	2060	2070	2080
ATASCOSA	8,039	8,352	8,658	8,947	9,217	4,281
BEXAR	7,634	8,366	9,072	9,724	10,322	10,851
CALDWELL	352	352	352	352	352	2
CALHOUN	0	0	0	0	0	0
COMAL	12,013	14,130	16,264	18,386	20,432	22,314
DEWITT	1,695	1,695	1,695	1,695	1,695	8
DIMITT	6,146	6,146	6,146	6,146	6,146	3
FRIO	6,002	6,003	6,003	6,004	6,004	10
GOLIAD	8	8	8	8	8	8
GONZALES	6,592	6,625	6,663	6,701	6,740	606
TOTAL (ALL)	74,126	77,971	81,760	85,423	88,890	48,880

RECOMMENDATION, Mining Demands (2 of 2)

No revisions recommended by PWD Workgroup

RECOMMENDED* 2026 Region L Water Plan Projections, Mining Demands						
County	2030	2040	2050	2060	2070	2080
GUADALUPE	770	770	770	770	770	0
HAYS (PARTIAL)	30	37	43	51	61	71
KARNES	1,919	1,919	1,919	1,919	1,919	3
KENDALL	0	0	0	0	0	0
LA SALLE	5,396	5,396	5,396	5,396	5,396	0
MEDINA	4,324	4,718	5,065	5,380	5,657	5,886
REFUGIO	0	0	0	0	0	0
UVALDE	3,204	3,423	3,650	3,866	4,074	4,271
VICTORIA	390	409	426	439	451	460
WILSON	4,680	4,690	4,698	4,707	4,714	105
ZAVALA	4,932	4,932	4,932	4,932	4,932	1
TOTAL	74,126	77,971	81,760	85,423	88,890	48,880

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Recommendation for Feedback to TWDB Regarding Non-Municipal Demand Projections

Recommendation for Feedback to TWDB Regarding Non-Municipal Water Demand Projections

Non-Municipal Demand	PWD Workgroup Recommendations for Revisions
Livestock	All Region L Counties: Revise projections according to a 10-year average baseline (instead of 5-year)
Manufacturing	Comal, Guadalupe, and Victoria Counties: Revise projections based on new information for specific entities.
Irrigation	All Region L Counties: Revise projections according to a 10-year average baseline (instead of 5-year)
Steam-Electric	No revisions proposed at this time.
Mining	No revisions proposed at this time.

Questions?



Contact Us

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