

AGENDA

RIO GRANDE REGIONAL WATER PLANNING GROUP (RGRWPG) (REGION M)

9:30 A.M. WEDNESDAY, MAY 15, 2024

LRGVDC MAIN CAMPUS
INITIATED AND CHAIRED VIA GoToMeeting & IN PERSON AT
301 W. RAILROAD ST., WESLACO, TEXAS

Virtual access is available at:
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WRITTEN PUBLIC COMMENTS RELATED TO AGENDA ITEM **4.A.2.a** WILL
BE ACCEPTED UNTIL **MAY 15, 2024, AT 9:30 AM.** COMMENTS MAY BE
SUBMITTED EITHER BY EMAIL TO:

mcruz@lrgvdc.org

OR SENT BY MAIL TO:

JIM DARLING, CHAIRMAN
RIO GRANDE REGIONAL WATER PLANNING GROUP
C/O LRGVDC
301 W. RAILROAD ST.
WESLACO, TX 78596

MEETING MATERIALS WILL BE AVAILABLE AT LEAST 7 DAYS PRIOR TO
THE MEETING.

PRESIDING: JIM DARLING, CHAIR

-
1. Call to Order & Roll Call.....Chairman
 2. Consideration and **ACTION** to Approve February 21, 2024, Meeting MinutesChairman
 3. Public Comment.....Chairman

4. Status Reports

ACTION MAY BE TAKEN ON ANY OF THE FOLLOWING ITEMS

- A. Status on Current TWDB Contract Activities..... Jaime Burke
Black & Veatch
 - 1. Schedule and Progress Update
 - 2. Consideration and **ACTION** Regarding the Proposed Amendment to the 2021 Rio Grande (Region M) Regional Water Plan to Address Infeasible Water Management Strategies.
 - a. Receive Public Comment Regarding the Proposed Amendment
 - b. Review and Consideration of Comments Received from the Public, TWDB, and Other State or Federal Agencies
 - c. Consideration and Appropriate Action to Adopt the Proposed Amendment
 - d. Consideration and Appropriate Action to Authorize the Technical Consultant to Submit Proof of Adoption and any Comments to TWDB and to Address Any Requests from TWDB Associated with the Amendment on Behalf of the RGRWPG
 - 3. Discussion on Subcommittee for Environmental Review & Water Management Strategies

- B. Financial Report.....Chairman
 - 1. Consideration and **ACTION** to Accept Expenditure Report

- C. Status of Joint Groundwater Area Planning in GMA’s 13 & 16..... Louie Pena, GMA 16
Debbie Farmer, GMA 13

- D. Reports from Other Regional Water Planning Groups
 - 1. Reports from Liaisons with: Region J, Tomas Rodriguez; Region L, Don McGhee, and Region N, Commissioner David Fuentes

- E. Report on Water Conservation Plans and Drought Management Plans
Filed with Region.....Chairman

- F. Report on Notices of Applications for Funding and GrantsChairman
 - 1. NASA Water Availability Forecasting Project: LRGV Stormwater Task Force Partnership and the Research, Applied Technology Education and Services, Inc. (RATES)

- G. Report on Regional Water Resource Advisory Committee (RWRAC)..... Melisa Gonzales
RWRAC

5. Reports from Federal and State Agencies

ACTION MAY BE TAKEN ON ANY OF THE FOLLOWING ITEMS

A. TWDB..... Michele Foss
Regional Water Planning

- 1. Items to Note
- 2. Financial Assistance Workshop
- 3. Interregional Planning Council
- 4. Council Recommendations
- 5. Council Observations
- 6. Conservation Resources for Development of 2026 RWP

B. IBWC Dr. Maria-Elena Giner
Commissioner

C. TCEQ Watermaster Georgina Bermea
Rio Grande Watermaster

- 1. Status of Reservoirs

6. Discussion, Consideration, and **ACTION** on Date for Next Business Meeting.....Chairman

7. Adjourn

Agenda items may be considered, deliberated and/or acted upon in a different order than numbered above. The Board of Directors of the Rio Grande Regional Water Planning Group (RGRWPG) (Region M) reserves the right to adjourn into Executive (Closed) Session at any time during the course of this meeting to discuss any of the items listed on this agenda as authorized by the Texas Open Meetings Act. No final action will be taken during the Executive Session.

PUBLIC INPUT POLICY

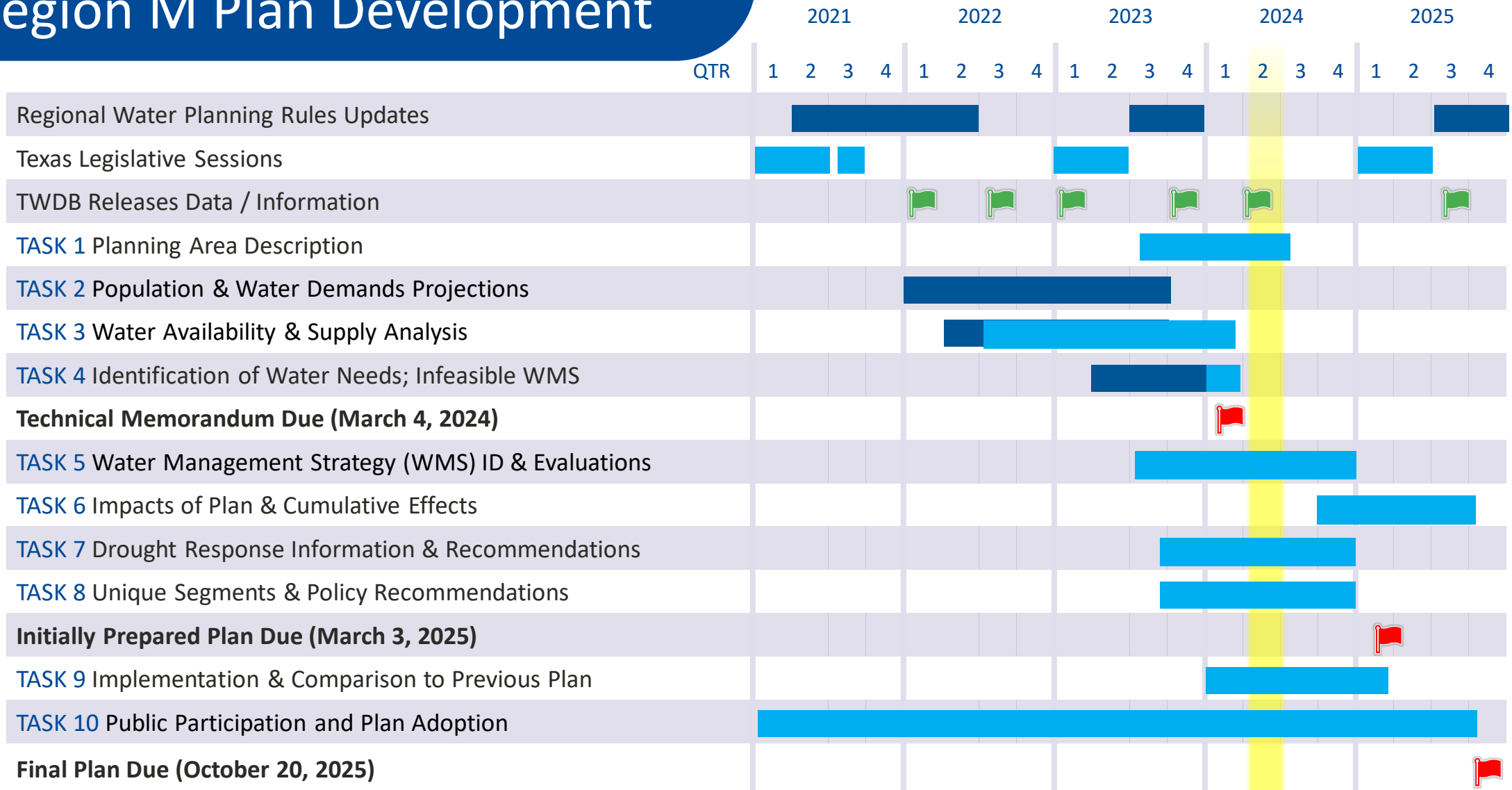
Public Input Policy: "At the beginning of each RGRWPG meeting, the RGRWPG will allow for an open public forum/comment period. This comment period shall not exceed one (1) hour in length, and each speaker will be allowed a maximum of three (3) minutes to speak. All individuals desiring to address the RGRWPG must be signed up to do so, prior to the open comment period. The purpose of this comment period is to provide the public an opportunity to address issues or topics that are under the jurisdiction of the RGRWPG as outlined within final implementation guidelines of Senate Bill 1, 75th Legislative Session (SB-1). For issues or topics which are not otherwise part of the posted agenda for the meeting, RGRWPG members may direct staff to investigate the issue or topic further. No action shall be taken on issues or topics which are not part of the posted agenda for the meeting. Members of the public may be recognized on posted agenda items deemed appropriate by the Chairman as these items are considered, and the same time limitation (3 minutes) applies."

ITEM 4A.

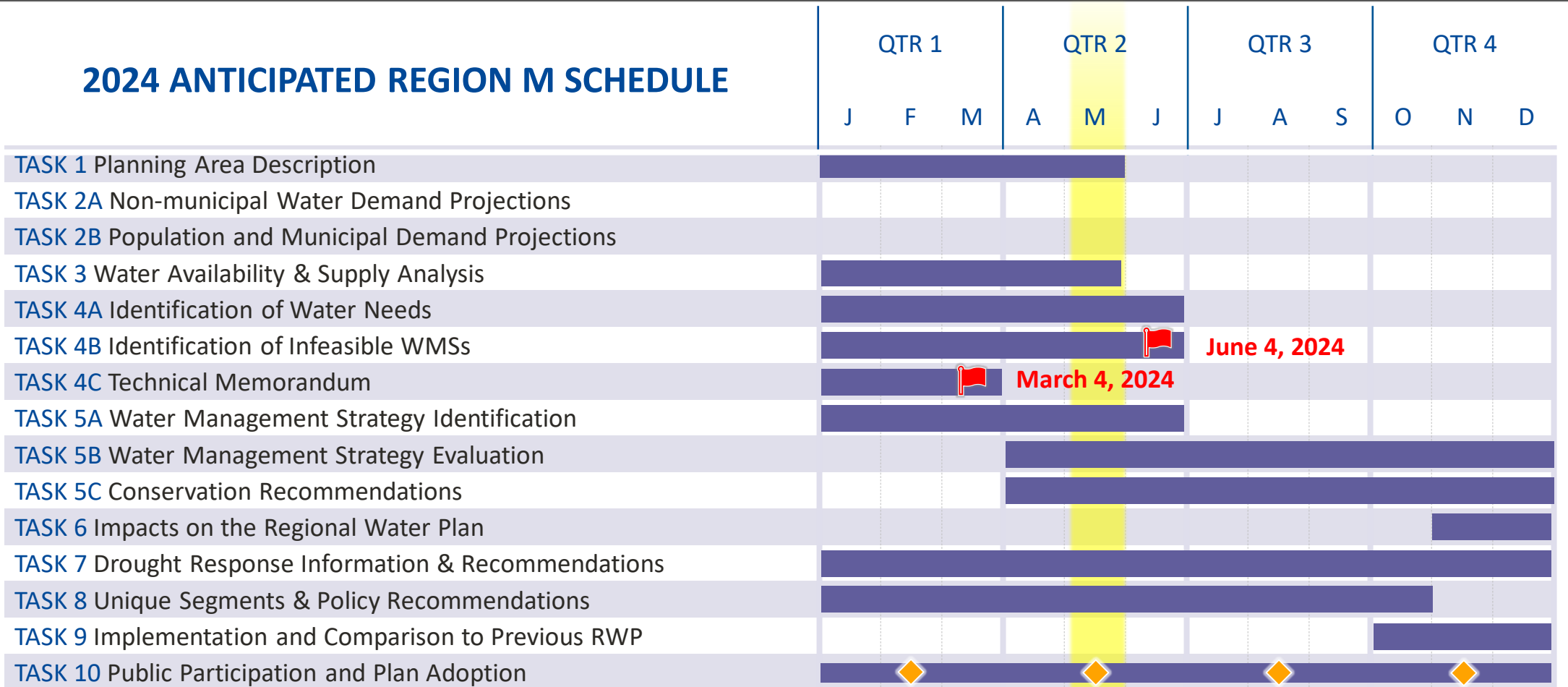
STATUS ON CURRENT TWDB CONTRACT ACTIVITIES

Agenda Item 4.A.1: Schedule and Progress Update

Conceptual Schedule for Region M Plan Development



2024 ANTICIPATED REGION M SCHEDULE



LEGEND

█ Other Activities

█ Region M Activities

🚩 TWDB Deadline

◆ Region M RWPG Meeting

Progress Since Last Meeting

- Submitted approved technical memorandum to TWDB
- Submitted draft amendment for infeasible WMSs to TWDB for determination of minor amendment status
- Submitted approved scope of work for Task 5B WMS evaluations to TWDB for Notice to Proceed
- Held Groundwater/Surface Water Modeling Subcommittee meeting to discuss details of surface water modeling
- Continued work to update supplies in DB27 to determine needs
- Continued work on draft chapters
- Prepared final draft amendment for presentation to RWPG

Update on New or Ongoing Efforts

- Beginning water management strategy evaluations
- Sending communication out to defined “rural entities” within the region to provide information from TWDB and encourage engagement in the regional water planning process
- Review of Drought Contingency Plans and beginning work on Chapter 7
- Beginning updates on policy recommendations for Chapter 8

Timeline/Process for Chapters Review

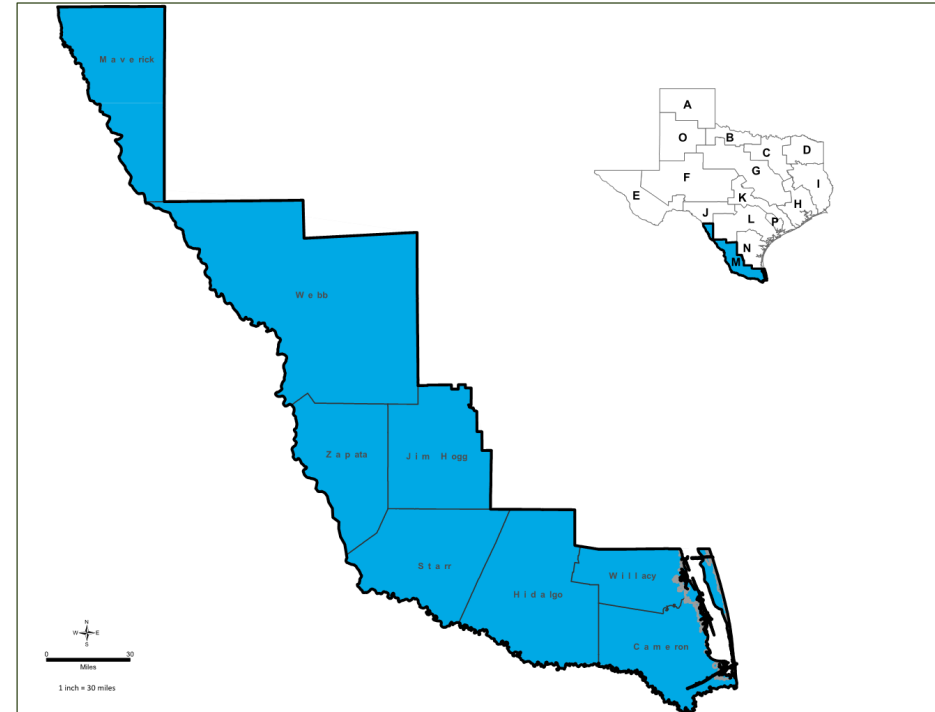
- Will be sending out draft chapters 1-4 for RWPG members' review over next couple of months
- Anticipate providing links to documents where all members can provide comments and see others' comments
- Would like to finalize comments before end of 2024
 - Initially Prepared Plan due March 3, 2025

Chapter 1

Description of the Regional Water Planning Area

- Planning Background
- Description of Area
 - Climate
 - Population and Economy
 - Surface Water Resources and Quality
 - Drought of Record
 - Groundwater Resources and Quality
- Current Water Use
- Major Water Providers
- Agricultural and Natural Resources, and Threats to Them
- Existing regional and local water plans

- Current preparations for drought
- Water loss audit data

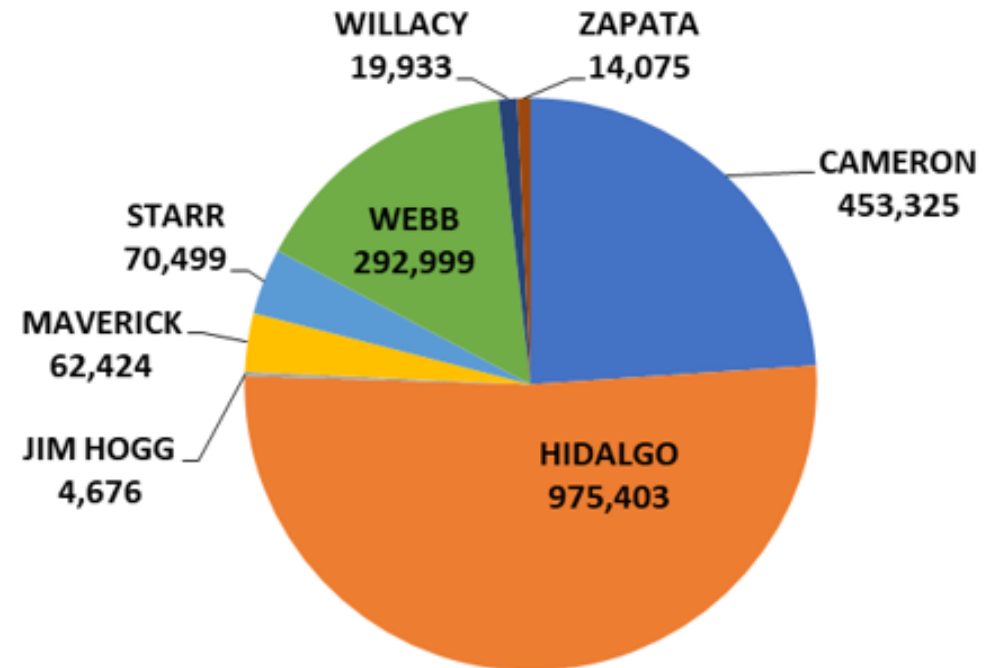


Chapter 2

Population and Water Demands

- Introduction
- Methodology and Projections
 - Population and Municipal Demands
 - Manufacturing Water Demands
 - Steam-Electric Water Demands
 - Mining Water Demands
 - Irrigation Water Demands
 - Livestock Water Demands
- Major Water Providers

2030 Population Distribution Among the Eight Counties of Region M (acft/yr)



Chapter 3

Water Supply Analysis

- Introduction
- Surface Water Availability
 - River Basin Sources
 - Allocation of Surface Water Supplies
- Groundwater Availability
 - Aquifer Sources
 - Allocation of Surface Water Supplies
- Recycled Water
- Major Water Providers

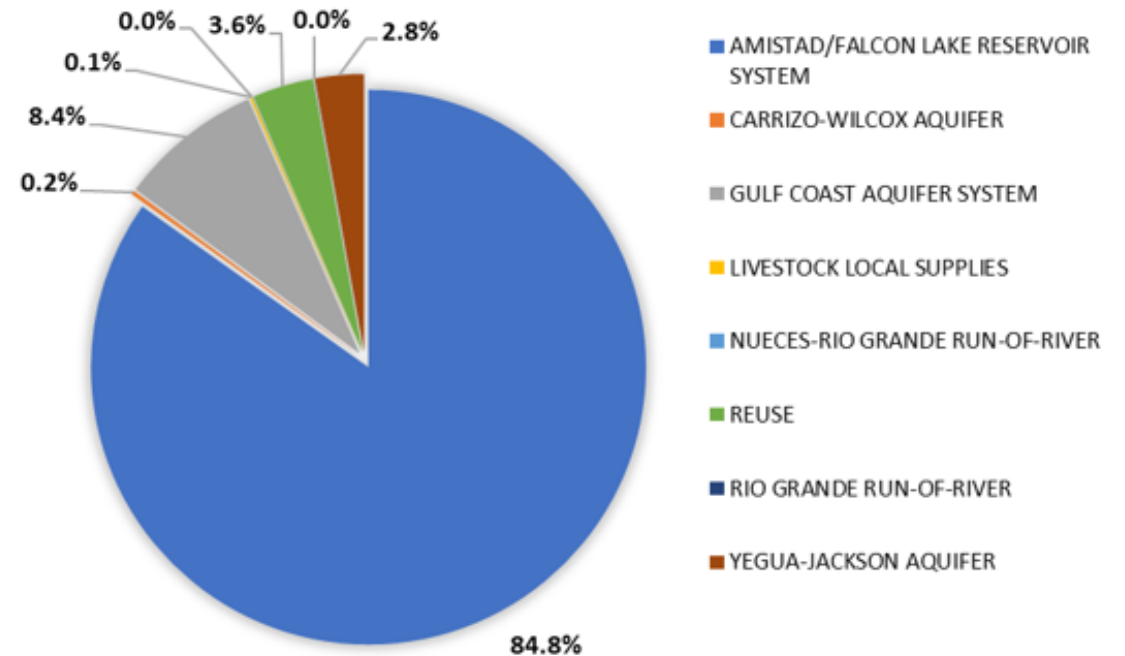


Figure 3-1 Major Groundwater, Surface Water, and Reuse Water Source Projections in Region M

Chapter 4

Identification of Water Needs

- Introduction
- Regional Needs Summary
- Municipal Needs
- Irrigation Needs
- Steam-Electric Needs
- Mining Needs
- Manufacturing Needs
- Livestock Needs
- Major Water Providers' Needs
- Secondary Needs Analysis

Municipal Needs Analysis by County (AFY) – Cameron

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Cameron	Brownsville	-	-	-	-	-	-
	Combes	-	-	-	-	-	-
	County-Other	2,434	1,561	638	-	-	-
	East Rio Hondo WSC	-	-	118	639	921	1,216
	El Jardin WSC	185	211	224	220	216	212
	Harlingen	-	-	-	-	-	-
	La Feria	-	-	-	-	-	-
	Laguna Madre Water District	-	-	-	-	-	-
	Los Fresnos	-	-	-	-	-	-
	Military Highway WSC	55	142	180	165	149	132
	North Alamo WSC	126	143	150	147	145	143
	Olmito WSC	-	-	-	-	-	-
	Palm Valley	-	-	-	-	-	-
	Primera	25	185	295	379	471	522
	Rio Hondo	-	-	-	-	-	-
	San Benito	-	-	-	-	-	-
	Santa Rosa	-	-	-	-	-	-
Valley MUD 2	-	-	-	-	-	-	
Cameron Total		2,825	2,242	1,605	1,550	1,902	2,225

Municipal Needs Analysis by County (AFY) - Hidalgo

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Hidalgo	Agua SUD	-	-	-	-	59	205
	Alamo	-	-	-	-	-	-
	County-Other	965	-	-	-	-	-
	Donna	-	-	-	-	-	-
	Edcouch	-	-	-	-	-	-
	Edinburg	8,254	9,159	9,772	9,970	10,169	10,368
	Elsa	-	-	-	-	-	-
	Hidalgo	6	6	7	7	8	9
	Hidalgo County MUD 1	-	-	-	-	-	17
	La Joya	232	269	294	308	323	337
	La Villa	-	30	56	53	50	47
	McAllen	1,361	5,494	11,326	12,558	13,809	15,080
	Mercedes	-	-	-	-	-	-
	Military Highway WSC	-	-	-	-	-	-
	Mission	-	630	1,317	1,792	2,275	2,764
	North Alamo WSC	12,797	16,056	18,254	18,625	18,993	19,362
	Pharr	1,803	2,310	2,676	2,864	3,053	3,244
	San Juan	-	-	-	-	-	-
	Sharyland WSC	-	-	794	1,035	1,276	1,516
	Weslaco	-	-	-	-	-	-
Hidalgo Total		25,418	33,954	44,496	47,212	50,015	52,949

Municipal Needs Analysis by County (AFY) - Maverick

- No municipal needs in Jim Hogg County

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Maverick	County-Other	-	-	-	-	-	-
	Eagle Pass	-	-	92	559	1,023	1,486
	Maverick County	-	-	-	-	-	-
Maverick	Total	-	-	92	559	1,023	1,486

Municipal Needs Analysis by County (AFY) - Starr

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Starr	Agua SUD	-	-	-	-	-	-
	County-Other	215	217	231	282	337	392
	El Sauz WSC	62	76	87	91	95	99
	El Tanque WSC	24	-	-	-	-	-
	La Grulla	867	961	1,035	1,082	1,130	1,178
	Rio Grande City	712	980	1,188	1,326	1,466	1,608
	Rio WSC	193	337	433	433	431	429
	Roma	-	-	-	67	156	247
	Union WSC	691	749	799	845	892	939
Starr Total		2,764	3,320	3,773	4,126	4,507	4,892

Municipal Needs Analysis by County (AFY) - Webb

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Webb	County-Other	1,117	643	178	178	183	184
	Laredo	-	-	-	-	-	-
	Mirando City WSC	-	-	-	-	-	-
	Webb County	-	-	302	276	250	223
Webb Total		1,117	643	480	454	433	407

Municipal Needs Analysis by County (AFY) - Willacy

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Willacy	County-Other	-	-	-	-	-	-
	Lyford	-	-	-	-	-	-
	North Alamo WSC	-	25	74	108	145	183
	Port Mansfield PUD	40	67	102	156	219	292
	Raymondville	-	-	-	-	-	-
	Sebastian MUD	-	-	-	-	-	-
	Willacy Total		40	92	176	264	364

Municipal Needs Analysis by County (AFY) - Zapata

COUNTY	WUG	2030	2040	2050	2060	2070	2080
Zapata	County-Other	-	-	11	20	26	32
	Falcon Rural WSC	-	-	-	-	-	-
	Siesta Shores WCID	-	-	-	-	-	-
	Zapata County	-	-	-	-	-	-
	Zapata County San Ygnacio & Ramireño	-	-	-	-	-	-
	Zapata County WCID-Hwy 16 East	-	-	-	-	-	-
Zapata Total		-	-	11	20	26	32

Irrigation Needs Analysis by County (AFY)

COUNTY	BASIN	WUG	2030	2040	2050	2060	2070	2080
Cameron	Nueces-Rio Grande	Irrigation	339,484	323,376	307,273	291,308	275,417	259,628
Cameron	Rio Grande	Irrigation	21,880	20,852	19,822	18,802	17,790	16,783
Hidalgo	Nueces-Rio Grande	Irrigation	413,314	392,256	371,195	350,368	329,708	309,124
Hidalgo	Rio Grande	Irrigation	17,102	16,228	15,359	14,495	13,642	12,790
Jim Hogg	Nueces-Rio Grande	Irrigation	0	0	0	0	0	0
Jim Hogg	Rio Grande	Irrigation	0	0	0	0	0	0
Maverick	Rio Grande	Irrigation	21,418	19,466	17,515	15,604	13,723	11,856
Starr	Rio Grande	Irrigation	21,231	20,466	19,702	18,940	18,182	17,427
Webb	Rio Grande	Irrigation	6,696	6,365	6,033	5,707	5,386	5,070
Willacy	Nueces-Rio Grande	Irrigation	76,330	73,148	69,966	66,803	63,656	60,514
Zapata	Rio Grande	Irrigation	3,621	3,459	3,296	3,136	2,977	2,821
REGION M TOTAL IRRIGATION NEEDS			921,076	875,616	830,161	785,163	740,481	696,013

Agenda Item 4.A.2: Consideration and Action Regarding Amendment to the 2021 Region M Water Plan to Address Infeasible Water Management Strategies

FINAL DRAFT

**MINOR AMENDMENT
2021 RIO GRANDE REGIONAL WATER PLAN
(REGION M)**

Remove Infeasible Water Management
Strategies – Edinburg and McAllen

B&V PROJECT NO. 411250

PREPARED FOR

Rio Grande Regional Water Planning Group

3 MAY 2024



List of Abbreviations

acft	Acre-Feet
acft/yr	Acre-Feet per Year
mgd	Million Gallons per Day
RGRWPG	Rio Grande Regional Water Planning Group
RWP	Regional Water Plan
RWPA	Regional Water Planning Area
RWPG	Regional Water Planning Group
SWP	State Water Plan
TWDB	Texas Water Development Board
WUG	Water User Group

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ATTACHMENTS

- A. Agency and Public Comments with Responses (To Be Included After the Comment Period)
- B. Updated State Water Planning Database (DB22) Reports

INTRODUCTION

At the November 1, 2023, Region M meeting, the Rio Grande Regional Water Planning Group (RGRWPG) reviewed information presented to them regarding potentially infeasible water management strategies in the 2021 Rio Grande Regional Water Plan (RWP) and agreed that two water management strategies should be identified as infeasible for the 2020 and 2030 decade, respectively. The process to identify potentially infeasible water management strategies is included as Task 4B of the 2026 Planning Cycle Scope of Work. Per the Texas Water Development Board (TWDB), *in accordance with contract guidance for the 2021 RWPs, recommended strategies and projects with an online decade of 2020 were required to be online and delivering water by January 5, 2023. For example, if any such strategies and projects are not currently implemented by this date and the project sponsor has not taken any affirmative steps towards implementation, the 2021 RWP must be amended to remove or revise the strategy or project to make them feasible. RWPGs are also encouraged to review additional near-term strategies or projects with lengthy permitting or construction processes.*

As a result, this amendment revises the online decades for two water management strategies. One is the Non-Potable Reuse water management strategy for Edinburg, which moves the online decade back to 2030. The project components included with the strategy that were identified as infeasible for the 2020 decade are Conveyance/Transmission Pipeline, New Water Treatment Plant, Pump Station, and Storage Tank. This project was identified as infeasible for the 2020 decade because the project has been put on hold. This revision does result in Unmet Needs in 2020 for Edinburg. All potentially feasible WMS were considered to meet Edinburg's unmet needs in the 2020 decade. Drought management and conservation have already been recommended for Edinburg. To potentially meet the unmet needs in 2020, Edinburg would need to implement severe watering restrictions that are beyond what is recommended in this plan. In addition, Edinburg currently has contracts with HCID #1, HCID#2 and McAllen to purchase water. Edinburg could potentially utilize an emergency water supply contract to meet any unmet needs to ensure the public health, safety, and welfare in the 2020 decade. Due to the timing of the 2026 regional water planning cycle, there will likely not be an occasion prior to the development of the next IPP to amend the 2021 RWP to address all or a portion of Edinburg's remaining unmet needs in the 2020 decade.

The other is the North WWTP Potable Reuse Phase 1 water management strategy for McAllen, which moves the online decade back to 2040. The project components included with the strategy that were identified as infeasible for the 2030 decade are Conveyance/Transmission Pipeline, New Water Treatment Plant, Pump Station, and Storage Tank. This project was identified as infeasible for the 2030 decade because McAllen has not taken any affirmative action to move this project forward. This revision does not result in Unmet Needs for McAllen.

MODIFICATIONS AND ADDITIONS TO THE 2021 RIO GRANDE REGIONAL WATER PLAN

The following are changes proposed to the various chapters of the 2021 Rio Grande Regional Water Plan (RGRWP) in order to revise the Non-Potable Reuse water management strategy for Edinburg and the North WWTP Potable Reuse Phase 1 water management strategy for McAllen. **Insertions** are shown as underlined, **deletions** in ~~strikethrough~~.

CHAPTER 5

A.5.1 MODIFICATION TO TABLE 5.3-96, PAGE 5.3-74

Table 5.1-1 Steam-Electric Power, Cameron WMS Supplies (acft/yr)

STEAM-ELECTRIC POWER, CAMERON	2020	2030	2040	2050	2060	2070
Recommended WMS						
Brownsville Non-Potable Water Reuse Pipeline	0	6,720	6,720	6,720	6,720	6,720
Edinburg Non-Potable Water Reuse for Cooling Tower	<u>0</u> 677	0	0	0	0	0
Implementation of Industrial BMPs	355	355	355	355	355	355
New Supplies from WMS	<u>355</u> 1,032	7,075	7,075	7,075	7,075	7,075
WUG Balance After WMS	<u>(3,070)</u> (2,393)	3,650	3,650	3,650	3,650	3,650
Alternative WMS*						
Brownsville - Seawater Desalination Demonstration and Implementation	0	33	33	33	332	332
*Alternative WMS evaluated in Section 5.4						

A.5.2 MODIFICATION TO TABLE 5.3-157, PAGE 5.3-108

Table 5.2-1 Edinburg WMS Supplies (acft/yr)

EDINBURG	2020	2030	2040	2050	2060	2070
Advanced Municipal Water Conservation	0	0	329	1,290	2,549	4,035
Conversion of Water Rights	3,236	5,072	10,758	12,411	13,824	14,969
ID Improvements - HCID No. 1	259	350	216	261	305	350

EDINBURG	2020	2030	2040	2050	2060	2070
ID Improvements - HCID No. 2	11	79	146	214	281	349
Municipal Drought Management	488	606	724	843	961	1,076
Non-Potable Reuse	0 3,243	3,920	3,920	3,920	3,920	3,920
New Supplies from WMS	3,994 7,237	10,027	16,093	18,938	21,840	24,700
WUG Balance After WMS	(2,841) 402	436	1,742	1,676	1,603	1,548

A.5.3 MODIFICATION TO TABLE 5.3-171, PAGE 5.3-117, AND TO LAST PARAGRAPH ON PAGE 5.3-121

Table 5.3-1 McAllen Water WMS Supplies (acft/yr)

MCALLEN	2020	2030	2040	2050	2060	2070
Recommended WMS						
Advanced Municipal Water Conservation	0	3,558	8,804	15,340	22,992	28,889
AMI Project	1,140	1,140	1,140	1,140	1,140	1,140
Brackish Groundwater Desalination Plant	0	2,688	2,688	2,688	2,688	2,688
Conversion of Water Rights	0	0	2,968	3,622	5,223	8,370
ID Improvements - HCID No. 1	196	264	333	402	471	540
ID Improvements - HCID No. 2	29	204	378	552	727	901
ID Improvements - HCWID No. 3	1,672	1,672	1,672	1,672	1,672	1,672
ID Improvements - United ID	1,227	1,227	1,227	1,227	1,227	1,227
Raw Waterline Project	800	800	800	800	800	800
Municipal Drought Management	1,071	1,330	1,589	1,850	2,110	2,363
North WWTP Potable Reuse	0	0 3,880	3,880	6,060	6,060	6,060
New Supplies from WMS	6,135	12,882 16,762	25,479	35,353	45,110	54,650
WUG Balance After WMS	3,263	1,287 5,167	3,191	3,976	4,460	4,945
Alternative WMS*						
Expand Existing Groundwater Supply	0	500	500	500	1,500	1,500
*Alternative WMS are evaluated in Section 5.4.						

Available Supply

Based on recorded WWTP flows, the current annual average flow for McAllen North WWTP is 11.25 mgd. It is assumed that half of the effluent flow will be produced for potable reuse. Approximately 3,880 acft/yr of potable reuse will be produced in ~~2040~~ 2030 and expanding to 6,060 acft/yr of potable wastewater effluent in 2050.

A.5.4 MODIFICATION TO TABLE 5.3-329, PAGE 5.3-216

Table 5.4-1 MWP Management Supply Factors

ENTITY	2020	2030	2040	2050	2060	2070
Agua SUD	1.3	1.2	1.5	1.4	1.4	1.4
Alamo	1.1	1.3	1.2	1.2	1.2	1.2
Bayview ID	0.8	0.8	0.8	0.8	0.8	0.8
BPUB	1.2	1.3	1.2	1.2	1.1	1.1
Brownsville ID	0.8	0.8	0.8	0.8	0.9	0.9
CCID #10	0.5	0.5	0.5	0.5	0.5	0.5
CCID #2	0.4	0.4	0.4	0.4	0.4	0.4
CCID #6	0.6	0.6	0.6	0.6	0.6	0.6
Delta Lake ID	0.7	0.7	0.8	0.8	0.8	0.8
Donna ID	0.7	0.7	0.8	0.8	0.8	0.8
Eagle Pass	1.2	1.2	1.1	1.1	1.1	1.1
ERHWSC	1.4	1.5	1.5	1.4	1.4	1.3
Edinburg	0.8 1.0	1.0	1.1	1.1	1.1	1.1
Harlingen Water Works System	1.4	1.3	1.3	1.2	1.2	1.2
Harlingen ID	0.9	0.9	0.9	1	1	1
HCID #1	0.9	0.9	0.9	0.9	0.9	0.9
HCID #16	0.8	0.8	0.8	0.8	0.8	0.8
HCID #2	0.8	0.8	0.8	0.8	0.8	0.9
HCID #6	0.8	0.8	0.8	0.8	0.8	0.8
HCWID #3	1.0	1.0	1.0	1.0	1.0	1.0
H&CCID #9	0.7	0.8	0.8	0.8	0.8	0.8
La Feria ID	0.8	0.8	0.8	0.8	0.8	0.9
Laguna Madre Water District	1.3	1.3	1.3	1.4	1.3	1.3
Laredo	1.4	1.2	1.1	1.0	1.0	1.0

ENTITY	2020	2030	2040	2050	2060	2070
McAllen	1.1	<u>1.0</u> 1.1	1.1	1.1	1.1	1.1
Military Highway WSC	1.2	1.1	1.1	1.1	1	1
Mission	1	1	1.1	1.1	1.1	1.1
NAWSC	1	1.1	1.3	1.4	1.4	1.3
Pharr	1.7	1.5	1.3	1.2	1.1	1.1
Rio Grande City	0.9	0.9	0.9	0.9	0.9	0.9
San Benito	1.2	1.4	1.5	1.4	1.3	1.3
San Juan	1	1.3	1.5	1.4	1.4	1.3
Sharyland WSC	1.1	1.2	1.1	1.1	1.1	1.1
SRWA	1	1	1	1	1	1
United ID	1	1	1	1	1	1
Weslaco	1.1	1.1	1.1	1	1	1

CHAPTER 6

A.6.1 MODIFICATION TO FIRST PARAGRAPH OF SECTION 6.3 UNMET NEEDS, PAGE 6-3

There are ~~no~~ municipal unmet needs in 2020 in Region M, as a result of the identification of an infeasible water management strategy during the 2026 planning cycle and as detailed in Section 6.3.5. However In addition, there are unmet needs in non-municipal water user groups (WUGs) as detailed below.

A.6.2 ADDITION OF SECTION 6.3.5 MUNICIPAL, INCLUDING TABLE 6-6, PAGE 6-8

6.3.5 Municipal

Municipal shows an unmet need in 2020 in Hidalgo County (Table 6-6). During the 2026 planning cycle, it was identified that the Non-Potable Reuse water management strategy for Edinburg had been put on hold and the project sponsor had not taken action to move it forward. As a result, the strategy was identified as infeasible for the 2020 decade and removed as a strategy for that decade only.

All potentially feasible WMS were considered to meet Edinburg’s unmet needs in the 2020 decade. Drought management and conservation have already been recommended for Edinburg. To potentially meet the unmet needs in 2020, Edinburg would need to implement severe watering restrictions that are beyond what is recommended in this plan. In addition, Edinburg currently has contracts with HCID #1, HCID#2 and McAllen to purchase water. Edinburg could potentially utilize an emergency water supply

[contract to meet any unmet needs to ensure the public health, safety, and welfare in the 2020 decade. Due to the timing of the 2026 regional water planning cycle, there will likely not be an occasion prior to the development of the next IPP to amend the 2021 RWP to address all or a portion of Edinburg’s remaining unmet needs in the 2020 decade.](#)

Table 6-6 Municipal Supply Balance for WUGs with Unmet Needs (acft/yr)

MUNICIPAL	2020	2030	2040	2050	2060	2070
Hidalgo County – City of Edinburg						
Supplies	6,139	6,139	4,222	4,222	4,222	4,222
Demand	12,974	15,730	18,573	21,484	24,459	27,374
Need(-)/Surplus(+)	(6,835)	(9,591)	(14,351)	(17,262)	(20,237)	(23,152)
Balance After WMS	(2,841)	436	1,742	1,677	1,603	1,547
Total Unmet Need	(2,841)	(0)	(0)	(0)	(0)	(0)
<i>* Summation of unmet needs only; does not include surplus</i>						

CHAPTER 10

A.10.1 ADDITION OF PARAGRAPH TO SECTION 10.1.3, PAGE 10-5

10.1.3 Amendment to the 2021 Region M Plan

An Amendment to the 2021 RGRWP was requested by the Hidalgo County Drainage District 1 in order to add the Delta Region Water Management Supply Strategy to the 2021 RGRWP. A public hearing was held on August 23, 2022, with the public notice of the hearing being emailed to the RWPG members and posted on the Secretary of State and Region M websites on July 22, 2022. Following the public hearing, 30 days were allowed to receive public comments. After the 30-day public comment period, comments were incorporated into the amendment materials. A public meeting was held on September 29, 2022, where the Rio Grande RWPG adopted the Amendment to the 2021 RGRWP. The amendment was then submitted to the TWDB on September 30, 2022, for adoption into the 2022 State Water Plan.

[A second amendment to the 2021 RGRWP was done as a result of work performed for Task 4B during the 2026 planning cycle. This work identified two water management strategies in the 2021 RGRWP that were considered infeasible for their initial online decade because the projects had been put on hold. The analysis was presented at a public meeting with a 14-day notice and public comments were requested. There were no public comments received. As a result of the analysis, this second amendment revises the online decades for two water management strategies. One is the Non-Potable Reuse water management strategy for Edinburg, which moves the online decade from 2020 back to 2030. This revision does result in Unmet Needs in 2020 for Edinburg. The other is the North WWTP Potable Reuse Phase 1 water](#)

[management strategy for McAllen, which moves the online decade from 2030 back to 2040. This revision does not result in Unmet Needs for McAllen. The draft amendment was approved by the RGRWPG for submittal to TWDB for review at their February 2024 meeting. On April 19, 2024, the TWDB provided a response letter to the RGRWPG with the determination that the Proposed Amendment is considered a minor amendment. A copy of the response letter from TWDB is provided in Attachment A. The TWDB's correspondence also included a copy of the updated state water planning database \(DB22\) reports relevant to the amendment, which are included in Attachment B. The amendment was then adopted by the RGRWPG at their May 15, 2024, meeting, after taking public comments during the 14-day period leading up to the meeting.](#)

APPENDIX B

A.APP_B.1 MODIFICATION TO APPENDIX B.5, MWP SECOND TIER WATER NEEDS, PAGES 1 AND 2 OF 3

Entity	MWP Type	Use Type	Second Tier Water Need Projections (acft/yr) ¹					
			2020	2030	2040	2050	2060	2070
Agua SUD	WUG 2nd Tier Needs	Utility	-	-	-	-	-	-
Agua SUD	Contract 2nd Tier Needs	Steam Electric Power	(145)	(145)	(145)	(145)	(145)	(145)
Agua SUD Total			(145)	(145)	(145)	(145)	(145)	(145)
Alamo	WUG 2nd Tier Needs	Utility	(896)	(1,546)	(2,170)	(2,629)	(3,029)	(3,358)
Alamo Total			(1,014)	(1,692)	(2,391)	(3,110)	(3,848)	(4,570)
Bayview Irrigation District #11	Contract 2nd Tier Needs	Irrigation	(1,813)	(1,706)	(1,599)	(1,491)	(1,385)	(1,277)
Bayview Irrigation District #11	Contract 2nd Tier Needs	Municipal	(45)	(42)	(40)	(37)	(34)	(32)
Bayview Irrigation District #11 Total			(1,858)	(1,748)	(1,639)	(1,528)	(1,419)	(1,309)
Brownsville	WUG 2nd Tier Needs	Utility	-	-	-	-	(1,597)	(3,116)
Brownsville	Contract 2nd Tier Needs	Irrigation	-	-	-	-	-	-
Brownsville	Contract 2nd Tier Needs	Manufacturing	-	-	-	-	-	-
Brownsville	Contract 2nd Tier Needs	Municipal	-	-	-	-	-	-
Brownsville	Contract 2nd Tier Needs	Steam Electric Power	-	-	-	-	-	-
Brownsville Total			-	-	-	-	(1,597)	(3,116)
Brownsville Irrigation District	Contract 2nd Tier Needs	Irrigation	(3,989)	(3,701)	(3,414)	(3,127)	(2,840)	(2,553)
Brownsville Irrigation District	Contract 2nd Tier Needs	Municipal	-	-	-	-	-	-
Brownsville Irrigation District	Contract 2nd Tier Needs	WWP	-	-	-	-	-	-
Brownsville Irrigation District Total			(3,989)	(3,701)	(3,414)	(3,127)	(2,840)	(2,553)
Cameron County Irrigation District #10	Contract 2nd Tier Needs	Irrigation	(1,075)	(979)	(884)	(789)	(693)	(598)
Cameron County Irrigation District #10	Contract 2nd Tier Needs	Mining	(4)	(4)	(4)	(4)	(4)	(4)
Cameron County Irrigation District #10	Contract 2nd Tier Needs	WWP	(9,474)	(9,474)	(9,474)	(9,474)	(9,474)	(9,474)
Cameron County Irrigation District #10 Total			(10,553)	(10,457)	(10,362)	(10,267)	(10,171)	(10,076)
Cameron County Irrigation District #2	Contract 2nd Tier Needs	Irrigation	(92,327)	(92,378)	(92,430)	(92,481)	(92,532)	(92,583)
Cameron County Irrigation District #2	Contract 2nd Tier Needs	Manufacturing	(22)	(22)	(22)	(22)	(22)	(23)
Cameron County Irrigation District #2	Contract 2nd Tier Needs	Municipal	(1,602)	(1,612)	(1,622)	(1,632)	(1,642)	(1,652)
Cameron County Irrigation District #2 Total			(93,951)	(94,012)	(94,074)	(94,135)	(94,196)	(94,258)
Cameron County Irrigation District #6	Contract 2nd Tier Needs	Irrigation	(5,343)	(5,020)	(4,697)	(4,374)	(4,051)	(3,728)
Cameron County Irrigation District #6	Contract 2nd Tier Needs	Manufacturing	(5)	(4)	(4)	(4)	(3)	(3)
Cameron County Irrigation District #6	Contract 2nd Tier Needs	Municipal	(766)	(721)	(674)	(628)	(581)	(536)
Cameron County Irrigation District #6	Contract 2nd Tier Needs	WWP	(13,911)	(13,911)	(13,911)	(13,911)	(13,911)	(13,911)
Cameron County Irrigation District #6 Total			(20,025)	(19,656)	(19,286)	(18,917)	(18,546)	(18,178)
Delta Lake Irrigation District	Contract 2nd Tier Needs	Irrigation	(24,585)	(22,569)	(20,553)	(18,540)	(16,527)	(14,516)
Delta Lake Irrigation District	Contract 2nd Tier Needs	Livestock	-	-	-	-	-	-
Delta Lake Irrigation District	Contract 2nd Tier Needs	Municipal	(5,221)	(5,039)	(4,858)	(4,677)	(4,494)	(4,315)
Delta Lake Irrigation District	Contract 2nd Tier Needs	WWP	-	-	-	-	-	-
Delta Lake Irrigation District Total			(29,806)	(27,608)	(25,411)	(23,217)	(21,021)	(18,831)
Donna Irrigation District-Hidalgo County #1	Contract 2nd Tier Needs	Irrigation	(11,457)	(10,453)	(9,449)	(8,445)	(7,442)	(6,440)
Donna Irrigation District-Hidalgo County #1	Contract 2nd Tier Needs	Municipal	(1,953)	(1,783)	(1,613)	(1,442)	(1,271)	(1,100)
Donna Irrigation District-Hidalgo County #1 Total			(13,410)	(12,236)	(11,062)	(9,887)	(8,713)	(7,540)
Eagle Pass	WUG 2nd Tier Needs	Utility	-	-	(209)	(912)	(1,464)	(1,890)
Eagle Pass Total			-	(226)	(1,461)	(2,816)	(4,182)	(5,509)
East Rio Hondo WSC	WUG 2nd Tier Needs	Utility	-	-	-	-	-	-
East Rio Hondo WSC	Contract 2nd Tier Needs	Municipal	-	-	-	-	-	-
East Rio Hondo WSC Total			-	-	-	-	-	-
Edinburg	WUG 2nd Tier Needs	Utility	(6,347)	(4,104)	(5,065)	(9,378)	(11,209)	(14,121)
Edinburg Total			(6,347)	(4,104)	(5,065)	(9,378)	(11,209)	(14,121)
Harlingen	WUG 2nd Tier Needs	Utility	-	-	-	-	-	(104)
Harlingen	Contract 2nd Tier Needs	Manufacturing	-	-	-	-	-	-
Harlingen	Contract 2nd Tier Needs	Municipal	-	-	-	-	-	-
Harlingen Total			-	-	-	-	-	(104)
Harlingen Irrigation District-Cameron County #1	Contract 2nd Tier Needs	Irrigation	(5,005)	(3,623)	(2,242)	(861)	(858)	(856)

Rio Grande Regional Water Planning Group | MINOR AMENDMENT
2021 RIO GRANDE REGIONAL WATER PLAN (REGION M)

Entity	MWP Type	Use Type	Second Tier Water Need Projections (acft/yr) ¹					
			2020	2030	2040	2050	2060	2070
Harlingen Irrigation District-Cameron County #1	Contract 2nd Tier Needs	Municipal	(4,247)	(3,540)	(2,830)	(2,122)	(2,122)	(2,123)
Harlingen Irrigation District-Cameron County #1 Total			(9,252)	(7,163)	(5,072)	(2,983)	(2,980)	(2,979)
Hidalgo County Irrigation District #1	Contract 2nd Tier Needs	Irrigation	(7,895)	(7,329)	(6,764)	(6,199)	(5,635)	(5,071)
Hidalgo County Irrigation District #1	Contract 2nd Tier Needs	Municipal	(5,164)	(4,798)	(3,870)	(3,547)	(3,225)	(2,902)
Hidalgo County Irrigation District #1	Contract 2nd Tier Needs	WWP	-	-	-	-	-	-
Hidalgo County Irrigation District #1 Total			(13,059)	(12,127)	(10,634)	(9,746)	(8,860)	(7,973)
Hidalgo County Irrigation District #16	Contract 2nd Tier Needs	Irrigation	(2,853)	(2,685)	(2,517)	(2,348)	(2,180)	(2,012)
Hidalgo County Irrigation District #16	Contract 2nd Tier Needs	Livestock	(29)	(29)	(29)	(29)	(29)	(29)
Hidalgo County Irrigation District #16	Contract 2nd Tier Needs	Mining	(25)	(25)	(25)	(25)	(25)	(25)
Hidalgo County Irrigation District #16	Contract 2nd Tier Needs	Municipal	(1,047)	(997)	(948)	(898)	(849)	(799)
Hidalgo County Irrigation District #16 Total			(3,954)	(3,736)	(3,519)	(3,300)	(3,083)	(2,865)
Hidalgo County Irrigation District #2	Contract 2nd Tier Needs	Irrigation	(14,208)	(12,949)	(11,692)	(10,433)	(9,176)	(7,921)
Hidalgo County Irrigation District #2	Contract 2nd Tier Needs	Municipal	(7,458)	(6,797)	(6,138)	(5,477)	(4,818)	(4,156)
Hidalgo County Irrigation District #2	Contract 2nd Tier Needs	WWP	(61)	(61)	(61)	(61)	(61)	(61)
Hidalgo County Irrigation District #2 Total			(21,727)	(19,807)	(17,891)	(15,971)	(14,055)	(12,138)
Hidalgo County Irrigation District #6	Contract 2nd Tier Needs	Irrigation	(2,960)	(2,819)	(2,677)	(2,536)	(2,394)	(2,253)
Hidalgo County Irrigation District #6	Contract 2nd Tier Needs	Municipal	(1,695)	(1,615)	(1,534)	(1,454)	(1,374)	(1,293)
Hidalgo County Irrigation District #6 Total			(4,655)	(4,434)	(4,211)	(3,990)	(3,768)	(3,546)
Hidalgo County WID #3	Contract 2nd Tier Needs	Irrigation	(48)	(48)	(47)	(47)	(47)	(47)
Hidalgo County WID #3	Contract 2nd Tier Needs	Mining	(4)	(4)	(4)	(4)	(4)	(4)
Hidalgo County WID #3	Contract 2nd Tier Needs	Municipal	(49)	(49)	(49)	(49)	(49)	(49)
Hidalgo County WID #3 Total			(101)	(101)	(100)	(100)	(100)	(100)
Hidalgo-Cameron County Irrigation District #9	Contract 2nd Tier Needs	Irrigation	(20,589)	(18,902)	(17,215)	(15,530)	(13,845)	(12,162)
Hidalgo-Cameron County Irrigation District #9	Contract 2nd Tier Needs	Municipal	(5,119)	(4,702)	(4,286)	(3,873)	(3,457)	(3,042)
Hidalgo-Cameron County Irrigation District #9 Total			(25,708)	(23,604)	(21,501)	(19,403)	(17,302)	(15,204)
La Feria Irrigation District-Cameron County #3	Contract 2nd Tier Needs	Irrigation	(5,570)	(5,567)	(5,564)	(5,560)	(5,557)	(5,554)
La Feria Irrigation District-Cameron County #3	Contract 2nd Tier Needs	Municipal	(1,710)	(1,610)	(1,510)	(1,310)	(1,010)	(810)
La Feria Irrigation District-Cameron County #3 Total			(7,280)	(7,177)	(7,074)	(6,870)	(6,567)	(6,364)
Laguna Madre Water District	WUG 2nd Tier Needs	Utility	(158)	-	-	(185)	(307)	(342)
Laguna Madre Water District Total			(417)	(1,666)	(2,948)	(4,352)	(5,817)	(7,322)
Laredo	WUG 2nd Tier Needs	Utility	-	-	-	-	-	(537)
Laredo	Contract 2nd Tier Needs	Irrigation	-	-	-	-	-	-
Laredo	Contract 2nd Tier Needs	Manufacturing	-	-	-	-	-	-
Laredo	Contract 2nd Tier Needs	Mining	-	-	-	-	-	-
Laredo Total			-	-	-	-	-	(537)
McAllen	WUG 2nd Tier Needs	Utility	(661)	(5,967)	(4,687)	(6,875)	(6,987)	(8,348)
McAllen	Contract 2nd Tier Needs	Manufacturing	-	-	-	-	-	-
McAllen	Contract 2nd Tier Needs	Municipal	-	-	-	-	-	-
McAllen Total			(661)	(5,967)	(4,687)	(6,875)	(6,987)	(8,348)
Military Highway WSC	WUG 2nd Tier Needs	Utility	-	-	(403)	(821)	(1,194)	(1,512)
Military Highway WSC	Contract 2nd Tier Needs	Municipal	-	-	-	-	-	-
Military Highway WSC Total			-	-	(403)	(821)	(1,194)	(1,512)
Mission	WUG 2nd Tier Needs	Utility	(3,648)	(5,959)	(7,563)	(5,238)	(7,215)	(8,828)
Mission Total			(8,514)	(12,976)	(17,530)	(22,161)	(26,858)	(31,446)
North Alamo WSC	WUG 2nd Tier Needs	Utility	(133)	(243)	(352)	(449)	(534)	(603)
North Alamo WSC	Contract 2nd Tier Needs	Municipal	(52)	(52)	(52)	(52)	(52)	(52)
North Alamo WSC Total			(185)	(295)	(404)	(501)	(586)	(655)
Pharr	WUG 2nd Tier Needs	Utility	-	-	-	-	-	-
Pharr Total			-	(1,360)	(3,238)	(5,184)	(7,193)	(9,165)
Rio Grande City	WUG 2nd Tier Needs	Utility	(1,362)	(1,486)	(1,482)	(1,428)	(1,297)	(1,282)
Rio Grande City	Contract 2nd Tier Needs	Municipal	(687)	(687)	(687)	(687)	(687)	(687)

ATTACHMENT A

Agency and Public Comments with Responses
(To be provided after the comment period)



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

April 12, 2024

Mr. Jim Darling
Chair
Region M Regional Water Planning Group
c/o Lower Rio Grande Valley Development Council
301 W. Railroad
Weslaco, Texas 78596

Dear Chairman Darling:

I have reviewed Region M's request for a minor amendment determination. Based on the request and supporting materials, I have determined that amending the Region M 2021 Regional Water Plan (RWP) to revise the infeasible water management strategies and projects identified for the City of Edinburg (Non-Potable Reuse) and the City of McAllen (North WWTP Potable Reuse Phase 1) constitutes a minor amendment under 31 Texas Administrative Code (TAC) §357.51(c).

If the Region M Regional Water Planning Group adopts the proposed minor amendment, the planning group will need to submit the following items to the Texas Water Development Board (TWDB):

1. Documentation of the planning group action adopting this minor amendment in the form of a cover letter.
2. A final version of the 2021 Region M RWP amendment.

Please note that the final amendment to the 2021 Region M RWP must include the following:

1. A copy of the updated state water planning database (DB22) reports relevant to the amendment (provided by the TWDB).
2. A summary of any public comments received on the proposed amendment and the region's response to the public comments.

Our Mission

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

Board Members

Brooke T. Paup, Chairwoman | George B. Peyton V, Board Member | L'Oreal Stepney, P.E., Board Member
Bryan McMath, Interim Executive Administrator

Mr. Jim Darling, Chair

April 12, 2024

Page 2

After receipt of all required information, the TWDB Board will consider approving the Region M amendment at a regularly scheduled meeting, and then may amend the 2022 State Water Plan, as appropriate.

If Region M makes any substantive changes during the minor amendment process, the TWDB will need to review the modified proposed amendment to ensure that any other changes still meet all of the criteria under 31 TAC §357.51(c).

If you have any questions concerning this determination, please contact Kevin Smith of our Regional Water Planning staff at 512-475-1561 or kevin.smith@twdb.texas.gov.

Sincerely,

Bryan McMath

Interim Executive Administrator

c: Manuel Cruz, Lower Rio Grande Valley Development Council
Jaime Burke, P.E., Black & Veatch, Corp.
Kevin Smith, Water Supply Planning
Sarah Lee, Water Supply Planning

ATTACHMENT B

Updated State Water Planning Database (DB22) Reports

Region M Water User Group (WUG) Second-Tier Identified Water Needs

Second-tier needs are WUG split needs adjusted to include the implementation of recommended demand reduction and direct reuse water management strategies.

	WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Cameron COUNTY - Nueces-Rio Grande BASIN						
Brownsville	0	0	0	0	1,597	3,116
Combes	0	0	0	0	0	0
East Rio Hondo WSC	0	0	0	0	0	0
El Jardin WSC	0	154	356	517	651	771
Harlingen	0	0	0	0	0	104
La Feria	0	0	0	0	0	0
Laguna Madre Water District	158	0	0	185	307	342
Los Fresnos	0	0	0	0	0	0
Military Highway WSC	0	0	403	821	1,194	1,512
North Alamo WSC	133	243	352	449	534	603
Olmito WSC	0	0	0	0	0	0
Palm Valley	0	0	0	0	0	0
Primera	0	0	0	0	0	0
Rio Hondo	0	0	0	0	0	0
San Benito	0	0	0	0	0	130
Santa Rosa	0	0	0	0	0	0
Valley MUD 2	0	0	0	0	0	0
County-Other	2,057	1,754	2,295	2,696	3,312	3,426
Manufacturing	196	274	274	274	274	274
Mining	0	0	0	0	0	0
Steam Electric Power	2,960	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	328,590	312,408	296,224	280,043	263,857	247,675
Cameron COUNTY - Rio Grande BASIN						
Brownsville	0	0	0	0	11	19
El Jardin WSC	0	6	12	17	20	25
Military Highway WSC	0	0	2	4	6	9
Valley MUD 2	0	0	0	0	0	0
County-Other	84	74	91	104	124	127
Manufacturing	257	358	358	358	358	358
Steam Electric Power	110	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	20,750	19,720	18,691	17,659	16,631	15,600
Hidalgo COUNTY - Nueces-Rio Grande BASIN						
Agua SUD	0	0	0	0	0	0
Alamo	896	1,546	2,170	2,629	3,029	3,358
Donna	0	1	387	853	1,182	1,453
Edcouch	68	123	182	246	315	368
Edinburg	6,347	5,065	9,378	11,209	12,807	14,121
Elsa	234	381	537	703	833	921
Hidalgo	60	277	626	894	1,126	1,320
Hidalgo County MUD 1	152	224	300	338	361	375
La Joya	214	314	419	504	571	626
La Villa	33	86	140	192	228	257

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

Region M Water User Group (WUG) Second-Tier Identified Water Needs

	WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Hidalgo COUNTY - Nueces-Rio Grande BASIN						
McAllen	661	5,567	6,875	9,167	8,348	11,253
Mercedes	0	0	69	515	814	1,047
Military Highway WSC	0	0	330	672	976	1,239
Mission	3,648	5,959	7,563	5,238	7,215	8,828
North Alamo WSC	4,732	8,654	12,545	15,997	19,010	21,495
Pharr	0	0	0	0	0	0
San Juan	0	914	0	348	978	1,500
Sharyland WSC	0	1,246	2,785	4,469	5,943	7,160
Weslaco	141	1,332	2,350	3,469	4,443	5,191
County-Other	564	1,223	2,057	2,850	3,648	4,472
Manufacturing	0	0	0	0	0	0
Mining	535	1,181	1,665	2,183	2,777	3,531
Steam Electric Power	380	257	191	191	191	191
Livestock	0	0	0	0	0	0
Irrigation	381,856	360,683	339,529	318,704	297,220	276,066
Hidalgo COUNTY - Rio Grande BASIN						
Agua SUD	0	0	0	0	0	0
Hidalgo	1	3	6	8	11	12
La Joya	56	84	111	133	150	165
Military Highway WSC	0	0	7	14	20	25
Mission	0	3	4	3	4	6
Pharr	0	0	0	0	0	0
County-Other	40	70	113	155	197	241
Mining	92	144	181	222	270	329
Steam Electric Power	258	192	158	158	158	158
Livestock	0	0	0	0	0	0
Irrigation	15,886	15,006	14,125	13,260	12,365	11,484
Jim Hogg COUNTY - Nueces-Rio Grande BASIN						
Jim Hogg County WCID 2	0	0	0	0	0	0
County-Other	0	0	0	0	0	0
Manufacturing	0	0	0	0	0	0
Mining	0	0	28	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	2	0	0	0	0	0
Jim Hogg COUNTY - Rio Grande BASIN						
County-Other	0	0	0	0	0	0
Mining	0	0	3	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
Maverick COUNTY - Nueces BASIN						
County-Other	0	0	0	0	0	0
Mining	79	214	249	136	23	0
Livestock	0	0	0	0	0	0
Maverick COUNTY - Rio Grande BASIN						
Eagle Pass	0	0	209	912	1,464	1,890
Maverick County	0	0	0	0	0	0
County-Other	398	336	285	239	197	157

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

Region M Water User Group (WUG) Second-Tier Identified Water Needs

	WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Maverick COUNTY - Rio Grande BASIN						
Manufacturing	0	0	0	0	0	0
Mining	316	855	998	543	91	0
Livestock	0	0	0	0	0	0
Irrigation	16,560	14,591	12,621	10,652	8,683	6,714
Starr COUNTY - Nueces-Rio Grande BASIN						
County-Other	148	161	172	186	200	212
Mining	72	98	114	131	152	179
Livestock	0	0	0	0	0	0
Starr COUNTY - Rio Grande BASIN						
Agua SUD	0	0	0	0	0	0
El Sauz WSC	51	64	77	92	98	100
El Tanque WSC	93	121	141	153	161	166
La Grulla	672	720	752	805	838	855
Rio Grande City	1,362	1,486	1,482	1,428	1,297	1,282
Rio WSC	0	0	49	85	103	112
Roma	0	0	0	0	0	0
Union WSC	602	639	690	744	777	794
County-Other	397	439	479	526	572	615
Manufacturing	0	18	18	18	18	18
Mining	166	253	307	365	437	527
Livestock	0	0	0	0	0	0
Irrigation	19,142	18,377	17,611	16,846	16,080	15,315
Webb COUNTY - Nueces BASIN						
Webb County	0	0	0	14	31	44
County-Other	0	0	0	0	1	2
Manufacturing	0	0	0	0	0	0
Mining	1,153	529	0	0	0	0
Livestock	0	0	0	0	0	0
Webb COUNTY - Nueces-Rio Grande BASIN						
County-Other	0	0	3	23	45	64
Mining	191	88	0	0	0	0
Livestock	0	0	0	0	0	0
Webb COUNTY - Rio Grande BASIN						
Laredo	0	0	0	0	0	537
Mirando City WSC	0	9	22	31	37	41
Webb County	0	0	0	112	243	332
County-Other	109	140	173	201	232	260
Manufacturing	0	0	0	0	0	0
Mining	2,436	1,083	0	0	0	0
Steam Electric Power	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	0	0	0	0	0	0
Willacy COUNTY - Nueces-Rio Grande BASIN						
East Rio Hondo WSC	0	0	0	0	0	0
Lyford	0	0	0	0	0	0
North Alamo WSC	185	311	419	506	576	631
Port Mansfield PUD	123	127	126	125	121	116

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Region M Water User Group (WUG) Second-Tier Identified Water Needs

	WUG SECOND-TIER NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Willacy COUNTY - Nueces-Rio Grande BASIN						
Raymondville	0	0	0	0	0	0
Sebastian MUD	0	0	0	0	8	25
County-Other	0	0	0	0	0	0
Mining	44	46	14	5	0	0
Livestock	0	0	0	0	0	0
Irrigation	77,149	73,956	70,645	67,453	64,261	61,068
Zapata COUNTY - Rio Grande BASIN						
Falcon Rural WSC	0	0	0	0	0	0
San Ygnacio MUD	0	0	0	0	0	0
Siesta Shores WCID	0	0	0	0	0	0
Zapata County	101	270	392	636	854	1,070
Zapata County WCID-Hwy 16 East	0	0	0	0	0	0
County-Other	56	70	91	114	145	167
Manufacturing	3	3	3	3	3	3
Mining	0	0	0	0	0	0
Livestock	0	0	0	0	0	0
Irrigation	2,448	2,284	2,122	1,958	1,795	1,631

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Region M Water User Group (WUG) Second-Tier Identified Water Needs Summary

Second-tier needs are WUG split needs adjusted to include the implementation of recommended demand reduction and direct reuse water management strategies.

WUG CATEGORY	NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Municipal	20,723	35,929	52,268	65,237	79,292	95,346
COUNTY-OTHER	3,853	4,267	5,759	7,094	8,673	9,743
Manufacturing	456	653	653	653	653	653
Mining	5,084	4,491	3,559	3,585	3,750	4,566
Steam Electric Power	3,708	449	349	349	349	349
Livestock	0	0	0	0	0	0
Irrigation	862,383	817,025	771,568	726,575	680,892	635,553

Region M Water User Group (WUG) Unmet Needs

WUG supplies and projected demands are entered for each of a WUG's region-county-basin divisions. The unmet needs shown in the WUG Unmet Needs report are calculated by first deducting the WUG split's projected demand from the sum of its total existing water supply volume and all associated recommended water management strategy water volumes. If the WUG split has a greater future supply volume than projected demand in any given decade, this amount is considered a surplus volume. In order to display only unmet needs associated with the WUG split, these surplus volumes are updated to a zero and the unmet needs water volumes are shown as absolute values.

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Region M Water User Group (WUG) Unmet Needs

	WUG UNMET NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Cameron COUNTY - Nueces-Rio Grande BASIN						
Manufacturing	189	266	266	266	266	266
Steam Electric Power	2,960	0	0	0	0	0
Irrigation	322,468	309,523	296,399	282,241	269,030	256,499
Cameron COUNTY - Rio Grande BASIN						
Manufacturing	247	348	348	348	347	348
Steam Electric Power	110	0	0	0	0	0
Irrigation	20,361	19,534	18,700	17,800	16,958	16,162
Hidalgo COUNTY - Nueces-Rio Grande BASIN						
Edinburg	2,841	0	0	0	0	0
Mining	535	1,181	1,665	2,183	2,777	3,531
Steam Electric Power	380	257	191	191	191	191
Irrigation	367,686	343,777	327,145	308,497	289,429	271,868
Hidalgo COUNTY - Rio Grande BASIN						
Mining	92	144	181	222	270	329
Steam Electric Power	258	192	158	158	158	158
Irrigation	15,297	14,304	13,609	12,836	12,039	11,309
Jim Hogg COUNTY - Nueces-Rio Grande BASIN						
Mining	0	0	28	0	0	0
Jim Hogg COUNTY - Rio Grande BASIN						
Mining	0	0	3	0	0	0
Maverick COUNTY - Nueces BASIN						
Mining	79	214	249	136	23	0
Maverick COUNTY - Rio Grande BASIN						
Mining	316	855	998	543	91	0
Irrigation	12,274	10,168	10,312	9,187	7,099	4,052
Starr COUNTY - Nueces-Rio Grande BASIN						
Mining	72	98	114	131	152	179
Starr COUNTY - Rio Grande BASIN						
Manufacturing	0	18	18	18	18	18
Mining	166	253	307	365	437	527
Irrigation	19,231	18,598	17,932	17,299	16,664	16,026
Webb COUNTY - Nueces BASIN						
Mining	1,153	529	0	0	0	0
Webb COUNTY - Nueces-Rio Grande BASIN						
Mining	191	88	0	0	0	0
Webb COUNTY - Rio Grande BASIN						
Mining	2,436	1,083	0	0	0	0
Irrigation	1,155	394	667	423	177	0
Willacy COUNTY - Nueces-Rio Grande BASIN						
Mining	44	46	14	5	0	0
Irrigation	77,682	71,958	73,688	72,059	68,956	65,970
Zapata COUNTY - Rio Grande BASIN						
Manufacturing	3	3	3	3	3	3
Irrigation	2,506	2,404	2,309	2,212	2,115	2,016

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Region M Water User Group (WUG) Unmet Needs Summary

WUG supplies and projected demands are entered for each of a WUG’s region-county-basin divisions. The unmet needs shown in the WUG Unmet Needs Summary report are calculated by first deducting the WUG split’s projected demand from the sum of its total existing water supply volume and all associated recommended water management strategy water volumes. If the WUG split has a greater future 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 category level, calculated surpluses are updated to zero so that only the WUGs with unmet needs in the decade are included with the Needs totals. Unmet needs water volumes are shown as absolute values.

WUG CATEGORY	NEEDS (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Municipal	2,841	0	0	0	0	0
COUNTY-OTHER	0	0	0	0	0	0
Manufacturing	439	635	635	635	634	635
Mining	5,084	4,491	3,559	3,585	3,750	4,566
Steam Electric Power	3,708	449	349	349	349	349
Livestock	0	0	0	0	0	0
Irrigation	838,660	790,660	760,761	722,554	682,467	643,902

Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

						WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	2020	2030	2040	2050	2060	2070
Agua SUD	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	404	1,077	1,890
Agua SUD	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$69	0	348	415	483	551	617
Agua SUD	M	HIDALGO COUNTY ID 16 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$336	\$0	282	326	369	413	456	500
Agua SUD	M	HIDALGO COUNTY ID 6 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$394	\$0	720	800	881	961	1,041	1,122
Agua SUD	M	REUSE	M Direct Potable Reuse	\$4443	\$1692	560	560	4,480	4,480	4,480	4,480
Agua SUD	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	1,421	2,500	3,353	4,042
Alamo	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	46	278	587	952
Alamo	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	N/A	\$1790	0	896	896	896	896	896
Alamo	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$78	\$78	118	146	175	203	232	260
Alamo	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	\$117	\$28	1,120	1,120	1,120	1,120	1,120	1,120
Alamo	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	8	57	107	156	205	254
Alamo	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	245	606	1,185	1,591	1,948	2,230
Brownsville	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	2,258	4,355	7,038	10,466	14,463
Brownsville	M	CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$399	\$0	41	49	57	65	73	81
Brownsville	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$74	0	817	949	1,091	1,237	1,388
Brownsville	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	DEMAND REDUCTION	\$1155	\$0	877	877	877	877	877	877
Brownsville	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Nueces-Rio Grande Run-of-River Storage (Banco Morales)	N/A	\$153	0	1,700	1,700	1,700	1,700	1,700
Brownsville	M	REUSE	M Direct Potable Reuse	N/A	\$2908	0	0	0	3,360	3,360	5,040
Brownsville	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	0	338	1,841
Combes	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	4	31
Combes	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$54	\$0	42	63	85	106	106	106
County-Other, Cameron	M	CAMERON COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$669	\$0	63	62	62	61	61	60
County-Other, Cameron	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	\$251	\$40	1,000	1,000	2,000	2,000	3,000	3,000
County-Other, Cameron	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$425	\$0	170	173	175	178	181	183
County-Other, Cameron	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	952	602	948	1,365	2,004	2,119
County-Other, Hidalgo	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$513	\$0	39	104	168	233	298	363
County-Other, Hidalgo	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	575	1,199	2,012	2,782	3,557	4,360
County-Other, Maverick	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	425	350	300	250	225	175

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

						WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	2020	2030	2040	2050	2060	2070
County-Other, Starr	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Starr COUNTY	\$310	\$63	400	400	400	400	400	400
County-Other, Starr	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	160	225	275	325	400	450
County-Other, Webb	M	FRESH GROUNDWATER	M Yegua-Jackson Aquifer Webb COUNTY	\$783	\$86	350	350	350	350	350	350
County-Other, Willacy	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$680	\$0	3	6	8	11	14	16
County-Other, Zapata	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	56	70	91	114	145	167
Donna	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	69	300	578
Donna	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$69	0	0	147	171	195	218
Donna	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$513	\$0	64	170	276	382	488	594
Donna	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	\$1222	\$486	950	950	2,240	2,240	2,240	2,240
Donna	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$2040	\$2308	1,415	2,240	2,361	2,721	2,943	3,107
Eagle Pass	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	481	914	1,525	2,299	3,163
Eagle Pass	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	256	298	338	379	419	456
Eagle Pass	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	370	1,140	1,903	2,605	3,160	3,585
East Rio Hondo WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	112	331	601	930
East Rio Hondo WSC	M	CAMERON COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$669	\$0	427	424	420	416	412	409
East Rio Hondo WSC	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	N/A	\$984	0	400	400	400	400	400
East Rio Hondo WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$69	0	148	152	170	187	208
East Rio Hondo WSC	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$54	\$0	18	27	37	46	46	46
East Rio Hondo WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	DEMAND REDUCTION	N/A	\$6833	0	30	30	30	30	30
East Rio Hondo WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$874	0	800	800	800	800	800
Edcouch	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	0	16
Edcouch	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	13	16	19	23	26	29
Edcouch	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	\$888	\$215	725	725	725	725	725	725
Edcouch	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	14	24	35	45	56	66
Edinburg	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	329	1,290	2,549	4,035
Edinburg	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$52	\$52	488	606	724	843	961	1,076
Edinburg	M	HIDALGO COUNTY ID 1 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$291	\$0	259	350	216	261	305	350
Edinburg	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	11	79	146	214	281	349

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
Edinburg	M	REUSE	M Direct Non-Potable Reuse	N/A	\$254	0	3,920	3,920	3,920	3,920	3,920
Edinburg	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	3,236	5,072	10,758	12,411	13,824	14,969
El Jardin WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	0	71	189	331
El Jardin WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	50	58	66	75	85	94
El Jardin WSC	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$346	\$0	119	162	204	246	288	330
El Jardin WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	DEMAND REDUCTION	\$150727	\$24091	11	11	11	11	11	11
El Jardin WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	23	114	219	329	458	553
El Sauz WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	0	0	9	21
El Sauz WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	7	8	9	10	10	11
El Sauz WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$883	0	150	150	150	150	150
El Sauz WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	60	10	10	10	10	10
El Tanque WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	7	22	41	61
El Tanque WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	6	7	7	8	9	9
El Tanque WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$883	0	150	150	150	150	150
El Tanque WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	100	20	20	20	20	20
Elsa	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	44	128
Elsa	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$44	\$44	30	38	45	52	60	67
Elsa	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	33	58	82	107	132	157
Elsa	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	225	355	499	655	799	934
Falcon Rural WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	12	31	41	54	66
Falcon Rural WSC	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	1	2	3	4	5	7
Falcon Rural WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$883	0	100	100	100	100	100
Harlingen	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	960	2,164	3,215	4,519	6,097
Harlingen	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$54	\$0	1,250	1,889	2,528	3,168	3,168	3,168
Harlingen	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	275	675	1,325
Hidalgo	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	46	184	364	577
Hidalgo	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$49	\$49	43	54	64	74	85	95
Hidalgo	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	N/A	\$127	0	0	300	300	300	300

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
Hidalgo	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	78	298	662	924	1,594	1,352
Hidalgo County MUD 1	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	39	93	153
Hidalgo County MUD 1	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	60	68	75	82	89	96
Hidalgo County MUD 1	M	HIDALGO COUNTY ID 1 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$291	\$0	42	56	71	85	100	115
Hidalgo County MUD 1	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	148	218	254	293	284	292
Irrigation, Cameron	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Amistad-Falcon Lake/Reservoir System	\$10	\$10	955	955	955	955	955	955
Irrigation, Cameron	M	CAMERON COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$669	\$0	5,637	5,586	5,534	5,483	5,432	5,381
Irrigation, Cameron	M	CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$399	\$0	1,668	1,989	2,310	2,631	2,952	3,273
Irrigation, Cameron	M	CAMERON COUNTY WATER IMPROVEMENTS DISTRICT 10 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$406	\$0	50	145	240	335	430	525
Irrigation, Cameron	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	166	290	415	539	663	787
Irrigation, Cameron	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$163	\$0	4,149	5,938	7,727	9,515	9,923	10,332
Irrigation, Cameron	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	9,872	9,872	9,872	9,872	9,872	9,872
Irrigation, Hidalgo	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Amistad-Falcon Lake/Reservoir System	\$10	\$10	1,226	1,226	1,226	1,226	1,226	1,226
Irrigation, Hidalgo	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	2,079	3,635	5,191	6,746	8,300	9,853
Irrigation, Hidalgo	M	HIDALGO COUNTY ID 1 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$291	\$0	1,601	2,164	2,726	3,288	3,850	4,411
Irrigation, Hidalgo	M	HIDALGO COUNTY ID 13 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$515	\$0	72	85	98	111	124	136
Irrigation, Hidalgo	M	HIDALGO COUNTY ID 16 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$336	\$0	1,088	1,255	1,423	1,590	1,757	1,924
Irrigation, Hidalgo	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	212	1,467	2,721	3,975	5,228	6,480
Irrigation, Hidalgo	M	HIDALGO COUNTY ID 5 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$341	\$0	863	863	863	864	864	865
Irrigation, Hidalgo	M	HIDALGO COUNTY ID 6 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$394	\$0	1,259	1,399	1,540	1,680	1,820	1,960
Irrigation, Hidalgo	M	HIDALGO COUNTY WCID 18 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$380	\$0	84	90	95	100	105	110
Irrigation, Hidalgo	M	HIDALGO COUNTY WID 19 (SHARYLAND) CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$465	\$0	393	410	427	444	460	477
Irrigation, Hidalgo	M	HIDALGO COUNTY WID 3 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$2094	\$0	391	391	391	391	391	391
Irrigation, Hidalgo	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$432	\$0	14,000	17,103	20,204	23,304	26,402	29,498
Irrigation, Hidalgo	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	12,654	12,654	12,654	12,654	12,654	12,654
Irrigation, Jim Hogg	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Jim Hogg COUNTY	\$687	\$75	350	350	350	350	350	350

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
Irrigation, Jim Hogg	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	7	7	7	7	7	7
Irrigation, Maverick	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Rio Grande Run-of-River	\$10	\$10	110	110	110	110	110	110
Irrigation, Maverick	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$394	\$0	5,802	6,505	7,208	7,911	8,613	9,315
Irrigation, Maverick	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	1,134	1,134	1,134	1,134	1,134	1,134
Irrigation, Starr	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Amistad-Falcon Lake/Reservoir System	\$10	\$10	43	43	43	43	43	43
Irrigation, Starr	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	439	439	439	439	439	439
Irrigation, Webb	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Rio Grande Run-of-River	\$10	\$10	19	19	19	19	19	19
Irrigation, Webb	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	192	192	192	192	192	192
Irrigation, Willacy	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Amistad-Falcon Lake/Reservoir System	\$10	\$10	178	178	178	178	178	178
Irrigation, Willacy	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$680	\$0	1,104	1,973	2,843	3,711	4,580	5,448
Irrigation, Willacy	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	1,830	1,830	1,830	1,830	1,830	1,830
Irrigation, Zapata	M	ARUNDO DONAX BIOLOGICAL CONTROL	M Amistad-Falcon Lake/Reservoir System	\$10	\$10	9	9	9	9	9	9
Irrigation, Zapata	M	ON-FARM IRRIGATION CONSERVATION	DEMAND REDUCTION	\$1392	\$1392	578	578	578	578	578	578
Jim Hogg County WCID 2	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	16	51	91
La Feria	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	51	139	244
La Feria	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	N/A	\$882	0	1,120	1,120	1,120	1,120	1,120
La Feria	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$428	\$0	383	383	383	383	383	383
La Grulla	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	84	178	257	350	450
La Grulla	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	36	41	45	50	54	57
La Grulla	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	697	745	777	831	864	880
La Joya	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	30	89	159
La Joya	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	17	21	25	29	33	36
La Joya	M	HIDALGO COUNTY ID 16 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$336	\$0	39	45	51	57	63	69
La Joya	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	377	391	503	611	675	737
La Villa	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	6	29	59
La Villa	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	8	10	12	14	16	18
La Villa	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	11	19	27	35	43	51
La Villa	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	37	97	141	188	202	218
Laguna Madre Water District	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	\$681	\$681	129	936	1,917	3,077	4,395	5,840

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

						WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	2020	2030	2040	2050	2060	2070
Laguna Madre Water District	M	DESALINATION	M Gulf of Mexico Saline	N/A	\$3188	0	0	0	1,120	1,120	1,120
Laguna Madre Water District	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	130	152	174	198	223	248
Laguna Madre Water District	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	\$4001	\$3374	2,352	2,352	2,352	2,352	2,352	2,352
Laguna Madre Water District	M	REUSE	M Direct Potable Reuse	N/A	\$34	0	627	892	892	892	892
Laguna Madre Water District	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	373	682	869	980	976	886
Laredo	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	221	3,030	6,713	10,902
Laredo	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$45	0	0	0	2,406	2,686	2,938
Laredo	M	REUSE	M Direct Potable Reuse	N/A	\$2601	0	0	3,360	3,360	6,720	6,720
Laredo	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	0	0	980
Los Fresnos	M	CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$399	\$0	80	95	111	126	142	157
Los Fresnos	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	\$4382	\$3900	560	560	560	560	560	560
Lyford	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	12	33
Lyford	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Willacy COUNTY	N/A	\$534	0	1,120	1,120	1,120	1,120	1,120
Lyford	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$680	\$0	32	58	83	108	134	159
Manufacturing, Cameron	M	CAMERON COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$669	\$0	16	16	16	16	16	15
Manufacturing, Cameron	M	CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$399	\$0	1	2	2	2	3	3
Manufacturing, Cameron	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	165	185	185	185	185	185
Manufacturing, Hidalgo	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	224	272	272	272	272	272
Manufacturing, Maverick	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	7	7	7	7	7	7
Manufacturing, Starr	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	10	12	12	12	12	12
Manufacturing, Webb	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	25	30	30	30	30	30
Manufacturing, Zapata	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	1	1	1	1	1	1
Maverick County	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	12	30	49
McAllen	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	3,558	8,804	15,340	22,992	28,889

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
McAllen	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	N/A	\$1283	0	2,688	2,688	2,688	2,688	2,688
McAllen	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$39	\$39	1,071	1,330	1,589	1,850	2,110	2,363
McAllen	M	HIDALGO COUNTY ID 1 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$291	\$0	196	264	333	402	471	540
McAllen	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	29	204	378	552	727	901
McAllen	M	HIDALGO COUNTY WID 3 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$2094	\$0	1,672	1,672	1,672	1,672	1,672	1,672
McAllen	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$575	\$0	1,227	1,227	1,227	1,227	1,227	1,227
McAllen	M	MCALLEN - AMI PROJECT	DEMAND REDUCTION	\$1747	\$212	1,140	1,140	1,140	1,140	1,140	1,140
McAllen	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Nueces-Rio Grande Run-of-River	\$340	\$201	800	800	800	800	800	800
McAllen	M	REUSE	M Direct Potable Reuse	N/A	\$2790	0	0	3,880	3,880	6,060	6,060
McAllen	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	2,968	3,622	5,223	8,370
Mercedes	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	170	399
Mercedes	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$39	0	0	128	150	171	191
Mercedes	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	95	167	239	310	382	453
Mercedes	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	220	448	609
Military Highway WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	302	757	1,350	2,048
Military Highway WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$69	0	198	231	266	301	336
Military Highway WSC	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$54	\$0	38	57	77	96	96	96
Military Highway WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	100	844	1,457	1,998	2,455	3,079
Mining, Cameron	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	26	28	19	13	6	3
Mining, Hidalgo	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	284	362	420	482	553	643
Mining, Jim Hogg	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	9	10	7	5	3	2
Mining, Maverick	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	199	274	293	230	167	122
Mining, Starr	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	57	70	78	86	96	109
Mining, Webb	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	1,033	805	604	411	185	134
Mining, Willacy	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	5	5	4	3	2	1
Mining, Zapata	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	91	95	71	53	33	21

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
Mirando City WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	0	2	8	15
Mirando City WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$79	0	4	4	5	6	6
Mirando City WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	25	34	47	56	62	66
Mission	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	1,916	4,635	7,721	10,209	12,958
Mission	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	N/A	\$1283	0	2,688	2,688	2,688	2,688	2,688
Mission	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$43	\$43	949	1,178	1,408	1,639	1,870	2,094
Mission	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$575	\$0	1,483	1,483	1,483	1,483	1,483	1,483
Mission	M	REUSE	M Direct Potable Reuse	\$1661	\$1784	3,920	3,920	3,920	7,560	7,560	7,560
Mission	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$2116	2,200	2,587	5,272	4,128	6,287	8,083
North Alamo WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	1,346	3,089	5,449	8,378	11,743
North Alamo WSC	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	N/A	\$1073	0	3,040	3,040	3,040	3,040	3,040
North Alamo WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$48	\$48	759	935	1,112	1,290	1,467	1,640
North Alamo WSC	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	165	290	414	538	662	786
North Alamo WSC	M	HIDALGO COUNTY ID 1 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$291	\$0	69	92	117	141	165	189
North Alamo WSC	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	13	88	163	239	314	390
North Alamo WSC	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$101	\$0	48	65	83	100	117	135
North Alamo WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$6328	0	0	4,480	6,160	6,160	6,160
North Alamo WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$2686	5,363	10,068	17,761	27,254	30,118	32,486
Olmito WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	73	189	275	383	507
Olmito WSC	M	CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$399	\$0	118	140	163	186	209	231
Olmito WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$69	0	31	35	40	45	50
Olmito WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	\$4214	\$3671	1,120	1,120	1,120	1,120	1,120	1,120
Olmito WSC	M	REUSE	M Direct Non-Potable Reuse	\$1672	\$156	290	330	373	421	472	525
Olmito WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	13	66	172	270	358
Palm Valley	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	12	30	38	48	58
Palm Valley	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$54	\$0	16	25	33	42	42	42
Pharr	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	458	1,354	2,433
Pharr	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$63	0	556	665	774	883	989

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
Pharr	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	39	271	502	734	965	1,197
Pharr	M	REUSE	M Direct Potable Reuse	\$878	\$338	6,721	6,721	6,721	6,721	6,721	6,721
Pharr	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	20	20	20	20	20
Port Mansfield PUD	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	\$681	\$681	3	26	52	80	112	144
Port Mansfield PUD	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	7	8	9	10	11	11
Port Mansfield PUD	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$680	\$0	5	9	13	17	21	24
Port Mansfield PUD	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	138	143	143	143	140	135
Primera	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	18	54
Primera	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	N/A	\$900	0	1,120	1,120	1,120	1,120	1,120
Primera	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$67	0	0	0	27	30	34
Primera	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$54	\$0	21	32	43	53	53	53
Primera	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	40	92	129
Raymondville	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	14	110	221
Raymondville	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$680	\$0	190	339	489	638	788	937
Rio Grande City	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	402	901	1,470	2,086	2,544
Rio Grande City	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$87	\$87	70	80	88	97	104	111
Rio Grande City	M	RIO GRANDE CITY - WATER METER REPLACEMENT	DEMAND REDUCTION	\$868	\$116	300	300	300	300	300	300
Rio Grande City	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	1,362	1,486	1,482	1,428	1,297	1,282
Rio Hondo	M	CAMERON COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$669	\$0	75	74	73	73	72	71
Rio Hondo	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	\$86	\$38	1,120	1,120	1,120	1,120	1,120	1,120
Rio Hondo	M	REUSE	M Direct Non-Potable Reuse	\$2947	\$1251	51	56	63	71	80	89
Rio WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	0	0	26	67	114
Rio WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	26	29	32	35	38	40
Rio WSC	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$883	0	300	300	300	300	300
Rio WSC	M	RIO GRANDE CITY - WATER METER REPLACEMENT	M Amistad-Falcon Lake/Reservoir System	\$868	\$116	70	70	70	70	70	70
Rio WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	0	55	71
Roma	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	155	330
Roma	M	MUNICIPAL INFRASTRUCTURE IMPROVEMENTS	M Amistad-Falcon Lake/Reservoir System	N/A	\$883	0	800	800	800	800	800
San Benito	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	29	305	640

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
						2020	2030	2040	2050	2060	2070
San Benito	M	CAMERON COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$669	\$0	588	583	578	573	568	563
San Benito	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Cameron COUNTY	N/A	\$25	0	1,120	1,120	1,120	1,120	1,120
San Benito	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$96	0	0	0	0	0	174
San Benito	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	0	0	304
San Juan	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	93	451	928	1,491
San Juan	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	N/A	\$832	0	2,912	2,912	2,912	2,912	2,912
San Juan	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$66	0	128	153	179	204	228
San Juan	M	HIDALGO COUNTY ID 2 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1912	\$0	10	71	133	194	255	316
San Juan	M	REUSE	M Direct Potable Reuse	N/A	\$948	0	0	2,240	2,240	2,240	2,240
San Juan	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	612	1,181	1,643
San Ygnacio MUD	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	12	32	49	68	90
Santa Rosa	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	0	0	12
Santa Rosa	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$428	\$0	156	156	156	156	156	156
Sebastian MUD	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$79	0	0	0	11	12	13
Sebastian MUD	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	1	20	38
Sharyland WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	831	2,016	3,143	4,560	6,172
Sharyland WSC	M	DESALINATION	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	N/A	\$1831	0	1,800	1,800	1,800	1,800	1,800
Sharyland WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	287	356	425	495	565	633
Sharyland WSC	M	HIDALGO COUNTY ID 1 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$291	\$0	483	653	823	993	1,163	1,333
Sharyland WSC	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$496	\$0	766	813	859	906	952	999
Sharyland WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	343	1,836	3,475	4,904	6,076
Siesta Shores WCID	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	11	29	51
Siesta Shores WCID	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	7	8	9	11	12	14
Siesta Shores WCID	M	ID CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$428	\$0	38	38	38	38	38	38
Siesta Shores WCID	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	2	34	71	102	128	153
Steam-Electric Power, Cameron	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	355	355	355	355	355	355
Steam-Electric Power, Cameron	M	REUSE	M Direct Non-Potable Reuse	N/A	\$416	0	6,721	6,721	6,721	6,721	6,721
Steam-Electric Power, Hidalgo	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	1,154	1,154	1,154	1,154	1,154	1,154
Steam-Electric Power, Hidalgo	M	REUSE	M Direct Non-Potable Reuse	N/A	N/A	0	0	0	0	0	0

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Region M Recommended Water User Group (WUG) Water Management Strategies (WMS)

						WATER MANAGEMENT STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
WUG ENTITY NAME	WMS SPONSOR REGION	WMS NAME	SOURCE NAME	UNIT COST 2020	UNIT COST 2070	2020	2030	2040	2050	2060	2070
Steam-Electric Power, Webb	M	IMPLEMENTATION OF INDUSTRIAL BEST MANAGEMENT PRACTICES	DEMAND REDUCTION	\$3000	\$3000	15	15	15	15	15	15
Union WSC	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$770	0	100	178	258	350	447
Union WSC	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	29	33	37	40	43	46
Union WSC	M	UNION WSC - WATER METER AND WATER LINE REPLACEMENT	DEMAND REDUCTION	\$3080	\$420	88	88	88	88	88	88
Union WSC	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	\$3000	\$3000	715	752	804	857	890	907
Valley MUD 2	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	\$681	\$681	8	104	222	362	523	700
Webb County	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	0	0	51	185	342
Webb County	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	N/A	\$69	0	0	0	44	49	53
Webb County	M	FRESH GROUNDWATER	M Carrizo-Wilcox Aquifer Fresh/Brackish Webb COUNTY	N/A	\$237	0	76	76	76	76	76
Webb County	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	0	0	150	300	400
Weslaco	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	547	1,219	1,924	2,829	3,844
Weslaco	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$79	\$79	258	333	401	470	539	603
Weslaco	M	FRESH GROUNDWATER	M Gulf Coast Aquifer System Fresh/Brackish Hidalgo COUNTY	\$186	\$30	560	560	560	560	560	560
Weslaco	M	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	M Amistad-Falcon Lake/Reservoir System	\$1073	\$0	235	411	588	764	940	1,117
Weslaco	M	REUSE	M Direct Potable Reuse	\$1227	\$568	1,120	1,120	1,120	1,120	1,120	1,120
Weslaco	M	URBANIZATION	M Amistad-Falcon Lake/Reservoir System	N/A	\$3000	0	1,000	1,792	2,735	3,533	4,105
Zapata County	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	155	395	578	807	1,079
Zapata County	M	DROUGHT MANAGEMENT	DEMAND REDUCTION	\$69	\$69	62	73	85	98	112	126
Zapata County	M	FRESH GROUNDWATER	M Yegua-Jackson Aquifer Zapata COUNTY	\$937	\$242	1,120	1,120	1,120	1,120	1,120	1,120
Zapata County WCID-Hwy 16 East	M	ADVANCED MUNICIPAL CONSERVATION	DEMAND REDUCTION	N/A	\$681	0	10	22	38	55	75
REGION M RECOMMENDED WMS SUPPLY TOTAL						137,526	214,632	296,070	370,024	440,183	508,462

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Region M Recommended Projects Associated with Water Management Strategies

SPONSOR NAME	SPONSOR IS WWP?	ONLINE DECADE	PROJECT NAME	PROJECT DESCRIPTION	CAPITAL COST
Agua SUD	YES	2020	AGUA SUD - EAST WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$28,261,000
Agua SUD	YES	2020	AGUA SUD - WEST WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$24,515,000
Agua SUD	YES	2040	AGUA SUD - WEST WWTP POTABLE REUSE PHASE 2	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$24,367,000
Agua SUD	YES	2040	URBANIZATION - AGUA SUD	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$4,263,000
Alamo	NO	2030	ALAMO - BRACKISH GROUNDWATER DESALINATION PLANT	MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT	\$16,845,000
Alamo	NO	2020	ALAMO - FRESH GROUNDWATER WELL	SINGLE WELL	\$1,416,000
Alamo	NO	2020	URBANIZATION - ALAMO	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$735,000
Bayview Irrigation District 11	YES	2020	BAYVIEW ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; WATER LOSS CONTROL; CONSERVATION - AGRICULTURAL	\$10,125,384
Brownsville	YES	2030	BROWNSVILLE - BANCO MORALES RESERVOIR	RESERVOIR CONSTRUCTION	\$12,516,000
Brownsville	YES	2030	BROWNSVILLE - NON-POTABLE WATER REUSE PIPELINE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$99,249,000
Brownsville	YES	2020	BROWNSVILLE - RESACA RESTORATION	DREDGE TO RECOVER CAPACITY	\$14,398,000
Brownsville	YES	2050	BROWNSVILLE - SOUTHSIDE WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$43,787,000
Brownsville	YES	2070	BROWNSVILLE - SOUTHSIDE WWTP POTABLE REUSE PHASE 2	WATER TREATMENT PLANT EXPANSION; PUMP STATION	\$22,759,000
Brownsville	YES	2060	URBANIZATION - BROWNSVILLE	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,014,000
Brownsville Irrigation District	YES	2020	BROWNSVILLE ID CONSERVATION	CONVEYANCE/TRANSMISSION PIPELINE; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY	\$7,637,457
Cameron County Irrigation District 10	YES	2020	CAMERON COUNTY WATER IMPROVEMENT DISTRICT 10 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DREDGE TO RECOVER CAPACITY; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; PUMP STATION; RESERVOIR CONSTRUCTION; WATER LOSS CONTROL	\$2,361,772
Cameron County Irrigation District 2	YES	2020	CAMERON COUNTY ID 2 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$79,856,194
Cameron County Irrigation District 6	YES	2020	CAMERON COUNTY ID 6 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$28,752,120
County-Other, Cameron	NO	2020	COUNTY-OTHER, CAMERON - EXPANDED GROUNDWATER SUPPLY	MULTIPLE WELLS/WELL FIELD	\$9,783,000
County-Other, Cameron	NO	2020	URBANIZATION - CAMERON COUNTY-OTHER	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$2,661,000
County-Other, Hidalgo	NO	2020	URBANIZATION - HIDALGO COUNTY-OTHER	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,725,000
County-Other, Maverick	NO	2020	URBANIZATION - MAVERICK COUNTY-OTHER	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,275,000
County-Other, Starr	NO	2020	COUNTY-OTHER, STARR - ADDITIONAL GROUNDWATER WELLS	MULTIPLE WELLS/WELL FIELD	\$1,404,000
County-Other, Starr	NO	2020	URBANIZATION - STARR COUNTY-OTHER	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$480,000
County-Other, Webb	NO	2020	COUNTY-OTHER, WEBB - ADDITIONAL GROUNDWATER WELLS	MULTIPLE WELLS/WELL FIELD	\$3,469,000
County-Other, Zapata	NO	2020	URBANIZATION - ZAPATA COUNTY-OTHER	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$168,000

Region M Recommended Projects Associated with Water Management Strategies

SPONSOR NAME	SPONSOR IS WWP?	ONLINE DECADE	PROJECT NAME	PROJECT DESCRIPTION	CAPITAL COST
Delta Lake Irrigation District	YES	2020	DELTA LAKE ID - ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$55,808,978
Donna	NO	2020	DONNA - WTP EXPANSION, NEW RAW WATER RESERVOIR, AND RAW WATER PUMP STATION	NEW WATER TREATMENT PLANT; PUMP STATION; RESERVOIR CONSTRUCTION; CONVEYANCE/TRANSMISSION PIPELINE	\$27,155,000
Donna	NO	2020	URBANIZATION - DONNA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$6,720,000
Donna Irrigation District-Hidalgo County 1	YES	2020	DONNA ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$7,459,530
Eagle Pass	NO	2020	URBANIZATION - EAGLE PASS	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$672,000
East Rio Hondo WSC	YES	2030	ERHWSC - FM 2925 TRANSMISSION LINE	CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION	\$8,039,000
East Rio Hondo WSC	YES	2020	ERHWSC - SURFACE WTP PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$45,625,000
East Rio Hondo WSC	YES	2030	NORTH CAMERON REGIONAL WTP WELLFIELD EXPANSION	MULTIPLE WELLS/WELL FIELD; CONVEYANCE/TRANSMISSION PIPELINE	\$3,566,333
East Rio Hondo WSC	YES	2020	URBANIZATION - EAST RIO HONDO WSC (ERHWSC)	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,632,000
Edcouch	YES	2020	EDCOUCH - NEW GROUNDWATER SUPPLY	CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD; PUMP STATION	\$6,931,000
Edinburg	NO	2030	EDINBURG - NON-POTABLE REUSE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$17,177,000
Edinburg	NO	2020	URBANIZATION - EDINBURG	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$9,708,000
El Jardin WSC	NO	2020	EL JARDIN WSC - DISTRIBUTION PIPELINE REPLACEMENT	CONVEYANCE/TRANSMISSION PIPELINE	\$19,802,000
El Jardin WSC	NO	2020	URBANIZATION - EL JARDIN WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$69,000
El Sauz WSC	NO	2020	URBANIZATION - EL SAUZ WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$150,000
El Tanque WSC	NO	2020	URBANIZATION - EL TANQUE WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$75,000
Elsa	YES	2020	URBANIZATION - ELSA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$675,000
Engelman Irrigation District	YES	2020	ENGLEMAN ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$5,262,249
Harlingen	YES	2050	URBANIZATION - HARLINGEN	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$825,000
Harlingen Irrigation District-Cameron County 1	YES	2020	HARLINGEN ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$3,814,870
Hidalgo	NO	2040	HIDALGO - EXPAND EXISTING GROUNDWATER WELLS	NEW WATER TREATMENT PLANT; SINGLE WELL	\$831,000
Hidalgo	NO	2020	URBANIZATION - HIDALGO	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$234,000
Hidalgo County Drainage District 1	YES	2030	DELTA PANCHITA RESERVOIR	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; RESERVOIR CONSTRUCTION; SURFACE WATER INTAKE MODIFICATION	\$61,911,000
Hidalgo County Drainage District 1	YES	2050	ENGLEMAN RESERVOIR	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; RESERVOIR CONSTRUCTION	\$23,634,000
Hidalgo County Drainage District 1	YES	2040	SANTA CRUZ RESERVOIR	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; RESERVOIR CONSTRUCTION	\$82,788,000
Hidalgo County Irrigation District 1	YES	2020	HIDALGO COUNTY ID 1 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$26,418,956

Region M Recommended Projects Associated with Water Management Strategies

SPONSOR NAME	SPONSOR IS WWP?	ONLINE DECADE	PROJECT NAME	PROJECT DESCRIPTION	CAPITAL COST
Hidalgo County Irrigation District 13	YES	2020	HIDALGO COUNTY ID 13 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$772,193
Hidalgo County Irrigation District 16	YES	2020	HIDALGO COUNTY ID 16 CONSERVATION	CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$9,801,872
Hidalgo County Irrigation District 19	YES	2020	HIDALGO COUNTY WID 19 (SHARYLAND) CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$3,789,099
Hidalgo County Irrigation District 2	YES	2020	HIDALGO COUNTY ID 2 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$12,825,016
Hidalgo County Irrigation District 5	YES	2020	HIDALGO COUNTY ID 5 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$6,092,515
Hidalgo County Irrigation District 6	YES	2040	HCID 6 SERVICE AREA EXPANSION	CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION; RESERVOIR CONSTRUCTION; WATER RIGHT/PERMIT LEASE OR PURCHASE	\$19,281,000
Hidalgo County Irrigation District 6	YES	2020	HIDALGO COUNTY ID 6 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$16,160,527
Hidalgo County MUD 1	NO	2020	URBANIZATION - HIDALGO COUNTY MUD 1	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$444,000
Hidalgo County WCID 18	YES	2020	HIDALGO COUNTY WCID 18 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$665,437
Hidalgo County WID 3	YES	2020	HIDALGO COUNTY WID 3 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$70,572,603
Hidalgo-Cameron County Irrigation District 9	YES	2020	HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$63,146,985
Irrigation, Jim Hogg	NO	2020	IRRIGATION, JIM HOGG - ADDITIONAL GROUNDWATER WELLS	MULTIPLE WELLS/WELL FIELD	\$2,631,000
La Feria	NO	2030	LA FERIA - WATER WELL WITH RO UNIT	NEW WATER TREATMENT PLANT; SINGLE WELL	\$7,413,000
La Feria Irrigation District-Cameron County 3	YES	2020	LA FERIA ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DREDGE TO RECOVER CAPACITY; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; PUMP STATION; RESERVOIR CONSTRUCTION; WATER LOSS CONTROL	\$59,989,636
La Grulla	NO	2020	URBANIZATION - LA GRULLA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$2,091,000
La Joya	NO	2020	URBANIZATION - LA JOYA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,131,000
La Villa	NO	2020	URBANIZATION - LA VILLA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$111,000
Laguna Madre Water District	NO	2030	LAGUNA MADRE WATER DISTRICT - POTABLE REUSE	NEW WATER TREATMENT PLANT	\$4,197,000
Laguna Madre Water District	NO	2050	LAGUNA MADRE WATER DISTRICT - SEAWATER DESALINATION PLANT	CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; NEW WATER TREATMENT PLANT	\$40,290,000

Region M Recommended Projects Associated with Water Management Strategies

SPONSOR NAME	SPONSOR IS WWP?	ONLINE DECADE	PROJECT NAME	PROJECT DESCRIPTION	CAPITAL COST
Laguna Madre Water District	NO	2020	LAGUNA MADRE WATER DISTRICT - WTP 1 EXPANSION AND PROCESS IMPROVEMENTS	PUMP STATION; WATER TREATMENT PLANT EXPANSION; NEW WATER RIGHT/PERMIT NO IBT; STORAGE TANK	\$20,953,000
Laguna Madre Water District	NO	2020	URBANIZATION - LAGUNA MADRE WATER DISTRICT	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,119,000
Laredo	YES	2040	LAREDO - SOUTH LAREDO WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$24,714,000
Laredo	YES	2060	LAREDO - SOUTH LAREDO WWTP POTABLE REUSE PHASE 2	PUMP STATION; STORAGE TANK; WATER TREATMENT PLANT EXPANSION; CONVEYANCE/TRANSMISSION PIPELINE	\$37,351,000
Laredo	YES	2070	URBANIZATION - LAREDO	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,800,000
Los Fresnos	NO	2020	LOS FRESNOS - WTP EXPANSION	WATER TREATMENT PLANT EXPANSION	\$3,845,000
Los Fresnos	NO	2020	URBANIZATION - LOS FRESNOS	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,680,000
Lyford	NO	2030	LYFORD - BRACKISH GROUNDWATER WELL AND DESALINATION	NEW WATER TREATMENT PLANT; SINGLE WELL	\$5,753,000
Maverick County WCID 1	YES	2020	MAVERICK COUNTY WCID - ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$50,136,923
McAllen	YES	2020	MCALLEN - AMI PROJECT	DATA GATHERING/MONITORING TECHNOLOGY; WATER LOSS CONTROL	\$24,872,000
McAllen	YES	2030	MCALLEN - BRACKISH GROUNDWATER DESALINATION PLANT	NEW WATER TREATMENT PLANT; MULTIPLE WELLS/WELL FIELD	\$41,344,000
McAllen	YES	2040	MCALLEN - NORTH WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$49,777,000
McAllen	YES	2050	MCALLEN - NORTH WWTP POTABLE REUSE PHASE 2	STORAGE TANK; WATER TREATMENT PLANT EXPANSION; PUMP STATION	\$27,604,000
McAllen	YES	2020	MCALLEN - RAW WATER LINE PROJECT	CONVEYANCE/TRANSMISSION PIPELINE	\$1,576,000
McAllen	YES	2040	URBANIZATION - MCALLEN	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$8,904,000
Mercedes	NO	2050	URBANIZATION - MERCEDES	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$660,000
Military Highway WSC	YES	2020	URBANIZATION - MILITARY HIGHWAY WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$300,000
Mirando City WSC	NO	2020	URBANIZATION - MIRANDO CITY WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$75,000
Mission	NO	2030	MISSION - BRACKISH GROUNDWATER DESALINATION PLANT	NEW WATER TREATMENT PLANT; MULTIPLE WELLS/WELL FIELD	\$41,344,000
Mission	NO	2020	MISSION - WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$43,296,000
Mission	NO	2050	MISSION - WWTP POTABLE REUSE PHASE 2	STORAGE TANK; WATER TREATMENT PLANT EXPANSION	\$39,139,000
Mission	NO	2020	URBANIZATION - MISSION	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$5,961,000
North Alamo WSC	YES	2030	NAWSC - DELTA AREA BRACKISH GROUNDWATER DESALINATION PLANT	MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT	\$28,374,000
North Alamo WSC	YES	2040	NAWSC - DELTA WTP EXPANSION PHASE 1	WATER RIGHT/PERMIT LEASE OR PURCHASE; WATER TREATMENT PLANT EXPANSION	\$16,797,000
North Alamo WSC	YES	2050	NAWSC - DELTA WTP EXPANSION PHASE 2	WATER RIGHT/PERMIT LEASE OR PURCHASE; WATER TREATMENT PLANT EXPANSION	\$10,008,000
North Alamo WSC	YES	2030	NORTH CAMERON REGIONAL WTP WELLFIELD EXPANSION	MULTIPLE WELLS/WELL FIELD; CONVEYANCE/TRANSMISSION PIPELINE	\$7,132,667
North Alamo WSC	YES	2020	URBANIZATION - NORTH ALAMO WSC (NAWSC)	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$16,049,929
Olmito WSC	YES	2020	OLMITO WSC - NEW BIOLAC WWTP	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; STORAGE TANK; PUMP STATION	\$11,311,000
Olmito WSC	YES	2020	OLMITO WSC - WTP EXPANSION	WATER TREATMENT PLANT EXPANSION	\$11,311,000
Olmito WSC	YES	2030	URBANIZATION - OLMITO WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$39,000
Pharr	NO	2020	PHARR - RAW WATER RESERVOIR AUGMENTATION	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$53,015,000
Pharr	NO	2030	URBANIZATION - PHARR	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$60,000

Region M Recommended Projects Associated with Water Management Strategies

SPONSOR NAME	SPONSOR IS WWP?	ONLINE DECADE	PROJECT NAME	PROJECT DESCRIPTION	CAPITAL COST
Port Mansfield PUD	NO	2020	URBANIZATION - PORT MANSFIELD PUD	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$414,000
Primera	NO	2030	PRIMERA - RO WTP WITH GROUNDWATER WELL	NEW WATER TREATMENT PLANT; SINGLE WELL	\$10,804,000
Primera	NO	2050	URBANIZATION - PRIMERA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$120,000
Rio Grande City	YES	2020	RIO GRANDE CITY - WATER METER REPLACEMENT	DATA GATHERING/MONITORING TECHNOLOGY	\$3,945,000
Rio Grande City	YES	2020	URBANIZATION - RIO GRANDE CITY	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$4,086,000
Rio Hondo	NO	2020	RIO HONDO - NEW GROUNDWATER SUPPLY	CONVEYANCE/TRANSMISSION PIPELINE; MULTIPLE WELLS/WELL FIELD	\$765,000
Rio Hondo	NO	2020	RIO HONDO - NON-POTABLE REUSE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$10,848,000
Rio WSC	YES	2060	URBANIZATION - RIO WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$165,000
Roma	NO	2030	ROMA - REGIONAL WTP	NEW WATER TREATMENT PLANT; WATER RIGHT/PERMIT LEASE OR PURCHASE	\$45,625,000
Roma	NO	2020	URBANIZATION - ROMA	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$3,060,000
San Benito	NO	2030	SAN BENITO - NEW GROUNDWATER SUPPLY	MULTIPLE WELLS/WELL FIELD	\$2,214,000
San Benito	NO	2070	URBANIZATION - SAN BENITO	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$912,000
San Juan	NO	2030	SAN JUAN - BRACKISH GROUNDWATER WELL	SINGLE WELL; NEW WATER TREATMENT PLANT	\$8,594,000
San Juan	NO	2040	SAN JUAN - POTABLE REUSE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$24,354,000
San Juan	NO	2030	SAN JUAN - WTP 1 UPGRADE, EXPANSION, AND BGD	MULTIPLE WELLS/WELL FIELD; WATER TREATMENT PLANT EXPANSION	\$11,784,000
San Juan	NO	2050	URBANIZATION - SAN JUAN	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,836,000
Santa Cruz Irrigation District 15	YES	2020	SANTA CRUZ ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$5,356,629
Sebastian MUD	NO	2050	URBANIZATION - SEBASTIAN MUD	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$3,000
Sharyland WSC	NO	2030	SHARYLAND WSC - WELL AND RO UNIT AT WTP 2	NEW WATER TREATMENT PLANT; SINGLE WELL	\$19,805,000
Sharyland WSC	NO	2030	SHARYLAND WSC - WELL AND RO UNIT AT WTP 3	NEW WATER TREATMENT PLANT; SINGLE WELL	\$19,805,000
Sharyland WSC	NO	2030	URBANIZATION - SHARYLAND WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$1,029,000
Siesta Shores WCID	NO	2020	URBANIZATION - SIESTA SHORES WCID	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$6,000
Union WSC	NO	2020	UNION WSC METER AND LINE REPLACEMENT	CONVEYANCE/TRANSMISSION PIPELINE; DATA GATHERING/MONITORING TECHNOLOGY; WATER LOSS CONTROL	\$3,320,000
Union WSC	NO	2020	URBANIZATION - UNION WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$2,145,000
United Irrigation District	YES	2020	UNITED ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL	\$23,387,772
Valley Acres Irrigation District	YES	2020	VALLEY ACRES ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DREDGE TO RECOVER CAPACITY; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; PUMP STATION; RESERVOIR CONSTRUCTION; WATER LOSS CONTROL	\$2,846,479
Webb County	NO	2050	URBANIZATION - WEBB COUNTY	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$450,000
Webb County	NO	2030	WEBB COUNTY WATER UTILITY - EXPANDED GROUNDWATER SUPPLY	SINGLE WELL; WATER TREATMENT PLANT EXPANSION	\$631,000
Weslaco	YES	2030	URBANIZATION - WESLACO	WATER RIGHT/PERMIT LEASE OR PURCHASE	\$3,000,000
Weslaco	YES	2020	WESLACO - GROUNDWATER DEVELOPMENT AND BLENDING	SINGLE WELL	\$1,240,000
Weslaco	YES	2020	WESLACO - NORTH WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK	\$10,489,000
Zapata County	NO	2020	ZAPATA COUNTY - NEW GROUNDWATER SUPPLY	MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT; PUMP STATION	\$11,061,000

Region M Recommended Projects Associated with Water Management Strategies

REGION M RECOMMENDED CAPITAL COST TOTAL	\$2,002,614,125
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Region M Water User Group (WUG) Management Supply Factor

WUG supplies and projected demands are entered for each of a WUG’s region-county-basin divisions. To calculate the Management Supply Factor for each WUG as a whole, not split by region-county-basin, the combined total of existing and future supply is divided by the total projected demand. If a WUG is split by more than one planning region, the whole WUG’s management supply factor will show up in each of its planning region’s management supply factor reports.

WUG NAME	WUG MANAGEMENT SUPPLY FACTOR					
	2020	2030	2040	2050	2060	2070
Agua SUD	1.4	1.2	1.5	1.5	1.4	1.4
Alamo	1.1	1.3	1.2	1.2	1.2	1.2
Brownsville	1.3	1.2	1.1	1.1	1.0	1.0
Combes	2.2	2.1	1.9	1.8	1.6	1.5
County-Other, Cameron	1.0	1.0	1.2	1.2	1.3	1.3
County-Other, Hidalgo	1.0	1.0	1.0	1.0	1.0	1.0
County-Other, Jim Hogg	1.9	1.8	1.7	1.6	1.6	1.5
County-Other, Maverick	1.1	1.0	1.0	1.0	1.1	1.1
County-Other, Starr	1.0	1.0	1.0	1.0	1.0	1.0
County-Other, Webb	1.9	1.6	1.4	1.3	1.1	1.0
County-Other, Willacy	9.4	8.5	7.9	7.2	6.7	6.2
County-Other, Zapata	1.0	1.0	1.0	1.0	1.0	1.0
Donna	2.1	2.1	2.2	2.1	1.9	1.8
Eagle Pass	1.2	1.2	1.1	1.1	1.1	1.1
East Rio Hondo WSC	1.4	1.5	1.5	1.4	1.4	1.3
Edcouch	3.0	2.6	2.2	2.0	1.8	1.6
Edinburg	0.8	1.0	1.1	1.1	1.1	1.1
El Jardin WSC	1.1	1.1	1.0	1.0	1.0	1.0
El Sauz WSC	1.1	1.5	1.4	1.3	1.3	1.3
El Tanque WSC	1.0	1.2	1.1	1.0	1.0	1.0
Elsa	1.0	1.0	1.0	1.0	1.1	1.1
Falcon Rural WSC	1.9	2.3	2.2	2.0	2.0	1.9
Harlingen	1.4	1.3	1.3	1.2	1.2	1.2
Hidalgo	1.0	1.0	1.1	1.1	1.2	1.1
Hidalgo County MUD 1	1.0	1.1	1.0	1.0	1.0	1.0
Irrigation, Cameron	0.4	0.4	0.4	0.4	0.4	0.4
Irrigation, Hidalgo	0.4	0.5	0.5	0.5	0.5	0.5
Irrigation, Jim Hogg	2.0	2.1	2.1	2.2	2.3	2.4
Irrigation, Maverick	0.8	0.8	0.8	0.8	0.9	0.9
Irrigation, Starr	0.2	0.2	0.2	0.2	0.2	0.2
Irrigation, Webb	0.9	1.0	0.9	1.0	1.0	1.0
Irrigation, Willacy	0.2	0.3	0.2	0.2	0.2	0.2
Irrigation, Zapata	0.5	0.5	0.5	0.5	0.5	0.5
Jim Hogg County WCID 2	2.2	2.1	2.0	1.9	1.9	1.8
La Feria	1.5	2.3	2.1	2.0	2.0	2.0
La Grulla	1.0	1.0	1.0	1.0	1.0	1.0
La Joya	1.2	1.0	1.0	1.0	1.0	1.0
La Villa	1.1	1.1	1.1	1.1	1.0	1.0
Laguna Madre Water District	1.3	1.3	1.3	1.4	1.3	1.3
Laredo	1.4	1.2	1.1	1.0	1.0	1.0
Livestock, Cameron	1.0	1.0	1.0	1.0	1.0	1.0
Livestock, Hidalgo	1.0	1.0	1.0	1.0	1.0	1.0
Livestock, Jim Hogg	1.2	1.2	1.2	1.2	1.2	1.2
Livestock, Maverick	1.0	1.0	1.0	1.0	1.0	1.0

*A single asterisk next to a WUG's name denotes that the WUG is split by more than one planning region.

Region M Water User Group (WUG) Management Supply Factor

WUG NAME	WUG MANAGEMENT SUPPLY FACTOR					
	2020	2030	2040	2050	2060	2070
Livestock, Starr	1.0	1.0	1.0	1.0	1.0	1.0
Livestock, Webb	1.1	1.1	1.1	1.1	1.1	1.1
Livestock, Willacy	1.0	1.0	1.0	1.0	1.0	1.0
Livestock, Zapata	1.2	1.2	1.2	1.2	1.2	1.2
Los Fresnos	3.7	3.2	2.8	2.5	2.2	2.0
Lyford	2.1	5.6	5.3	4.9	4.6	4.4
Manufacturing, Cameron	0.7	0.7	0.7	0.7	0.7	0.7
Manufacturing, Hidalgo	1.4	1.2	1.2	1.2	1.2	1.2
Manufacturing, Jim Hogg	1.0	1.0	1.0	1.0	1.0	1.0
Manufacturing, Maverick	1.1	1.1	1.1	1.1	1.1	1.1
Manufacturing, Starr	1.0	0.8	0.8	0.8	0.8	0.8
Manufacturing, Webb	1.5	1.4	1.4	1.4	1.4	1.4
Manufacturing, Zapata	0.7	0.7	0.7	0.7	0.7	0.7
Maverick County	3.0	2.7	2.4	2.3	2.1	2.0
McAllen	1.1	1.0	1.1	1.0	1.1	1.1
Mercedes	1.3	1.2	1.1	1.0	1.0	1.0
Military Highway WSC	1.2	1.1	1.1	1.1	1.0	1.0
Mining, Cameron	2.6	2.5	3.6	5.3	10.9	23.7
Mining, Hidalgo	0.8	0.6	0.6	0.5	0.4	0.4
Mining, Jim Hogg	1.1	1.1	0.6	1.1	1.1	1.1
Mining, Maverick	0.8	0.6	0.6	0.7	0.9	1.2
Mining, Starr	0.6	0.5	0.5	0.4	0.4	0.4
Mining, Webb	0.6	0.8	1.0	1.5	3.1	4.3
Mining, Willacy	0.1	0.1	0.6	0.8	1.2	1.8
Mining, Zapata	1.6	1.5	2.0	2.6	4.1	6.3
Mirando City WSC	1.4	1.3	1.3	1.2	1.2	1.2
Mission	1.0	1.0	1.1	1.1	1.1	1.1
North Alamo WSC	1.0	1.1	1.3	1.4	1.4	1.3
Olmito WSC	2.4	2.2	2.1	2.1	2.0	1.9
Palm Valley	1.1	1.2	1.3	1.4	1.4	1.5
Pharr	1.7	1.5	1.3	1.2	1.1	1.1
Port Mansfield PUD	1.1	1.1	1.1	1.1	1.1	1.1
Primera	1.4	3.6	3.3	3.1	3.0	2.9
Raymondville	2.4	2.3	2.2	2.1	2.1	2.0
Rio Grande City	1.0	1.0	1.0	1.0	1.0	1.0
Rio Hondo	9.6	8.8	7.9	7.0	6.2	5.6
Rio WSC	1.1	1.4	1.3	1.3	1.3	1.3
Roma	1.4	1.6	1.4	1.3	1.3	1.3
San Benito	1.2	1.4	1.5	1.4	1.3	1.3
San Juan	1.0	1.3	1.5	1.4	1.4	1.3
San Ygnacio MUD	1.5	1.4	1.3	1.2	1.1	1.0
Santa Rosa	2.6	2.4	2.1	1.9	1.7	1.6
Sebastian MUD	1.3	1.2	1.1	1.1	1.1	1.1
Sharyland WSC	1.1	1.2	1.1	1.1	1.1	1.1
Siesta Shores WCID	1.9	1.8	1.7	1.6	1.5	1.5
Steam-Electric Power, Cameron	0.1	2.0	2.0	2.0	2.0	2.0
Steam-Electric Power, Hidalgo	0.9	1.0	1.0	1.0	1.0	1.0
Steam-Electric Power, Webb	4.7	4.7	4.7	4.7	4.7	4.7

*A single asterisk next to a WUG's name denotes that the WUG is split by more than one planning region.

Region M Water User Group (WUG) Management Supply Factor

WUG NAME	WUG MANAGEMENT SUPPLY FACTOR					
	2020	2030	2040	2050	2060	2070
Union WSC	1.1	1.1	1.1	1.1	1.1	1.1
Valley MUD 2	1.3	1.2	1.2	1.2	1.2	1.1
Webb County	1.4	1.2	1.1	1.0	1.0	1.0
Weslaco	1.1	1.1	1.1	1.0	1.0	1.0
Zapata County	1.5	1.3	1.2	1.1	1.1	1.0
Zapata County WCID-Hwy 16 East	4.9	4.3	3.9	3.5	3.1	2.9

*A single asterisk next to a WUG's name denotes that the WUG is split by more than one planning region.

Region M Water User Group (WUG) Strategy Supplies by Water Management Strategy (WMS) Type

WMS TYPE *	STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Agricultural conservation	67,324	77,994	88,662	99,324	108,600	117,872
Aquifer storage and recovery	0	0	0	0	0	0
Conjunctive use	0	0	0	0	0	0
Direct potable reuse	12,321	12,948	26,613	33,613	39,153	40,833
Drought management	4,787	8,116	9,852	13,892	15,730	17,676
Groundwater desalination	0	18,904	18,904	18,904	18,904	18,904
Groundwater wells and other	6,745	6,821	8,121	8,121	9,121	9,121
Indirect reuse	0	0	0	0	0	0
Industrial conservation	3,677	3,698	3,545	3,332	3,095	3,084
Municipal conservation	14,552	31,044	52,277	82,020	117,618	155,279
New major reservoir	0	0	0	0	0	0
Other direct reuse	341	11,027	11,077	11,133	11,193	11,255
Other strategies	2,540	2,540	2,540	2,540	2,540	2,540
Other surface water	25,239	41,540	74,479	96,025	113,109	130,778
Seawater desalination	0	0	0	1,120	1,120	1,120
TOTAL STRATEGY SUPPLIES	137,526	214,632	296,070	370,024	440,183	508,462

* WMS type descriptions can be found on the interactive state water plan website at <http://texasstatewaterplan.org/> using the 'View data for' drop-down menus to navigate to a specific WMS Type page. The data used to create each WMS type value is available in Appendix 3 of the Guidelines for Regional Water Planning Data Deliverable (Exhibit D) document at http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2021/doc/current_docs/contract_docs/ExhibitD.pdf.

**Region M Water User Group (WUG)
Recommended Water Management Strategy (WMS) Supplies by Source Type**

SOURCE SUBTYPE*	STRATEGY SUPPLY (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
Aquifer Storage and Recovery	0	0	0	0	0	0
Groundwater	6,745	25,725	27,025	27,025	28,025	28,025
Groundwater TOTAL STRATEGY SUPPLIES	6,745	25,725	27,025	27,025	28,025	28,025
Direct Non-Potable Reuse	341	11,027	11,077	11,133	11,193	11,255
Direct Potable Reuse	12,321	12,948	26,613	33,613	39,153	40,833
Indirect Non-Potable Reuse	0	0	0	0	0	0
Indirect Potable Reuse	0	0	0	0	0	0
Reuse TOTAL STRATEGY SUPPLIES	12,662	23,975	37,690	44,746	50,346	52,088
Atmosphere	0	0	0	0	0	0
Gulf of Mexico	0	0	0	1,120	1,120	1,120
Livestock Local Supply	0	0	0	0	0	0
Other Local Supply	0	0	0	0	0	0
Rainwater Harvesting	0	0	0	0	0	0
Reservoir	0	1,700	1,700	1,700	1,700	1,700
Reservoir System	79,481	107,532	153,696	188,636	217,022	245,987
Run-of-River	929	929	929	929	929	929
Surface Water TOTAL STRATEGY SUPPLIES	80,410	110,161	156,325	192,385	220,771	249,736
REGION M TOTAL STRATEGY SUPPLIES	99,817	159,861	221,040	264,156	299,142	329,849

* A full list of source subtype definitions can be found in section 3 of the Guidelines for Regional Water Planning Data Deliverable (Exhibit D) document at http://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2021/doc/current_docs/contract_docs/ExhibitD.pdf.

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

MWPs are entities of significance to a region's water supply as defined by the Regional Water Planning Group (RWPG) and may be a Water User Group (WUG) entity, Wholesale Water Provider (WWP) entity, or both (WUG/WWP). 'MWP Retail Customers' denotes recommended WMS supply used by the WUG. 'Transfers Related to Wholesale Customers' denotes a WWP or WUG/WWP selling or transferring recommended WMS supply to another entity. Supply associated with the MWP's wholesale transfers will only display if it is listed as the main seller in the State Water Planning database, even if multiple sellers are involved with the sale of water to WUGs. Unallocated water volumes represent MWP recommended WMS supply not currently allocated to a customer of the MWP. 'Total MWP Related WMS Supply' will display if the MWP's WMS is related to more than one WMS supply type (retail, wholesale, and/or unallocated). Associated WMS Projects are listed when the MWP is one of the project's sponsors. Report contains draft data and is subject to change.

Agua SUD ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	404	1,077	1,890

Agua SUD DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	348	415	483	551	617

Agua SUD HIDALGO COUNTY ID 16 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	282	326	369	413	456	500

Agua SUD HIDALGO COUNTY ID 6 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	720	800	881	961	1,041	1,122

Agua SUD REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	560	560	4,480	4,480	4,480	4,480
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
AGUA SUD - WEST WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
AGUA SUD - WEST WWTP POTABLE REUSE PHASE 2	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
AGUA SUD - EAST WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					

Agua SUD URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	1,421	2,500	3,353	4,042
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - AGUA SUD	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Alamo ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	46	278	587	952

Alamo DESALINATION						
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Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	896	896	896	896	896
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
ALAMO - BRACKISH GROUNDWATER DESALINATION PLANT	MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT					

Alamo DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	118	146	175	203	232	260

Alamo FRESH GROUNDWATER						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,120	1,120	1,120	1,120	1,120	1,120
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
ALAMO - FRESH GROUNDWATER WELL	SINGLE WELL					

Alamo HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	8	57	107	156	205	254

Alamo URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	245	606	1,185	1,591	1,948	2,230
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - ALAMO	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Bayview Irrigation District 11 ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	602	711	820	930	1,039	1,148
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
BAYVIEW ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; WATER LOSS CONTROL; CONSERVATION - AGRICULTURAL					

Brownsville ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	2,258	4,355	7,038	10,466	14,463

Brownsville CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	41	49	57	65	73	81

Brownsville DROUGHT MANAGEMENT						
WATER VOLUMES (ACRE-FEET PER YEAR)						

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

DATA DESCRIPTION	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	817	949	1,091	1,237	1,388

Brownsville MUNICIPAL INFRASTRUCTURE IMPROVEMENTS						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	1,700	1,700	1,700	1,700	1,700
RELATED UNALLOCATED WMS WATER VOLUMES	0	190	190	190	190	190
TOTAL MWP RELATED WMS SUPPLY	877	2,767	2,767	2,767	2,767	2,767
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
BROWNSVILLE - BANCO MORALES RESERVOIR	RESERVOIR CONSTRUCTION					
BROWNSVILLE - RESACA RESTORATION	DREDGE TO RECOVER CAPACITY					

Brownsville REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	3,360	3,360	5,040
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	0	6,721	6,721	6,721	6,721	6,721
TOTAL MWP RELATED WMS SUPPLY	0	6,721	6,721	10,081	10,081	11,761
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
BROWNSVILLE - NON-POTABLE WATER REUSE PIPELINE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
BROWNSVILLE - SOUTHSIDE WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
BROWNSVILLE - SOUTHSIDE WWTP POTABLE REUSE PHASE 2	WATER TREATMENT PLANT EXPANSION; PUMP STATION					

Brownsville URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	0	338	1,841
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - BROWNSVILLE	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Brownsville Irrigation District ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	931	1,261	1,589	1,917	2,244	2,572
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
BROWNSVILLE ID CONSERVATION	CONVEYANCE/TRANSMISSION PIPELINE; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY					

Cameron County Irrigation District 10 CAMERON COUNTY WATER IMPROVEMENTS DISTRICT 10 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	50	145	240	335	430	525
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
CAMERON COUNTY WATER IMPROVEMENT DISTRICT 10 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DREDGE TO RECOVER CAPACITY; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; PUMP STATION; RESERVOIR CONSTRUCTION; WATER LOSS CONTROL					

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

Cameron County Irrigation District 2 CAMERON COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	6,806	6,745	6,683	6,622	6,561	6,499
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
CAMERON COUNTY ID 2 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Cameron County Irrigation District 6 CAMERON COUNTY ID 6 (LOS FRESNOS) CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	1,908	2,275	2,643	3,010	3,379	3,745
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
CAMERON COUNTY ID 6 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Delta Lake Irrigation District ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	2,779	4,969	7,158	9,345	11,534	13,717
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
DELTA LAKE ID - ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Donna Irrigation District-Hidalgo County 1 ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	703	1,875	3,046	4,217	5,388	6,558
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
DONNA ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Eagle Pass ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	481	914	1,525	2,299	3,163

Eagle Pass DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	256	298	338	379	419	456

Eagle Pass URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	370	1,140	1,903	2,605	3,160	3,585
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - EAGLE PASS	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

East Rio Hondo WSC ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	112	331	601	930

East Rio Hondo WSC CAMERON COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	427	424	420	416	412	409

East Rio Hondo WSC DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	400	400	400	400	400
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
NORTH CAMERON REGIONAL WTP WELLFIELD EXPANSION	MULTIPLE WELLS/WELL FIELD; CONVEYANCE/TRANSMISSION PIPELINE					

East Rio Hondo WSC DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	148	152	170	187	208

East Rio Hondo WSC ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	18	27	37	46	46	46

East Rio Hondo WSC MUNICIPAL INFRASTRUCTURE IMPROVEMENTS						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	30	30	30	30	30
TOTAL MWP RELATED WMS SUPPLY	0	830	830	830	830	830
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
ERHWSC - FM 2925 TRANSMISSION LINE	CONVEYANCE/TRANSMISSION PIPELINE; PUMP STATION					
ERHWSC - SURFACE WTP PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
URBANIZATION - EAST RIO HONDO WSC (ERHWSC)	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Edinburg ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	329	1,290	2,549	4,035

Edinburg DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	488	606	724	843	961	1,076

Edinburg HIDALGO COUNTY ID 1 CONSERVATION						
WATER VOLUMES (ACRE-FEET PER YEAR)						

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

DATA DESCRIPTION	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	259	350	216	261	305	350

Edinburg HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	11	79	146	214	281	349

Edinburg REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	3,920	3,920	3,920	3,920	3,920
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
EDINBURG - NON-POTABLE REUSE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					

Edinburg URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	3,236	5,072	10,758	12,411	13,824	14,969
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - EDINBURG	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Harlingen ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	960	2,164	3,215	4,519	6,097

Harlingen ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,250	1,889	2,528	3,168	3,168	3,168

Harlingen URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	275	675	1,325
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - HARLINGEN	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Harlingen Irrigation District-Cameron County 1 ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	4,085	6,173	8,262	10,349	10,349	10,349
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HARLINGEN ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Hidalgo County Irrigation District 1 HIDALGO COUNTY ID 1 CONSERVATION						
WATER VOLUMES (ACRE-FEET PER YEAR)						

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

DATA DESCRIPTION	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	2,650	3,579	4,286	5,170	6,054	6,938
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HIDALGO COUNTY ID 1 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Hidalgo County Irrigation District 1 MUNICIPAL INFRASTRUCTURE IMPROVEMENTS						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	800	800	800	800	800	800

Hidalgo County Irrigation District 16 HIDALGO COUNTY ID 16 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	1,409	1,626	1,843	2,060	2,276	2,493
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HIDALGO COUNTY ID 16 CONSERVATION	CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Hidalgo County Irrigation District 2 HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	323	2,239	4,153	6,068	7,980	9,894
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HIDALGO COUNTY ID 2 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Hidalgo County Irrigation District 6 HIDALGO COUNTY ID 6 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	1,979	2,199	2,421	2,641	2,861	3,082
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HIDALGO COUNTY ID 6 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Hidalgo County WID 3 HIDALGO COUNTY WID 3 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	2,063	2,063	2,063	2,063	2,063	2,063
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HIDALGO COUNTY WID 3 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Hidalgo-Cameron County Irrigation District 9 HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	2,798	4,894	6,991	9,084	11,178	13,270

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					
La Feria Irrigation District-Cameron County 3 ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	7,300	7,300	7,300	7,300	7,300	7,300
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
LA FERIA ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DREDGE TO RECOVER CAPACITY; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; PUMP STATION; RESERVOIR CONSTRUCTION; WATER LOSS CONTROL					
Laguna Madre Water District ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	129	936	1,917	3,077	4,395	5,840
Laguna Madre Water District DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	1,120	1,120	1,120
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
LAGUNA MADRE WATER DISTRICT - SEAWATER DESALINATION PLANT	CONVEYANCE/TRANSMISSION PIPELINE; NEW SURFACE WATER INTAKE; NEW WATER TREATMENT PLANT					
Laguna Madre Water District DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	130	152	174	198	223	248
Laguna Madre Water District MUNICIPAL INFRASTRUCTURE IMPROVEMENTS						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	2,352	2,352	2,352	2,352	2,352	2,352
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - LAGUNA MADRE WATER DISTRICT	WATER RIGHT/PERMIT LEASE OR PURCHASE					
LAGUNA MADRE WATER DISTRICT - WTP 1 EXPANSION AND PROCESS IMPROVEMENTS	PUMP STATION; WATER TREATMENT PLANT EXPANSION; NEW WATER RIGHT/PERMIT NO IBT; STORAGE TANK					
Laguna Madre Water District REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	627	892	892	892	892
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
LAGUNA MADRE WATER DISTRICT - POTABLE REUSE	NEW WATER TREATMENT PLANT					
Laguna Madre Water District URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	373	682	869	980	976	886

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

WMS RELATED MWP SPONSORED PROJECTS		PROJECT DESCRIPTION					
URBANIZATION - LAGUNA MADRE WATER DISTRICT		WATER RIGHT/PERMIT LEASE OR PURCHASE					
Laredo ADVANCED MUNICIPAL CONSERVATION							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	0	0	221	3,030	6,713	10,902	
Laredo DROUGHT MANAGEMENT							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	0	0	0	2,406	2,686	2,938	
Laredo REUSE							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	0	0	3,360	3,360	6,720	6,720	
WMS RELATED MWP SPONSORED PROJECTS		PROJECT DESCRIPTION					
LAREDO - SOUTH LAREDO WWTP POTABLE REUSE PHASE 1		CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
LAREDO - SOUTH LAREDO WWTP POTABLE REUSE PHASE 2		PUMP STATION; STORAGE TANK; WATER TREATMENT PLANT EXPANSION; CONVEYANCE/TRANSMISSION PIPELINE					
Laredo URBANIZATION							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	0	0	0	0	0	980	
WMS RELATED MWP SPONSORED PROJECTS		PROJECT DESCRIPTION					
URBANIZATION - LAREDO		WATER RIGHT/PERMIT LEASE OR PURCHASE					
McAllen ADVANCED MUNICIPAL CONSERVATION							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	0	3,558	8,804	15,340	22,992	28,889	
McAllen DESALINATION							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	0	2,688	2,688	2,688	2,688	2,688	
WMS RELATED MWP SPONSORED PROJECTS		PROJECT DESCRIPTION					
MCALLEN - BRACKISH GROUNDWATER DESALINATION PLANT		NEW WATER TREATMENT PLANT; MULTIPLE WELLS/WELL FIELD					
McAllen DROUGHT MANAGEMENT							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	1,071	1,330	1,589	1,850	2,110	2,363	
McAllen HIDALGO COUNTY ID 1 CONSERVATION							
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)						
	2020	2030	2040	2050	2060	2070	
MWP RETAIL CUSTOMERS	196	264	333	402	471	540	

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

McAllen HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	29	204	378	552	727	901

McAllen HIDALGO COUNTY WID 3 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,672	1,672	1,672	1,672	1,672	1,672

McAllen ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,227	1,227	1,227	1,227	1,227	1,227

McAllen MCALLEN - AMI PROJECT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,140	1,140	1,140	1,140	1,140	1,140
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
MCALLEN - AMI PROJECT	DATA GATHERING/MONITORING TECHNOLOGY; WATER LOSS CONTROL					

McAllen MUNICIPAL INFRASTRUCTURE IMPROVEMENTS						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	800	800	800	800	800	800
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
MCALLEN - RAW WATER LINE PROJECT	CONVEYANCE/TRANSMISSION PIPELINE					

McAllen REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	3,880	3,880	6,060	6,060
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
MCALLEN - NORTH WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
MCALLEN - NORTH WWTP POTABLE REUSE PHASE 2	STORAGE TANK; WATER TREATMENT PLANT EXPANSION; PUMP STATION					

McAllen URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	2,968	3,622	5,223	8,370
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - MCALLEN	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Military Highway WSC ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	302	757	1,350	2,048

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

Military Highway WSC DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	198	231	266	301	336

Military Highway WSC ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	38	57	77	96	96	96

Military Highway WSC URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	100	844	1,457	1,998	2,455	3,079
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - MILITARY HIGHWAY WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Mission ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	1,916	4,635	7,721	10,209	12,958

Mission DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	2,688	2,688	2,688	2,688	2,688
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
MISSION - BRACKISH GROUNDWATER DESALINATION PLANT	NEW WATER TREATMENT PLANT; MULTIPLE WELLS/WELL FIELD					

Mission DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	949	1,178	1,408	1,639	1,870	2,094

Mission ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,483	1,483	1,483	1,483	1,483	1,483

Mission REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	3,920	3,920	3,920	7,560	7,560	7,560
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
MISSION - WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					
MISSION - WWTP POTABLE REUSE PHASE 2	STORAGE TANK; WATER TREATMENT PLANT EXPANSION					

Mission URBANIZATION						
WATER VOLUMES (ACRE-FEET PER YEAR)						

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

DATA DESCRIPTION	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	2,200	2,587	5,272	4,128	6,287	8,083
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - MISSION	WATER RIGHT/PERMIT LEASE OR PURCHASE					

North Alamo WSC ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	1,346	3,089	5,449	8,378	11,743

North Alamo WSC DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	3,040	3,040	3,040	3,040	3,040
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
NORTH CAMERON REGIONAL WTP WELLFIELD EXPANSION	MULTIPLE WELLS/WELL FIELD; CONVEYANCE/TRANSMISSION PIPELINE					
NAWSC - DELTA AREA BRACKISH GROUNDWATER DESALINATION PLANT	MULTIPLE WELLS/WELL FIELD; NEW WATER TREATMENT PLANT					

North Alamo WSC DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	759	935	1,112	1,290	1,467	1,640

North Alamo WSC HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	165	290	414	538	662	786

North Alamo WSC HIDALGO COUNTY ID 1 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	69	92	117	141	165	189

North Alamo WSC HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	13	88	163	239	314	390

North Alamo WSC ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	48	65	83	100	117	135

North Alamo WSC MUNICIPAL INFRASTRUCTURE IMPROVEMENTS						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	4,480	6,160	6,160	6,160
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
NAWSC - DELTA WTP EXPANSION PHASE 1	WATER RIGHT/PERMIT LEASE OR PURCHASE; WATER TREATMENT PLANT EXPANSION					

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

NAWSC - DELTA WTP EXPANSION PHASE 2	WATER RIGHT/PERMIT LEASE OR PURCHASE; WATER TREATMENT PLANT EXPANSION
URBANIZATION - NORTH ALAMO WSC (NAWSC)	WATER RIGHT/PERMIT LEASE OR PURCHASE

North Alamo WSC URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	5,363	10,068	17,761	27,254	30,118	32,486
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
NAWSC - DELTA WTP EXPANSION PHASE 2	WATER RIGHT/PERMIT LEASE OR PURCHASE; WATER TREATMENT PLANT EXPANSION					
URBANIZATION - NORTH ALAMO WSC (NAWSC)	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Pharr ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	458	1,354	2,433

Pharr DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	556	665	774	883	989

Pharr HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	39	271	502	734	965	1,197

Pharr REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	6,721	6,721	6,721	6,721	6,721	6,721
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
PHARR - RAW WATER RESERVOIR AUGMENTATION	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					

Pharr URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	20	20	20	20	20
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - PHARR	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Rio Grande City ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	402	901	1,470	2,086	2,544

Rio Grande City DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	70	80	88	97	104	111

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

Rio Grande City RIO GRANDE CITY - WATER METER REPLACEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	300	300	300	300	300	300
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	70	70	70	70	70	70
TOTAL MWP RELATED WMS SUPPLY	370	370	370	370	370	370
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
RIO GRANDE CITY - WATER METER REPLACEMENT	DATA GATHERING/MONITORING TECHNOLOGY					

Rio Grande City URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,362	1,486	1,482	1,428	1,297	1,282
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - RIO GRANDE CITY	WATER RIGHT/PERMIT LEASE OR PURCHASE					

San Benito ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	29	305	640

San Benito CAMERON COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	588	583	578	573	568	563

San Benito DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	1,120	1,120	1,120	1,120	1,120
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
SAN BENITO - NEW GROUNDWATER SUPPLY	MULTIPLE WELLS/WELL FIELD					

San Benito DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	0	0	174

San Benito URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	0	0	304
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - SAN BENITO	WATER RIGHT/PERMIT LEASE OR PURCHASE					

San Juan ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	93	451	928	1,491

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

San Juan DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	2,912	2,912	2,912	2,912	2,912
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
SAN JUAN - WTP 1 UPGRADE, EXPANSION, AND BGD	MULTIPLE WELLS/WELL FIELD; WATER TREATMENT PLANT EXPANSION					
SAN JUAN - BRACKISH GROUNDWATER WELL	SINGLE WELL; NEW WATER TREATMENT PLANT					

San Juan DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	128	153	179	204	228

San Juan HIDALGO COUNTY ID 2 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	10	71	133	194	255	316

San Juan REUSE						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	2,240	2,240	2,240	2,240
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
SAN JUAN - POTABLE REUSE	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					

San Juan URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	0	0	612	1,181	1,643
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - SAN JUAN	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Sharyland WSC ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	831	2,016	3,143	4,560	6,172

Sharyland WSC DESALINATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	1,800	1,800	1,800	1,800	1,800
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
SHARYLAND WSC - WELL AND RO UNIT AT WTP 2	NEW WATER TREATMENT PLANT; SINGLE WELL					
SHARYLAND WSC - WELL AND RO UNIT AT WTP 3	NEW WATER TREATMENT PLANT; SINGLE WELL					

Sharyland WSC DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	287	356	425	495	565	633

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

Sharyland WSC HIDALGO COUNTY ID 1 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	483	653	823	993	1,163	1,333

Sharyland WSC ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	766	813	859	906	952	999

Sharyland WSC URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	343	1,836	3,475	4,904	6,076
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - SHARYLAND WSC	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Southmost Regional Water Authority | NO RECOMMENDED WMS SUPPLY RELATED TO MWP

United Irrigation District ID CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
TRANSFERS RELATED TO WHOLESALE CUSTOMERS	5,730	5,730	5,730	5,730	5,730	5,730
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
UNITED ID CONSERVATION	CANAL LINING; CONVEYANCE/TRANSMISSION PIPELINE; DIVERSION AND CONTROL STRUCTURE; DATA GATHERING/MONITORING TECHNOLOGY; CONSERVATION - AGRICULTURAL; WATER LOSS CONTROL					

Weslaco ADVANCED MUNICIPAL CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	547	1,219	1,924	2,829	3,844

Weslaco DROUGHT MANAGEMENT						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	258	333	401	470	539	603

Weslaco FRESH GROUNDWATER						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	560	560	560	560	560	560
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
WESLACO - GROUNDWATER DEVELOPMENT AND BLENDING	SINGLE WELL					

Weslaco HIDALGO AND CAMERON COUNTY ID 9 CONSERVATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	235	411	588	764	940	1,117

Weslaco | REUSE

Region M Major Water Provider (MWP) Water Management Strategy (WMS) Summary

DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	1,120	1,120	1,120	1,120	1,120	1,120
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
WESLACO - NORTH WWTP POTABLE REUSE PHASE 1	CONVEYANCE/TRANSMISSION PIPELINE; NEW WATER TREATMENT PLANT; PUMP STATION; STORAGE TANK					

Weslaco URBANIZATION						
DATA DESCRIPTION	WATER VOLUMES (ACRE-FEET PER YEAR)					
	2020	2030	2040	2050	2060	2070
MWP RETAIL CUSTOMERS	0	1,000	1,792	2,735	3,533	4,105
WMS RELATED MWP SPONSORED PROJECTS	PROJECT DESCRIPTION					
URBANIZATION - WESLACO	WATER RIGHT/PERMIT LEASE OR PURCHASE					

Infeasible WMSs, Methodology & Results

RWPG Responsibilities:

- Review the status of strategies and projects with an online decade of 2020 in the 2021 RWPs
- Additionally: Review additional, near-term strategies and projects that have lengthy permitting or construction processes

From a survey sent to WUGs regarding implementation status, all received responses, except two, said their project was either completed or they had moved forward with implementation:

- Edinburg said their 2020 Non-Potable Reuse project has been put on hold.
- McAllen has taken no affirmative action to move the 2030 Potable Reuse project forward.
- Region M needs to adopt an amendment to the 2021 Plan to remove Edinburg's project from the 2020 decade and McAllen's project from the 2030 decade. RWPG-adopted amendments due **June 4, 2024**

Background of Minor Amendment

FEBRUARY 23.

RWPG Approved:

Submittal of a
“Minor Amendment
Determination
Request” to TWDB

APRIL 19.

TWDB Determined
it to be a Minor
Amendment

MARCH 8.

Submitted Draft
Minor Amendment
with a Request for
Minor Amendment
Determination to
TWDB

MAY 15.

RWPG Considers
Adopting Minor
Amendment



Modify infeasible strategies from 2021 Regional Water Plan:

- **Non-Potable Reuse WMS for Edinburg:** Shift the online decade from 2020 to 2030. This revision results in Unmet Needs in 2020 for Edinburg.
- **North WWTP Potable Reuse Phase 1 WMS for McAllen:** Shift the online decade from 2030 to 2040. This revision does not result in Unmet Needs for McAllen or other WUGs.

The following chapters require edits as part of this amendment:

Chapter 5. Water Management Strategies

Chapter 6. Impacts of Regional Water Plan; Unmet Water Needs

Chapter 10. Public Participation and Plan Adoption

Appendix B.5. Major Water Provider Second Tier Water Needs

Agenda Item 4.A.2.A: Public Comment Regarding the Proposed Amendment

Agenda Item 4.A.2.B: Review and Consideration of Comments Received from the Public, TWDB, and Other State or Federal Agencies

Agenda Item 4.A.2.C: Consideration and Appropriate Action to Adopt the Proposed Amendment

Recommendation

Consider Action to:



Adopt the Proposed Minor Amendment to the 2021 Region M Regional Water Plan to Address Infeasible Water Management Strategies

Agenda Item 4.A.2.D: Consideration and Appropriate Action to Authorize the Technical Consultant to Submit Proof of Adoption and Any Comments to TWDB and to Address Any Requests from TWDB Associated with the Amendment on Behalf of the RGRWPG

Agenda Item 4.A.3:

Discussion on Subcommittees for
Environmental Review and Water
Management Strategies

Potential to Activate Subcommittees, if needed

- Environmental Review Subcommittee
 - Option to review past cycle(s) environmental assessment methodology for WMS evaluations and impacts to the region and consider need for updates.
 - Main environmental impacts considered:
 - Acres permanently impacted; Construction acreage impacted; Inundation acreage (for reservoirs); Wetland impact; Habitat acreage impacted; Threatened and endangered species count; Cultural resources impacted; Impacts to environmental flows
- Water Management Strategy Subcommittee
 - Option to review WMS evaluations prior to presentation to RWPG
 - Mainly updates to last cycle's WMSs

ITEM 4B.

FINANCIAL REPORT

Period from 1/1/2024 to 03/31/2024

Region M 2024 Budget & Expenditure Report

Budget Item	Budget Amount	Revenues to date	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Total to Date	Available Balance
Salaries: (to include Salary & Fringe)	\$13,157.00		\$1,270.00				\$1,270.00	\$11,887.00
Website Maintenance	\$1,100.00		\$150.00				\$150.00	\$950.00
Travel	\$500.00						\$0.00	\$500.00
Consumable Supplies	\$200.00						\$0.00	\$200.00
Printing	\$500.00						\$0.00	\$500.00
Communications Phone /Internet	\$500.00						\$0.00	\$500.00
Postage	\$100.00						\$0.00	\$100.00
Sponsorships/other	\$2,650.00						\$0.00	\$2,650.00
Indirect Costs	\$3,943.00		\$325.63				\$325.63	\$3,617.37
Local Match		\$82,498.66						
Interest Income		\$934.75						
Budget Total	\$ 22,650.00		\$1,745.63	\$0.00	\$0.00	\$0.00	\$1,745.63	\$20,904.37
Actual Cash Available		\$83,433.41						\$81,687.78

ITEM 5A.

REPORTS FROM FEDERAL & STATE AGENCIES - TWDB

Region M TWDB Update May 15, 2024

Items of Note

- Water Supply Planning County Summaries available online
- **Prop 6/Texas Water Fund** -TWDB is seeking public input during Board Meetings and Stakeholder Workshops **through April**. Details and FAQs on TWDB Website.
- Water Loss Audits due by **May 1, 2024**

Region M TWDB Update May 15, 2024

Financial Assistance Workshop

- When: Wednesday, May 15th, 10:00 am
- Where: IBC Bank, 2395 E. Main St., Eagle Pass
- Discuss specific projects and answer questions about following financial assistance programs:
 - Economically Distressed Areas Program (EDAP)
 - Infrastructure Investment and Jobs Act (IIJA)
 - Drinking Water State Revolving Fund (DWSRF)
 - Clean Water State Revolving Fund (CWSRF)
 - State Water Implementation Fund for Texas (SWIFT)
 - Texas Water Development Fund (DFund)
 - Flood Infrastructure Fund (FIF)
 - Proposition 6

Region M TWDB Update May 15, 2024

Interregional Planning Council

Council adopted their final report on February 8, 2024.

Recommendations address three statutory charges:

1. Improve coordination among the regional water planning groups, and between each regional water planning group and the Board, in meeting the goals of the state water planning process and the water needs of the state as a whole;
2. Facilitate dialogue regarding water management strategies that could affect multiple regional water planning areas; and
3. Share best practices regarding operation of the regional water planning process.

Region M TWDB Update May 15, 2024

Council recommendations to the Legislature:

1. Appropriate additional funds to the planning process to
 - support RWPGs' task to identify and facilitate interregional coordination;
 - accommodate tasks associated with long-range, visionary planning;
 - fund better methods of disseminating information for the regional water planning process; and
 - accommodate labor costs for administering RWPGs
2. Provide financial incentives for local sponsorship of innovative, visionary, multi-benefit projects
3. Provide initial sponsorship of projects by the State without guarantees from local sponsors
4. Establish a coordination process amongst state agencies for installation of infrastructure during planning and construction of large-scale projects.
5. Strike simplified planning from the statute
6. Authorize the use of one-way conferencing or webinars

Region M TWDB Update May 15, 2024

Council recommendations to the Texas Water Development Board:

1. Develop protocols to include annual discussions to evaluate and document best practices for regional water planning in Chairs' conference calls.

Council recommendations to Future Interregional Planning Councils:

1. Monitor the effectiveness of efforts to promote interregional coordination and review how best to utilize interregional liaisons in the development or use of shared water resources;
2. Utilize state agencies' expertise to assist regions in developing a vision of planning resources for the state as a whole;
3. Consider holding work sessions as needed to “deep dive” into more complicated topics;
4. Review materials and meeting notes from the TWDB's “lessons learned” technical meetings with RWPG consultants; and
5. Review progress on all recommendations in the 2027 SWP Council's report and submit its assessment to the TWDB.

Region M TWDB Update May 15, 2024

Council included several observations on topics not related to its statutory charge:

1. Water loss
2. Unaccounted water use
3. Long-range and visionary planning

The final report is available online at:

<http://www.twdb.texas.gov/waterplanning/rwp/ipc>

Conservation Resources for Development of the 2026 RWPs

Kevin Smith

Regional Water Planner

Water Supply Planning

Texas Water Development Board

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Resources for RWPGs

The *Conservation Resources Guide for Development of the 2026 Regional Water Plans* details resources available for RWPGs, including

1. Data Reported to TWDB
2. TWDB Conservation Information Dashboard for Water Supply Planning
3. Best Management Practices
4. WCAC Suggestions to RWPGs
5. Example Water Loss Strategies from 2021 RWPs
6. Water Loss Performance Indicators
7. Resources for GPCD Goal Setting

Conservation Resource Guide for Development of the 2026 Regional Water Plans

This document outlines conservation resources that are available to support regional water planning group (RWPG) development of conservation water use reduction strategies, water loss mitigation strategies, and the conservation subchapter of the 2026 Regional Water Plans (RWP). Information is provided on how to access resources and how they can be used to support RWP development. Available data reported to the Texas Water Development Board (TWDB) by utilities through water use surveys, water loss audits, water conservation plans, and water conservation plan annual reports are summarized in Table 1.

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Data Reported to TWDB

Report	Statute/Rule Reference	Required for	Frequency	Next Due Date	Data Available
Water Use Survey	TWC 16.012(m) 31 TAC §358.5	Public water systems, manufacturers, mining facilities, and electric power generating plants	Annually	3/1/25	Fall of following year
Water Loss Audit	TWC 16.0121 31 TAC §358.6	Utilities with >3,300 connections or a financial obligation to the TWDB	Annually	5/1/24	Fall of following year
		Utilities with <3,300 connections and no financial obligation to the TWDB	Every 5 years	5/1/26	Fall of following year
Water Conservation Plan	31 TAC §363.15	Entities with 3,300 connections or more, loans greater than \$500,000 from the TWDB, or a TCEQ surface water right	Every 5 years	5/1/24	By due date; Copies submitted to RWPG sponsors
Water Conservation Plan Annual Report	31 TAC §363.15(g)	All entities with a Water Conservation Plan	Annually	5/1/24	Fall of following year

Data Reported to TWDB

Report	Data Reported	Examples of How RWPGs Can Use This Data
Water Use Survey	<ul style="list-style-type: none"> • Monthly volumes of water intake sources • Percentage treated • Annual volumes of water sold • Retail population • Number of retail service connections • Distribution, connection count, and volume sold by customer classification 	<ul style="list-style-type: none"> • Analyze recent trends in water use • Indicate or correct suspect water use for future accuracy of demand projections
Water Loss Audit	<ul style="list-style-type: none"> • Water utility information • System input volumes by source • Population and connections served • Length of main lines • Volume of water treated for distribution • Meter accuracy • Volume of authorized consumption • Volume of water lost due to breaks and leaks • Retail price of water • Variable production cost of water • Assessment validation for audit components 	<ul style="list-style-type: none"> • Review water loss audit data including regional water loss balance reports • Describe water loss audit information for the region in Chapter 1 of the RWP • Analyze water loss trends and consider strategies to address issues • Compare reported real and/or apparent water loss to performance indicators when evaluating water loss mitigation strategies • Use reported number of connections in meter replacement estimates • Use reported length of main lines in line replacement estimates

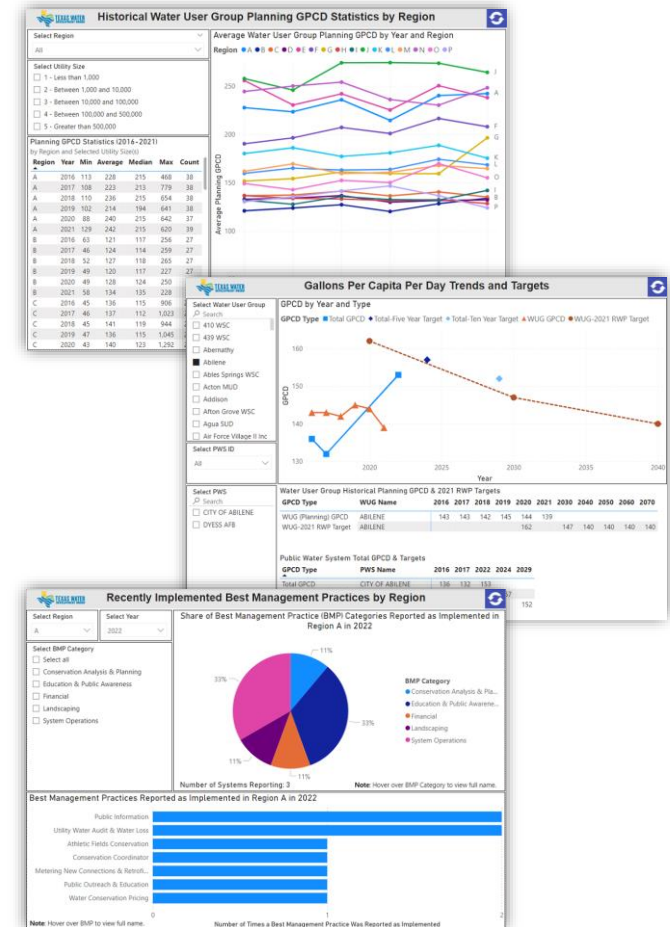
Data Reported to TWDB

Report	Data Reported	Examples of How RWPGs Can Use This Data
<p>Water Conservation Plan</p>	<ul style="list-style-type: none"> • Utility profile • 5 and 10-year goals in GPCD • Schedule for implementing the plan • Method for tracking targets and goals • Production meter(s) • Specific conservation measures or BMPs included in the conservation program • Documentation of RWPG notification 	<ul style="list-style-type: none"> • Develop WUG-specific conservation strategies based on conservation measures or BMPs included in an associated WCP • Summarize the number and types of measures and BMPs reported in WCPs • Summarize utility 5 and 10-year total GPCD goals and consider when setting RWPG GPCD goals
<p>Water Conservation Plan Annual Report</p>	<ul style="list-style-type: none"> • System data: number of connections and gallons of metered retail water use by customer category • Water use: input volumes, authorized consumption, and water losses • BMPs implemented & estimated gallons saved • Leaks detected and meter testing/repair • Total, residential, and water loss GPCD and water loss percentage 	<ul style="list-style-type: none"> • Review and consider trends in utility annual total GPCD • Review details of BMPs implemented and estimated gallons saved to inform conservation water use reduction and water loss mitigation strategies • Summarize BMP implementation and results (gallons conserved, gallons reused, meters tested, and leaks repaired) in the RWP

TWDB Conservation Information Dashboard for Water Supply Planning

- Historical WUG Planning GPCD Statistics by Region
- Water Use, Loss, and Conservation Reporting Requirements
- GPCD Trends and Targets
- Municipal Conservation BMPs & Recommended Projects
- Recently Implemented BMPs by Region

<https://www.twdb.texas.gov/waterplanning/data/dashboard/conservation.asp>



RWPG GPCD Goal Setting

- TWDB Conservation Information Dashboard for Water Supply Planning
 - Regional planning GPCD statistics,
 - Historical WUG planning GPCDs,
 - GPCD goals as set by RWPGs in the 2021 RWPs,
 - 5 and 10-year total GPCD targets from utility water conservation plans
- SARA Report ID 102 - WUG Adjusted Planning GPCD with Water Efficiency and Conservation Savings
- Spreadsheet of 2026 RWP Baseline GPCDs and WUG Adjusted GPCD based on WCAC methodology

Additional Resources for RWPGs

1. Best Management Practices
2. TWDB Municipal Water Conservation Planning Tool
3. WCAC Suggestions to RWPGs
4. Example Water Loss Strategies from 2021 RWPGs
5. Water Loss Performance Indicators

Questions?

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Stay connected:

