

# AGENDA

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

9:30 A.M. WEDNESDAY, MARCH 1, 2023

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

Virtual access is available by using this link: <https://meet.goto.com/774254909>

PRESIDING: JIM DARLING, CHAIR

- 
1. Call to Order & Roll Call.....Chairman
  2. Consideration and **ACTION** to Approve September 29, 2022, Meeting Minutes .....Chairman
  3. Public Comment .....Chairman
  4. Annual Election of Officers and Executive Committee .....Chairman
  5. 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. Presentation and Consider **ACTION** on Recommendation from Population & Water Demand Subcommittee to Revised Draft Non-Municipal Demand Projections from TWDB
  3. Presentation and Initial Discussion of Draft Population and Municipal Demand Projections from TWDB

- B. Financial Report.....Chairman
  - 1. Consideration and **ACTION** to Approve 2023 Budget
  - 2. Consideration and **ACTION** to Accept Expenditure Report
  
- C. Status of Joint Groundwater Area Planning in GMA’s 13 & 16..... Armando Vela, 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 Grants .....Chairman
  
- G. Report on Regional Water Resource Advisory Committee (RWRAC) ..... Com. David Fuentes  
RWRAC Chairman

6. Reports from Federal and State Agencies

**ACTION MAY BE TAKEN ON ANY OF THE FOLLOWING ITEMS**

- A. TWDB..... Kevin Smith  
Regional Water Planning
  - 1. RWP Contract Amendments
  - 2. Interregional Planning Council
  - 3. State Water Infrastructure Fund for Texas (SWIFT)
  - 4. New One-Pager
  - 5. New Educational Material
  - 6. Legislative Priorities Report
  
- B. IBWC..... Dr. Maria-Elena Giner  
Commissioner
  
- C. TCEQ Watermaster ..... Georgina Bermea  
Rio Grande Watermaster
  - 1. Status of Reservoirs

7. Consideration and **ACTION** to Schedule Date for Next Business Meeting.....Chairman

8. 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 in 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, 75<sup>th</sup> 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 2.**

**MINUTES**



# MINUTES

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

9:30 AM THURSDAY, SEPTEMBER 29, 2022

LRGVDC MAIN CAMPUS  
VIA GOTOMEETING VIDEO CONFERENCE & IN PERSON  
INITIATED AND CHAIRED AT 301 W. RAILROAD STREET, WESLACO, TX  
PRESIDING: JIM DARLING, CHAIRMAN

- DRAFT -

## **1. Call to Order and Roll Call**

Chairman Jim Darling called the meeting to order at 9:30 am and confirmed that a quorum of the voting membership was present.

The following voting members were in attendance:

<u>Board Members</u>	<u>Category</u>
Jim Darling, Chairman	River Authorities
Sonny Hinojosa, Vice Chairman	Water Districts
Don McGhee, Secretary	Industries
Frank Schuster, Executive Committee	Other
Nick Benavides, Executive Committee	Small Business
Glenn Jarvis	Other
John Bruciak	Municipalities
Tomas Rodriguez	Public
Jaime Flores	Environmental
Louie Pena for Armando Vela	Groundwater Management Areas
Riazul Mia	Municipalities
Dale Murden	Agriculture
Dr. Neal Wilkins	Agriculture
Jorge Flores	Municipalities
Commissioner David Fuentes	County
Debbie Farmer	Groundwater Management Area
Robert Latham	Electric Generating Utilities
Steven Sanchez	Water Utilities

The following voting members were not in attendance:

Carlos Garza	Small Business
Judge Joe Rathmell	Counties
Tom McLemore	Water Districts

## **2. Consideration and Action to Approve JULY 6, 2022, Meeting Minutes**

***Mr. Sonny Hinojosa made a motion to approve the minutes of the July 6, 2022, meeting as presented. Mr. Tomas Rodriguez seconded the motion, and upon a vote the motion carried unanimously.***

### **3. Hear Public Comment**

Mr. Tom Koeneke, Starr County Groundwater Conservation District, was recognized and informed the Group that the TCEQ's inquiry into SCGCD has been dismissed. The District entered into an agreed order with TCEQ to take certain actions and those have been completed; they are now in good standing with TCEQ. Mr. Koeneke added that a public information access page has been added to their website that includes information about wells.

### **4. Consideration and Action to Approve Contract between Halff Associates and LRGVDC for Time and Effort Dedicated toward Amendment Process**

Chairman Darling stated that the 85-page contract is an agreement to reimburse the LRGVDC in the amount of \$7,500 for their time and effort dedicated toward the amendment process. He asked there were any questions, there being none, he asked if there was a motion on the contract.

***Commissioner David Fuentes made a motion to approve the contract between Halff Associates and LRGVDC as presented. Mr. Riazul Mia seconded the motion, and upon a vote the motion carried unanimously.***

### **5. Consideration, Discussion, and Possible Action on Hidalgo County Drainage District #1 (HCDD1) Amendment to 2021 Rio Grande Regional Water Plan Opening**

#### A. Public Comments Received

Chairman Darling stated that the public comments period ended Friday, September 23, 2022, then read the comments that were submitted, none of which affect the amendment as presented.

#### B. Comments from TWDB

All comments from TWDB regarding the Plan Amendment were sent to the Black & Veatch (B&V) team and have been addressed in the final version of the amendment.

#### C. Comments from Planning Group Members and/or Consultants

Mr. Jaime Flores asked in what order the projects would be done. Commissioner Fuentes gave a summary of the order based on mitigating circumstances. Commissioner Fuentes added that construction of the temporary testing facility will begin in the next 30 to 60 days, and then the actual TCEQ process for testing water will start. He added that they are on schedule and hopefully formal reports will be available by the end of 2023.

#### D. Consideration and Action to Adopt Amendment

***Commissioner David Fuentes made a motion to adopt the amendment as presented. Mr. Steven Sanchez seconded the motion and upon a vote, the motion carried unanimously.***

### **6. Status Reports**

Ms. Jaime Burke, Water Planning Leader from Black & Veatch was recognized to address the following:

#### A. Status on Current TWDB Contract Activities

##### **1. Schedule and Progress Update**

Ms. Burke presented the Conceptual/Initial Schedule for the Region M Plan Development and summarized the progress to date.

## 2. Draft Projections from TWDB for Irrigation and Mining

Ms. Burke presented the draft Irrigation Demand Projections from TWDB. She stated that Region M requested a revision during the previous planning cycle to use 2011 historical use for the 2020 Demand. In 2011 this region experienced little rainfall and high demand, and the full reservoirs provided minimal supply constraints. A rate of change over the planning horizon was requested that used a combination of sedimentation and historic rate at which irrigation water rights have been converted to municipal use. There was lengthy discussion that considered many sides of this projection. Kevin Smith, TWDB, suggested their staff who work with these projections could provide an in-depth presentation at the next meeting. Discussion only, no action needed.

Upon conclusion of discussion on the Irrigation Demand, Ms. Burke moved to the Mining Demand projections. She stated that these projections were developed in the Mining Use Study that TWDB conducted in partnership with the University of Texas Bureau of Economic Geology and the US Geological Survey. A link to their report is at the bottom of slide 22 of Ms. Burke's presentation which is posted on the Region M website at: <http://www.riograndewaterplan.org/meetings>

Ms. Burke stated that mining demands include oil and gas, coal and aggregate. She pointed out that the mining demand for Maverick County and Webb County decline significantly after 2070 and stated that part of the study anticipates that the fracking wells will have been played out by this time resulting in no more water demand by that time. She suggested that a presentation might be available to explain those calculations.

Chairman Darling stated that it would be interesting to see those calculations because why wouldn't there be a gradual decreased based on wells playing out instead of such a big drop off. Ms. Burke recalled from a webinar on this topic that there are a certain number of wells that the TWDB study anticipates needing basically to reach build out. They looked at the last several years of how many have been drilled per year. They basically applied that rate out until they ran out, which was around 2060 or 2070 in most of the areas that do fracking. However, the areas like Hidalgo County have more aggregate mining and look as if they will continue to increase over time. Ms. Burke suggested requesting a presentation to provide more specific information.

Chairman Darling suggested reopening this discussion closer to the time when the Group has to take action and approve these figures. No action needed at this time.

### B. Financial Report

#### 1. Consideration and Action to Accept Expenditure Report

Chairman Darling gave the expenditure report for the period of January 1, 2022, through September 30, 2022. From the local funds annual budget of \$26,043.00, there is a balance of \$24,214.78 remaining. The cash fund balance is \$98,827.68 which includes \$244.33 in interest income. **Mr. Steven Sanchez made a motion to accept the expenditure report as presented. Commissioner David Fuentes seconded the motion, and upon a vote the motion carried unanimously.**

### C. Status of Joint Groundwater Area Planning in GMA's 4, 5, 7, 13, & 16

Mr. Louie Pena, General Manager for Brush Country Groundwater Management District

and GMA 16 member was recognized and reported for GMA 16. He informed the Group that he is serving today as an alternate for Mr. Armando Vela. Mr. Pena reported that GMA 16 submitted their Desired Future Conditions (DFC) to the TWDB and were informed they are Administratively Complete, and their next meeting is tentatively scheduled for January 2023.

Ms. Debbie Farmer, Representative of GMA 13, and General Manager of Winter Garden GCD was recognized and informed the Group that on July 22, the TWDB presented to Stakeholders their draft of the updated GMA 13 Groundwater Availability Model (GAM) for the southern portion of the Queen City, Sparta, and Carrizo-Wilcox aquifers. They have received written public comments on the draft GAM and requested and received an extension from TWDB to review the GAM and receive or make comments on the GAM. The deadline has been extended to October 31, 2022. Immediately following the Stakeholders Forum, the committee began their quarterly meeting. A Request for Qualifications for hydrogeological services for this cycle of planning has been issued, and the deadline for submittal is tomorrow, September 30, 2022. The next meeting has been scheduled for October 14, 2022, at 10:00 a.m. in Pleasanton.

D. Reports from Other Water Planning Groups

**1. Reports from Liaisons with Other Regions: Region J, Tomas Rodriguez; Region L, Don McGhee, and Region N, Commissioner David Fuentes**

No reports were available at this time.

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

The list of plans received was in the meeting packet for review and included two recently submitted plans from Brush Country GCD and Cameron county ID #6.

Chairman Darling stated that in the last session, TWDB statutorily required Water Planning Groups to be more active regarding water conservation plans. Groups are supposed to review them to make recommendations to cities so that there are uniform requirements and citizens are better able to understand water conservation measures. Last year, Region M sent letters to the cities in our region asking that they review their plans, provide information, and enforce their provisions when the combined reservoir levels were close to 20%. He suggested the Group review the water conservation plan summaries and recommendations from the TWDB.

F. Report on Notices of Applications for Funding and Grants

No new notices have been received.

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

Commissioner David Fuentes informed the Group that at their recent meeting, the RWRAC received reports from all their partners, as well as the General Land Office (GLO). In addition, Texas A&M Kingsville gave a presentation on the Arroyo Sub-Watershed Delineation Database. Commissioner Fuentes announced that the RWRAC has a member vacancy in the Higher Education category and would appreciate the Group spreading the word to individuals in the education field.

## **7. Reports from Federal and State Agencies**

### **A. TWDB**

Mr. Kevin Smith was recognized and reported on the following items:

#### **1. Interregional Planning Council**

Mr. Smith informed the Group that the first meeting of the Interregional Planning Council is scheduled for November 9, 2022, in Austin with a virtual component.

#### **2. Contract Amendment**

Contract amendments will be routed for signature soon, and will include anticipated total project cost, full scope of work, and updated contract guidance documents.

#### **3. New Water Supply and Flood Mitigation Information**

Mr. Smith informed the Group that this information will be posted on the TWDB educational webpage at:

[https://www.twdb.texas.gov/waterplanning/rwp/education/WaterSupply\\_and\\_FloodMitigationProjects.pdf](https://www.twdb.texas.gov/waterplanning/rwp/education/WaterSupply_and_FloodMitigationProjects.pdf)

#### **4. RWP Amendment Guidance**

Mr. Smith provided links to amendment guidance/flowchart that have been updated and posted to the 2026 RWP document page. Mr. Smith's presentation is available for review on the Groups website meetings page at:

<http://www.riograndewaterplan.org/meetings>

### **B. IBWC**

No report was available.

### **C. TCEQ Watermaster**

Ms. Georgina Burmea was recognized and stated that she was filling in today for Mr. Jose Davila, Acting Watermaster. She provided the September 17, 2022, reservoir report which was included in the meeting packet.

## **8. Consideration and Action to Schedule Next Business Meeting**

***It was the consensus of the Group to schedule the next meeting for Wednesday, February 1, 2023, at 9:30 am.***

## **9. Adjourn**

There being no further business to come before the Group, Chairman Darling adjourned the meeting at 10:33 a.m.

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Mr. Jim Darling, Chair

**ITEM 4.**

**ELECTION  
OF  
OFFICERS**



\*Jim Darling, *Chairman*  
Rio Grande Regional Water Authority

\*Sonny Hinojosa, *Vice-Chairman*  
HCID #2, San Juan,

\*Donald K. McGhee, *Secretary*  
Hydro Systems, Inc., Harlingen

\*Frank Schuster  
Val Verde Vegetable Co., McAllen

\*Nick Benavides  
Nick Benavides, Company, Laredo

Glenn Jarvis  
Attorney, McAllen

John Bruciak  
Brownsville PUB

Tomas Rodriguez  
Public, Laredo

Carlos Garza, P.E.  
AEC Engineering, LLC., Edinburg

Joe Rathmell  
Zapata County Judge

Jaime Flores  
Arroyo Colorado Partnership, Weslaco

Armando Vela  
Red Sands GCD, Linn

Dale Murden  
Texas Citrus Mutual, Mission

Riazul Mia  
City of Laredo, Engineer

Neal Wilkins, Ph.D.  
East Foundation

Jorge Flores  
Eagle Pass Water Works

David L. Fuentes  
Hidalgo County Commissioner

Tom McLemore  
Harlingen Irrigation District

Debbie Farmer  
Wintergarden GCD, GMA 13

Robert Latham  
Magic Valley Generating Station

Steven Sanchez  
North Alamo Water Supply Corp

**\*Executive Committee**

## MEMORANDUM

TO: RGRWPG Voting Members  
FROM: Debby Morales, LRGVDC Executive Assistant  
DATE: February 22, 2023  
SUBJ: **Election of Officers**

According to the Region M Bylaws:

### ARTICLE VII. OFFICERS

#### Section 1. Officers, Restrictions and Terms of Office

Voting members of the RGRWPG shall select from the voting membership a Chair, a Vice Chair, and a Secretary to serve as officers. *Each officer shall serve a term of one calendar year.*

#### Section 6. Executive Committee

The Executive Committee shall be composed of five RGRWPG members, including the Chair, Vice Chair, Secretary and two members-at-large. No two voting members representing the same interest shall serve as members of the Executive Committee at the same time. The two members-at-large shall be selected annually in the same manner and with the same terms as set forth for the selection of officers under this Article.

Those currently serving on the Executive Committee are:


NAME	OFFICE	CATEGORY	COUNTY
Jim Darling	Chair	River Authorities	Hidalgo
Sonny Hinojosa	Vice Chair	Water Districts	Hidalgo
Don McGhee	Secretary	Industries	Cameron
Frank Schuster	Member-at-Large	Other	Hidalgo
Nick Benavides	Member-at-Large	Small Business	Webb

*Stewards of water resources from Amistad to the Gulf*

**ITEM 5. A.**

**BLACK & VEATCH**

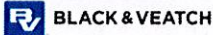






# Rio Grande RWPG Meeting

## 2026 Region M Regional Water Plan

Jaime Burke, Black & Veatch  
March 1, 2023




1



## AGENDA

### 5.A Status on Current TWDB Contract Activities

1. Schedule and Progress Update
2. Presentation of and Consider Action on Recommendation from Population and Water Demand Subcommittee to Revise Draft Non-Municipal Demand Projections from TWDB
3. Presentation and Initial Discussion of Draft Population and Municipal Demand Projections from TWDB

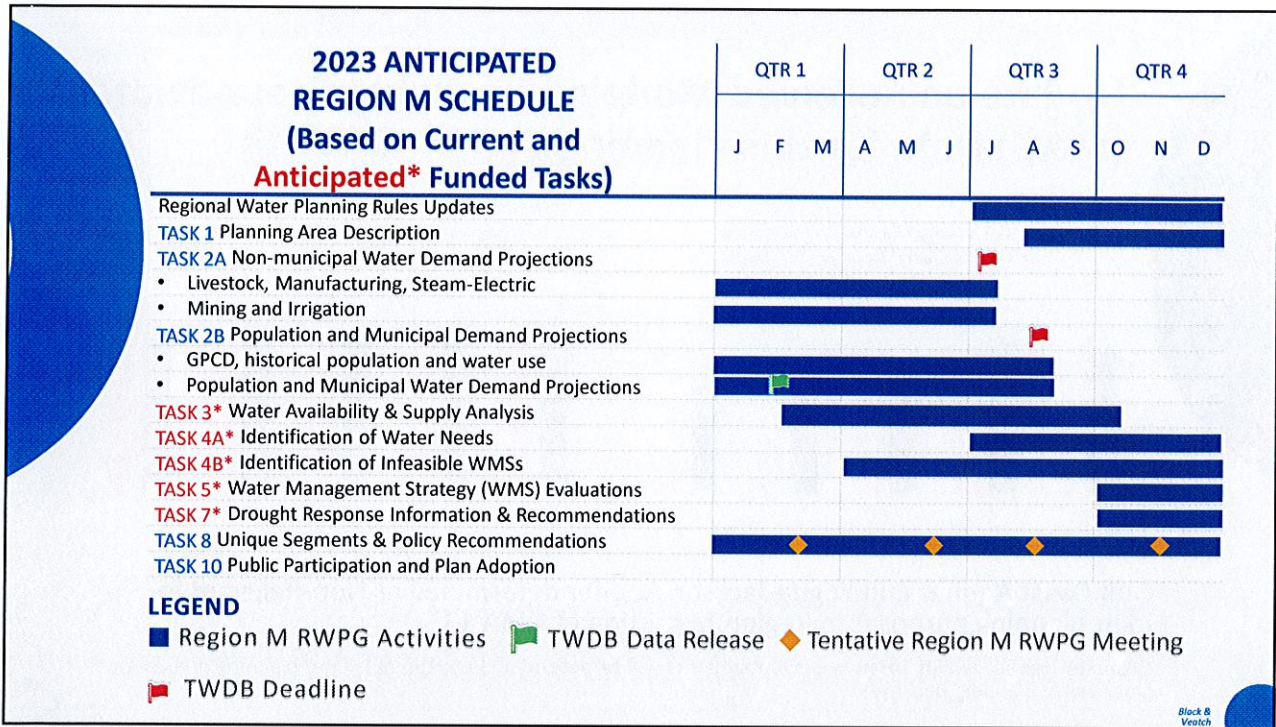


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## Progress Update

- Continued review of non-municipal demand supporting data.
- Held Population and Water Demand Subcommittee meeting on January 12, 2023, to discuss all the non-municipal WUG categories and potential revisions.
- Prepared webinar presentation for municipal WUGs to introduce Regional Water Planning and how to provide input during the process.
- Started review of draft population and municipal demand projections and preparing outreach to WUGs.

\*Amendment 1 to the 2021 Region M Water Plan was approved by TWDB and an amendment to the State Water Plan has been adopted.

6



## Update on Received Modeled Available Groundwater (MAG) Data for this Planning Cycle – GMA 13



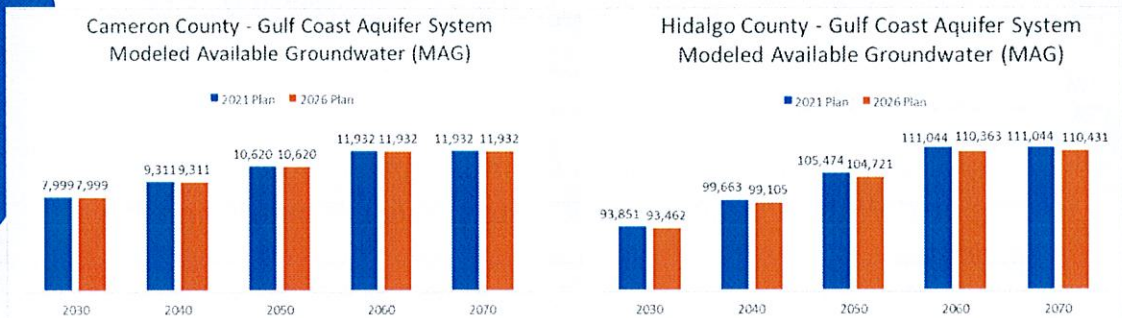
Gulf Coast Aquifer and Yegua-Jackson Aquifer determined as Non-Relevant for joint planning purposes in Region M portion of GMA 13

Groundwater availability for non-relevant aquifers will be determined by regional water planning groups for state water planning purposes.

Black & Veatch

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## Update on Received Modeled Available Groundwater (MAG) Data for this Planning Cycle – GMA 16



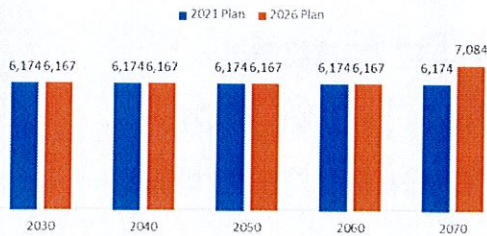
Yegua-Jackson Aquifer determined as Non-Relevant for joint planning purposes in Region M portion of GMA 16

Black & Veatch

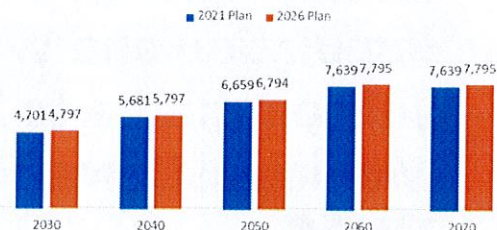
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## Update on Received Modeled Available Groundwater (MAG) Data for this Planning Cycle – GMA 16

Jim Hogg County - Gulf Coast Aquifer System  
Modeled Available Groundwater (MAG)



Starr County - Gulf Coast Aquifer System  
Modeled Available Groundwater (MAG)



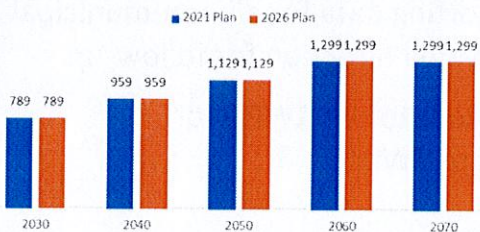
Yegua-Jackson Aquifer determined as Non-Relevant for joint planning purposes in Region M portion of GMA 16

Black & Veatch

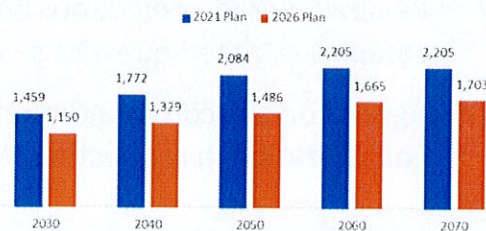
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## Update on Received Modeled Available Groundwater (MAG) Data for this Planning Cycle – GMA 16

Webb County - Gulf Coast Aquifer System  
Modeled Available Groundwater (MAG)



Willacy County - Gulf Coast Aquifer System  
Modeled Available Groundwater (MAG)



Yegua-Jackson Aquifer determined as Non-Relevant for joint planning purposes in Region M portion of GMA 16

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## **5.A.2 Presentation of and Consider Action on Recommendation from Population and Water Demand Subcommittee to Revise Draft Non- Municipal Demand Projections from TWDB**

Black &  
Veatch

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### **Population and Water Demand Subcommittee**

- Met twice – June 16, 2022, and January 12, 2023.
- Reviewed draft projections and supporting data for all non-municipal categories, asked questions, and provided direction for follow-up.
- Agreed on a recommendation to present to the RWPG for consideration in requesting revisions to TWDB.

Consider action today to approve requested revisions and submit to TWDB

Black &  
Veatch

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## Draft Livestock Water Demand Projections (Ac-Ft/Yr)

Region	County	Historical Water Use Estimates					2021 Regional Water Plan Projections						2026 DRAFT Regional Water Plan Projections					
		2015	2016	2017	2018	2019	2020	2030	2040	2050	2060	2070	2030	2040	2050	2060	2070	2080
M	CAMERON	309	314	264	274	274	436	436	436	436	436	436	287	287	287	287	287	287
M	HIDALGO	722	735	582	603	603	777	777	777	777	777	777	649	649	649	649	649	649
M	JIM HOGG	445	449	392	407	407	376	376	376	376	376	376	420	420	420	420	420	420
M	MAVERICK	453	471	467	487	487	371	371	371	371	371	371	473	473	473	473	473	473
M	STARR	1,131	1,142	800	825	825	1,192	1,192	1,192	1,192	1,192	1,192	945	945	945	945	945	945
M	WEBB	956	980	812	842	842	963	963	963	963	963	963	886	886	886	886	886	886
M	WILLACY	201	204	190	196	196	235	235	235	235	235	235	197	197	197	197	197	197
M	ZAPATA	433	439	299	312	313	398	398	398	398	398	398	359	359	359	359	359	359
Region Total		4,650	4,734	3,806	3,946	3,947	4,748	4,748	4,748	4,748	4,748	4,748	4,216	4,216	4,216	4,216	4,216	4,216

Table 1. Water use parameter comparison, 2021 and 2026 RWPs

TWDB category	Subcategory	2021 RWP water use (gal/head/day)	2026 RWP water use (gal/head/day)
Cattle	Milk	75	55
	Fed & other cattle	15	15
Chickens	Non-broilers	0.086	0.09
	Broilers	0.077	0.09
Turkeys	Turkeys	0.2	0.2
Equine	Horses, ponies, mules, burros, & donkeys	12	12
Hogs	Hogs	11	5
Sheep	Sheep	2	2
Goats	Milk		
	Meat	0.5	2
	Angora		

- Recommendation of P&WD Subcommittee:
  - No revisions needed

Black & Veatch

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## Draft Manufacturing Water Demand Projections (Ac-Ft/Yr)

Region	County	Historical Water Use Estimates					2021 Regional Water Plan Projections						2026 DRAFT Regional Water Plan Projections					
		2015	2016	2017	2018	2019	2020	2030	2040	2050	2060	2070	2030	2040	2050	2060	2070	2080
M	CAMERON	322	403	356	271	279	1,647	1,846	1,846	1,846	1,846	1,846	460	477	495	513	532	552
M	HIDALGO	2,787	3,564	2,705	2,379	2,118	2,236	2,721	2,721	2,721	2,721	2,721	3,926	4,071	4,222	4,378	4,540	4,708
M	JIM HOGG	0	36	36	37	38	2	2	2	2	2	2	42	44	46	48	50	52
M	MAVERICK	63	58	64	63	89	65	65	65	65	65	65	98	102	106	110	114	118
M	STARR	74	74	74	74	74	95	116	116	116	116	116	81	84	87	90	93	96
M	WEBB	71	39	41	45	59	251	296	296	296	296	296	78	81	84	87	90	93
M	WILLACY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	ZAPATA	0	0	0	0	0	9	9	9	9	9	9	0	0	0	0	0	0
Region Total		3,317	4,174	3,276	2,869	2,657	4,305	5,055	5,055	5,055	5,055	5,055	4,685	4,859	5,040	5,226	5,419	5,619

- Cameron County – significant decrease compared to 2021 Plan (GW and SW)
  - Cameron County – Decrease from 2014 to 2015 mainly due to Brownsville Navigation District and Texas Pack Inc. no longer reporting water use
- Hidalgo County – significant increase compared to 2021 Plan (SW)
  - Hidalgo County – Increase from 2014 to 2015 mainly due increased use by Rio Grande Valley Sugar Growers and Edinburg Plant – Azteca Milling LP
  - In 2016, Rio Grande Valley Sugar Growers show a high use of 2,393 Ac-ft/yr, other years from 2015-2019 are between 1,600-2,000 Ac-ft/yr.

- Recommendation of P&WD Subcommittee: No revisions needed

Black & Veatch

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## Draft Steam-Electric Water Demand Projections (Ac-Ft/Yr)

Region	County	Historical Water Use Estimates					2021 Regional Water Plan Projections						2026 DRAFT Regional Water Plan Projections					
		2015	2016	2017	2018	2019	2020	2030	2040	2050	2060	2070	2030	2040	2050	2060	2070	2080
M	CAMERON	165	106	70	64	61	3,550	3,550	3,550	3,550	3,550	3,550	165	165	165	165	165	165
M	HIDALGO	7,847	8,653	8,220	10,325	9,404	11,538	11,538	11,538	11,538	11,538	11,538	10,325	10,325	10,325	10,325	10,325	10,325
M	JIM HOGG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	MAVERICK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	STARR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	WEBB	81	94	113	131	103	152	152	152	152	152	152	131	131	131	131	131	131
M	WILLACY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	ZAPATA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Region Total		8,093	8,853	8,403	10,520	9,568	15,240	15,240	15,240	15,240	15,240	15,240	10,621	10,621	10,621	10,621	10,621	10,621

- Cameron County
  - 2021 Plan included 3,400 AFY of demand for two planned facilities associated with Coronado Power Ventures (La Paloma Energy Center).
  - **2026 Plan data show those facilities have been canceled, thus reducing the demand.**
- No new proposed facilities identified for the region this cycle.
- Recommendation of P&WD Subcommittee: No revisions needed

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## Draft Mining Demand Projections from TWDB

DRAFT Mining Water Demand Projections for the 2026 Regional Water Plans (Demands in Acre-Feet)							
Region	County	2030	2040	2050	2060	2070	2080
M	CAMERON	0	0	0	0	0	0
M	HIDALGO	234	260	286	312	337	361
M	JIM HOGG	9	9	9	9	9	9
M	MAVERICK	4,898	4,898	4,898	4,898	4,898	2
M	STARR	193	200	207	213	218	223
M	WEBB	4,142	4,144	4,147	4,149	4,151	31
M	WILLACY	2	2	2	2	2	2
M	ZAPATA	6	6	6	6	6	6
Region Total		9,484	9,519	9,555	9,589	9,621	634

- Projections were developed in the mining water use study that TWDB conducted in partnership with the University of Texas Bureau of Economic Geology (BEG) and U.S. Geological Survey.
- For more information regarding the mining study and the report:  
<https://www.twdb.texas.gov/waterplanning/data/projections/MiningStudy/index.asp>
- Recommendation of P&WD Subcommittee: No revisions needed

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## Draft Irrigation Demand Projections from TWDB

DRAFT Projections for the 2026 Regional Water Plans (Demands in Acre-Feet)

Region	County	2030	2040	2050	2060	2070	2080
M	Cameron	333,373	333,373	333,373	333,373	333,373	333,373
M	Hidalgo	542,604	542,604	542,604	542,604	542,604	542,604
M	Jim Hogg	82	82	82	82	82	82
M	Maverick	57,280	57,280	57,280	57,280	57,280	57,280
M	Starr	6,263	6,263	6,263	6,263	6,263	6,263
M	Webb	2,890	2,890	2,890	2,890	2,890	2,890
M	Willacy	61,960	61,960	61,960	61,960	61,960	61,960
M	Zapata	1,414	1,414	1,414	1,414	1,414	1,414
	Region Total	1,005,866	1,005,866	1,005,866	1,005,866	1,005,866	1,005,866

- Methodology – Average of 2015-2019 historical use
- Demands kept flat across the planning decades

		Historical Water Use Estimates				
Region	County	2015	2016	2017	2018	2019
M	CAMERON	187,426	387,105	401,206	381,670	309,456
M	HIDALGO	250,015	493,801	695,044	657,699	616,459
M	JIM HOGG	80	160	80	50	42
M	MAVERICK	33,423	38,195	63,716	86,619	64,446
M	STARR	4,561	8,691	7,560	5,365	5,139
M	WEBB	1,967	2,620	2,735	3,920	3,206
M	WILLACY	38,274	76,181	69,611	70,718	55,015
M	ZAPATA	1,021	1,524	1,418	1,513	1,593
	Region Total	516,767	1,008,277	1,241,370	1,207,554	1,055,356

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## Irrigation Demands from 2021 Plan

- Requested revision to use 2011 historical use for 2020 Demand
  - Little rainfall (high demand) and full reservoirs (minimal supply constraints)
- Requested rate of change over the planning horizon that used a combination of sedimentation and historic rate at which irrigation water rights have been converted to municipal use.

		Historical Water Use Estimates					2021 Regional Water Plan Projections					
Region	County	2010	2011	2012	2013	2014	2020	2030	2040	2050	2060	2070
M	CAMERON	255,000	537,217	386,000	266,150	289,334	537,217	519,972	502,725	485,479	468,233	450,987
M	HIDALGO	405,000	688,667	495,222	302,491	410,384	688,667	666,560	644,451	622,343	600,236	578,127
M	JIM HOGG	250	360	292	120	80	360	348	337	325	314	302
M	MAVERICK	52,000	61,706	42,740	42,320	62,158	61,706	59,725	57,744	55,763	53,782	51,801
M	STARR	15,000	23,875	13,000	12,438	3,785	23,875	23,109	22,342	21,576	20,809	20,043
M	WEBB	6,100	10,425	6,675	4,250	1,138	10,425	10,090	9,756	9,421	9,086	8,752
M	WILLACY	45,000	99,610	70,000	53,289	53,177	99,610	96,412	93,215	90,017	86,819	83,621
M	ZAPATA	4,000	5,100	1,650	1,310	1,706	5,100	4,936	4,773	4,609	4,445	4,281
	Region Total	782,350	1,426,960	1,015,579	682,368	821,762	1,426,960	1,381,152	1,335,343	1,289,533	1,243,724	1,197,914

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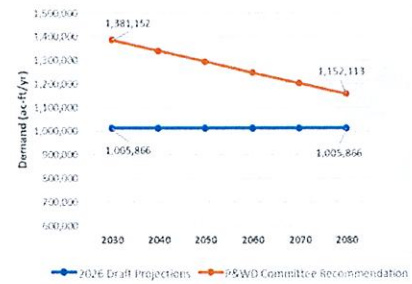
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## P&WD Subcommittee Recommendation for Revision to Irrigation

- Use the demand projections from the 2021 Plan and extend out to 2080.

Comparison of Irrigation Demand Projections



County	2030	2040	2050	2060	2070	2080
CAMERON	519,972	502,725	485,479	468,233	450,987	433,744
HIDALGO	666,560	644,451	622,343	600,236	578,127	556,024
JIM HOGG	348	337	325	314	302	290
MAVERICK	59,725	57,744	55,763	53,782	51,801	49,820
STARR	23,109	22,342	21,576	20,809	20,043	19,277
WEBB	10,090	9,756	9,421	9,086	8,752	8,417
WILLACY	96,412	93,215	90,017	86,819	83,621	80,424
ZAPATA	4,936	4,773	4,609	4,445	4,281	4,117
<b>Region Total</b>	<b>1,381,152</b>	<b>1,335,343</b>	<b>1,289,533</b>	<b>1,243,724</b>	<b>1,197,914</b>	<b>1,152,113</b>

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## Consider Action on Recommendations for Revisions to Non-Municipal Demand Projections

- Livestock – No revisions
- Manufacturing - No revisions
- Steam-Electric - No revisions
- Mining - No revisions
- Irrigation - Use the demand projections from the 2021 Plan and extend out to 2080.

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## 5.A.3 Presentation and Initial Discussion of Draft Population and Municipal Demand Projections from TWDB

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### Draft Population and Municipal Water Demand Projections



TWDB provides the RWPGs with Draft Population and Municipal Water Demand Projections they develop from the State Demographer's Data



The RWPGs are tasked with reviewing the draft projections and providing any requested revisions back to TWDB before August 11, 2023.



The RWPGs will send the draft projections to the utilities (municipal WUGs) to obtain feedback prior to deadline.

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## Draft Population and Municipal Water Demand Projections



TWDB provides the RWPGs with Draft Population and Municipal Water Demand Projections they develop from the State Demographer's Data

- The draft projections include:
  - Population projections based on the Texas Demographic Center (TDC) full (1.0) migration scenario,
  - Baseline Gallons Per Capital Daily (GPCD),
  - Plumbing code savings projections,
  - Municipal demand projections

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## Draft Population and Municipal Water Demand Projections

Some key points on these projections include:

- Population projections are based on county-level projections from the Texas Demographic Center (TDC), which used migration rates between the 2010 and 2020 Census to project future growth.
- The Texas Water Development Board (TWDB) drafted WUG-level population and water demand projections using the TDC's full-migration scenario (1.0) projections and provided the half-migration scenario (0.5) projections by Region-County for the planning groups' consideration. The higher of the total regional populations is the allowable cap on total population for the region.
- For the 2026 Regional Water Plans (RWPs), draft county population projections being provided to the RWPGs followed the trends, including population declines.
- As expected, the population projections of certain counties and WUGs are significantly different from those in the 2021 Regional Water Plans.
  - The 2021 RWP projections were based on the 2016 RWP projections, which relied on migration rates from 2000-2010 and the TDC's 2012 projections
  - The 2026 draft projections are tied to the 2020 U.S. Census. These projections include associated updates in the TDC cohort model to reflect updated birth and mortality rates.



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# TWDB Draft 2026 County Population Projections

Region	County	1.0 migration scenario (WUGs projected using this scenario)						0.5 migration scenario					
		2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
M	CAMERON	423,347	422,389	415,695	404,490	393,433	382,522	433,804	445,013	449,091	447,915	446,726	445,524
M	HIDALGO	920,647	971,409	997,268	1,000,548	1,003,785	1,006,979	932,285	995,377	1,036,526	1,058,241	1,080,194	1,102,388
M	JIM HOGG	4,366	3,969	3,607	3,246	2,890	2,539	4,676	4,622	4,508	4,391	4,273	4,154
M	MAVERICK	61,051	64,131	66,027	66,653	67,271	67,881	62,424	66,814	70,294	72,996	75,728	78,490
M	STARR	68,683	71,778	73,398	73,394	73,390	73,386	70,499	75,394	79,002	81,275	83,573	85,896
M	WEBB	267,953	267,258	258,696	244,376	230,245	216,300	279,673	290,779	294,162	291,218	288,242	285,233
M	WILLACY	18,905	17,645	16,173	14,603	13,054	11,525	19,933	19,647	19,083	18,366	17,641	16,908
M	ZAPATA	13,377	12,805	12,128	11,392	10,666	9,950	14,075	14,288	14,295	14,158	14,019	13,878
<b>Region M Total</b>		<b>1,778,329</b>	<b>1,831,384</b>	<b>1,842,992</b>	<b>1,818,702</b>	<b>1,794,734</b>	<b>1,771,082</b>	<b>1,817,369</b>	<b>1,911,934</b>	<b>1,966,961</b>	<b>1,988,560</b>	<b>2,010,396</b>	<b>2,032,471</b>

Note: 0.5 migration scenario is higher region-total population projections

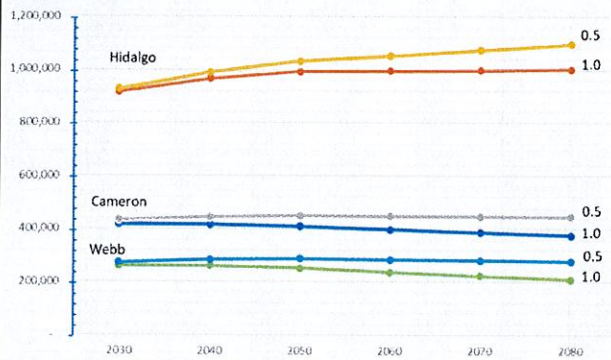
RWPG will be able to choose if they feel the 0.5 migration scenario is more appropriate

If it is, the RWPG may want to request that TWDB revise the municipal WUG data using the 0.5 migration scenario (currently uses 1.0) before sending to WUGs for review

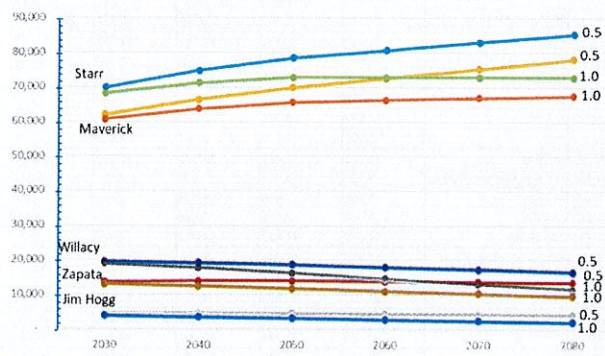
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## Comparison of County Population Migration Scenarios (1.0 vs 0.5)

Comparison of Migration Scenarios (1.0 vs. 0.5)



Comparison of Migration Scenarios (1.0 vs. 0.5)



The 0.5 migration scenario results in higher populations

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## TWDB Draft Cameron County WUG Populations (Based on 1.0 Migration Scenario)

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
CAMERON	Harlingen	83,677	83,487	82,165	79,949	77,763	75,605	159	13,664	13,158	12,853	12,485	12,143	11,806
CAMERON	Laguna Madre Water District	10,832	10,805	10,630	10,335	10,044	9,755	378	4,397	4,309	4,222	4,101	3,986	3,871
CAMERON	North Alamo WSC	4,213	4,203	4,135	4,019	3,905	3,793	146	639	619	603	584	567	551
CAMERON	Valley MUD 2	3,005	2,998	2,949	2,867	2,786	2,705	286	922	905	887	862	837	813
CAMERON	Brownsville	187,068	186,633	183,643	178,634	173,686	168,799	154	29,761	28,768	28,106	27,289	26,533	25,787
CAMERON	Combes	2,968	2,961	2,912	2,831	2,751	2,671	85	242	227	220	213	207	201
CAMERON	County-Other, Cameron	11,727	11,700	11,516	11,200	10,892	10,586	147	1,753	1,687	1,645	1,598	1,554	1,510
CAMERON	East Rio Hondo WSC	23,778	23,737	23,391	22,821	22,263	21,719	125	3,008	2,888	2,818	2,746	2,679	2,613
CAMERON	La Feria	6,060	6,045	5,947	5,782	5,618	5,455	118	709	671	653	634	616	598
CAMERON	Los Fresnos	7,306	7,288	7,169	6,969	6,772	6,577	60	491	490	482	468	455	442
CAMERON	Military Highway WSC	27,623	27,555	27,107	26,353	25,606	24,867	136	3,848	3,716	3,622	3,517	3,417	3,319
CAMERON	Olimito WSC	7,152	7,151	7,075	6,959	6,850	6,752	166	1,229	1,194	1,173	1,152	1,134	1,118
CAMERON	Palm Valley	1,276	1,273	1,252	1,218	1,182	1,148	166	219	211	206	200	194	189
CAMERON	Primera	4,391	4,380	4,308	4,189	4,070	3,952	79	295	294	290	282	274	266
CAMERON	Rio Hondo	1,670	1,666	1,638	1,593	1,548	1,503	66	112	112	110	107	104	101
CAMERON	San Benito	25,354	25,295	24,890	24,211	23,541	22,878	116	2,941	2,796	2,726	2,646	2,573	2,500
CAMERON	Santa Rosa	2,876	2,869	2,822	2,744	2,665	2,588	79	193	193	190	184	179	174
CAMERON	El Jardin WSC	12,371	12,343	12,146	11,816	11,491	11,169	102	1,207	1,128	1,096	1,063	1,033	1,004
	<b>Total</b>	<b>423,347</b>	<b>422,389</b>	<b>415,695</b>	<b>404,490</b>	<b>393,433</b>	<b>382,522</b>		<b>65,630</b>	<b>63,366</b>	<b>61,902</b>	<b>60,131</b>	<b>58,485</b>	<b>56,863</b>

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## TWDB Draft Hidalgo County WUG Populations (Based on 1.0 Migration Scenario)

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
HIDALGO	McAllen	141,286	145,693	147,797	149,346	150,887	152,422	211	31,351	31,523	31,763	32,032	32,338	32,643
HIDALGO	North Alamo WSC	210,315	230,207	240,685	238,875	237,053	235,222	146	31,879	33,883	35,078	34,720	34,442	34,176
HIDALGO	Sharyland WSC	87,834	94,982	98,718	98,320	97,917	97,510	160	14,680	15,455	15,922	15,822	15,752	15,687
HIDALGO	Alamo	19,305	19,544	19,631	19,954	20,276	20,598	125	2,434	2,361	2,347	2,378	2,413	2,447
HIDALGO	County-Other, Hidalgo	6,882	5,444	4,635	5,222	5,809	6,392	109	738	557	467	523	579	633
HIDALGO	Donna	17,160	17,935	18,324	18,437	18,550	18,662	117	2,020	2,015	2,037	2,042	2,053	2,064
HIDALGO	Edcouch	2,520	2,292	2,161	2,283	2,405	2,526	81	195	165	154	162	170	177
HIDALGO	Edinburg	84,697	90,951	94,203	94,015	93,824	93,630	121	10,354	10,673	10,903	10,844	10,817	10,794
HIDALGO	Elsa	4,601	4,129	3,858	4,098	4,339	4,579	102	462	392	363	383	404	425
HIDALGO	Hidalgo	11,921	12,433	12,688	12,775	12,862	12,948	118	1,404	1,398	1,406	1,410	1,418	1,427
HIDALGO	Hidalgo County MUD 1	5,190	5,318	5,378	5,445	5,511	5,578	92	460	444	440	444	448	453
HIDALGO	La Joya	4,705	4,958	5,086	5,105	5,124	5,143	116	550	554	561	562	563	565
HIDALGO	La Villa	2,066	2,431	2,628	2,557	2,487	2,417	100	208	234	248	240	233	227
HIDALGO	Mercedes	14,389	14,428	14,417	14,701	14,984	15,267	102	1,442	1,367	1,349	1,370	1,394	1,417
HIDALGO	Military Highway WSC	15,712	15,226	14,923	15,396	15,869	16,341	136	2,189	2,053	1,994	2,055	2,118	2,181
HIDALGO	Mission	87,233	91,134	93,083	93,675	94,262	94,845	187	17,102	17,438	17,671	17,752	17,855	17,960
HIDALGO	Pharr	84,151	88,893	91,313	91,581	91,845	92,106	100	8,306	8,345	8,428	8,419	8,436	8,456
HIDALGO	San Juan	23,508	23,793	23,896	24,292	24,686	25,079	129	3,084	3,007	2,990	3,033	3,078	3,123
HIDALGO	Westaco	32,009	32,478	32,662	33,176	33,689	34,201	156	5,143	5,040	5,027	5,095	5,168	5,240
HIDALGO	Agua SUD	65,163	69,140	71,182	71,295	71,406	71,513	100	6,510	6,605	6,704	6,692	6,699	6,708
	<b>Total</b>	<b>920,647</b>	<b>971,409</b>	<b>997,268</b>	<b>1,000,548</b>	<b>1,003,785</b>	<b>1,006,979</b>		<b>140,511</b>	<b>143,509</b>	<b>145,852</b>	<b>145,978</b>	<b>146,378</b>	<b>146,803</b>

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## TWDB Draft Jim Hogg County and Maverick County WUG Populations (Based on 1.0 Migration Scenario)

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
JIM HOGG	County-Other, Jim Hogg	1,115	1,015	924	835	746	657	109	118	101	91	82	73	64
JIM HOGG	Jim Hogg County WCID 2	3,251	2,954	2,683	2,411	2,144	1,882	126	412	358	322	289	257	225
	<b>Total</b>	<b>4,366</b>	<b>3,969</b>	<b>3,607</b>	<b>3,246</b>	<b>2,890</b>	<b>2,539</b>		<b>530</b>	<b>459</b>	<b>413</b>	<b>371</b>	<b>330</b>	<b>289</b>

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
MAVERICK	Eagle Pass	57,401	60,171	61,889	62,787	63,616	64,397	150	8,877	8,995	9,169	9,274	9,386	9,491
MAVERICK	County-Other, Maverick	1,299	847	553	369	247	165	120	150	92	59	39	26	18
MAVERICK	Maverick County	2,351	3,113	3,585	3,497	3,408	3,319	128	313	400	453	439	427	416
	<b>Total</b>	<b>61,051</b>	<b>64,131</b>	<b>66,027</b>	<b>66,653</b>	<b>67,271</b>	<b>67,881</b>		<b>9,340</b>	<b>9,487</b>	<b>9,681</b>	<b>9,752</b>	<b>9,839</b>	<b>9,925</b>

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## TWDB Draft Starr County and Webb County WUG Populations (Based on 1.0 Migration Scenario)

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
STARR	County-Other, Starr	4,248	4,225	4,268	4,557	4,826	5,079	115	483	456	455	483	509	533
STARR	La Grulla	8,095	8,452	8,638	8,641	8,643	8,645	161	1,356	1,376	1,395	1,393	1,393	1,394
STARR	Rio Grande City	17,419	18,158	18,543	18,556	18,570	18,583	214	3,941	4,014	4,075	4,072	4,074	4,077
STARR	Rio WSC	7,893	9,137	9,815	9,537	9,262	8,990	93	730	806	850	820	796	772
STARR	Roma	20,756	21,438	21,787	21,865	21,942	22,018	108	2,236	2,200	2,211	2,212	2,219	2,226
STARR	Agua SUD	238	230	223	219	215	211	100	24	22	21	21	20	20
STARR	Union WSC	7,021	7,211	7,306	7,345	7,384	7,422	157	1,141	1,134	1,140	1,144	1,150	1,156
STARR	El Sazuz WSC	1,664	1,778	1,839	1,826	1,814	1,802	91	149	153	155	153	152	151
STARR	El Tanque WSC	1,349	1,149	979	848	734	636	134	184	152	128	111	96	83
	<b>Total</b>	<b>68,683</b>	<b>71,778</b>	<b>73,398</b>	<b>73,394</b>	<b>73,390</b>	<b>73,386</b>		<b>10,244</b>	<b>10,313</b>	<b>10,430</b>	<b>10,409</b>	<b>10,409</b>	<b>10,412</b>

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
WEBB	County-Other, Webb	2,411	2,404	2,326	2,196	2,064	1,937	105	238	221	209	196	184	173
WEBB	Laredo	256,168	255,503	247,304	233,580	220,039	206,675	126	32,626	31,256	29,951	28,237	26,600	24,984
WEBB	Webb County	9,117	9,095	8,818	8,366	7,922	7,482	107	979	932	896	848	803	759
WEBB	Mirando City WSC	257	256	248	234	220	206	101	25	24	23	22	20	19
	<b>Total</b>	<b>267,953</b>	<b>267,258</b>	<b>258,696</b>	<b>244,376</b>	<b>230,245</b>	<b>216,300</b>		<b>33,868</b>	<b>32,433</b>	<b>31,079</b>	<b>29,303</b>	<b>27,607</b>	<b>25,935</b>

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## TWDB Draft Willacy County and Zapata County WUG Populations (Based on 1.0 Migration Scenario)

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
WILLACY	North Alamo WSC	4,284	4,066	3,859	3,663	3,477	3,300	146	649	598	562	532	505	479
WILLACY	County-Other, Willacy	4,425	4,203	3,666	2,901	2,089	1,236	112	491	448	385	305	219	130
WILLACY	Lyford	1,889	1,711	1,550	1,404	1,272	1,152	88	160	136	121	110	99	90
WILLACY	Raymondville	6,630	6,127	5,662	5,232	4,835	4,468	106	695	610	558	514	475	439
WILLACY	Sebastian MUD	1,337	1,154	996	878	773	680	64	90	78	67	59	52	46
WILLACY	Port Mansfield PUD	340	384	440	525	608	689	350	128	141	161	191	220	249
	<b>Total</b>	<b>18,905</b>	<b>17,645</b>	<b>16,173</b>	<b>14,603</b>	<b>13,054</b>	<b>11,525</b>		<b>2,213</b>	<b>2,011</b>	<b>1,854</b>	<b>1,711</b>	<b>1,570</b>	<b>1,433</b>

County	EntityName	2030 Pop	2040 Pop	2050 Pop	2060 Pop	2070 Pop	2080 Pop	Baseline GPCD	2030 Demar	2040 Demar	2050 Demar	2060 Demar	2070 Demar	2080 Demar
ZAPATA	County-Other, Zapata	1,105	1,181	1,208	1,196	1,170	1,133	127	138	139	140	139	135	131
	Zapata County San Ygnacio and Ramireño	321	256	206	171	142	119	170	57	44	35	29	24	20
ZAPATA	Zapata County	9,598	9,185	8,697	8,164	7,637	7,116	166	1,658	1,541	1,451	1,360	1,272	1,186
ZAPATA	Falcon Rural WSC	358	273	209	165	131	105	169	63	46	35	28	22	18
ZAPATA	Siesta Shores WCID	1,475	1,412	1,337	1,254	1,173	1,092	123	184	170	160	150	140	130
ZAPATA	Zapata County WCID-Hwy 16 East	520	498	471	442	413	385	266	149	141	133	124	116	108
	<b>Total</b>	<b>13,377</b>	<b>12,805</b>	<b>12,128</b>	<b>11,392</b>	<b>10,666</b>	<b>9,950</b>		<b>2,249</b>	<b>2,081</b>	<b>1,954</b>	<b>1,830</b>	<b>1,709</b>	<b>1,593</b>

Black & Veatch



**ITEM 5. B.**

**FINANCIAL  
REPORT**

# PROPOSED

## Region M 2023 Budget

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)	\$17,100.00						\$0.00	\$17,100.00
Website Maintenance	\$1,100.00						\$0.00	\$1,100.00
Travel	\$400.00						\$0.00	\$400.00
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	\$3,493.00						\$0.00	\$3,493.00
Local Match		\$100,411.57						
Interest Income		\$1,349.36						
<b>Budget Total</b>	<b>\$ 26,043.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	<b>\$26,043.00</b>
Actual Cash Available		<b>\$101,760.93</b>						<b>\$101,760.93</b>

Website Maintenance was adjusted from \$1,000 to \$1,1000  
 Travel was adjusted from \$500 to \$400

### Period 1/1/2022 to 12/31/2022

## Region M 2022 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)	\$17,100.00		\$66.67	\$2,837.47	\$4,651.17	\$1,592.40	\$9,147.71	\$7,952.29
Website Maintenance	\$1,000.00		\$150.00	\$225.00	\$425.00	\$300.00	\$1,100.00	-\$100.00
Travel	\$500.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00
Consumable Supplies	\$200.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$200.00
Printing	\$500.00		\$34.64	\$34.96	\$32.25	\$4.95	\$106.80	\$393.20
Communications Phone /Internet	\$500.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$500.00
Postage	\$100.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100.00
Sponsorships/other	\$2,650.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,650.00
Indirect Costs	\$3,493.00		\$17.92	\$762.71	\$1,250.23	\$428.04	\$2,458.90	\$1,034.10
Local Match		\$100,411.57						
Interest Income		\$1,349.36						
<b>Budget Total</b>	<b>\$ 26,043.00</b>		<b>\$269.23</b>	<b>\$3,860.14</b>	<b>\$6,358.65</b>		<b>\$12,813.41</b>	<b>\$13,229.59</b>
Actual Cash Available		<b>\$101,760.93</b>						<b>\$88,947.52</b>

# **ITEM 5. E.**

## **WATER CONSERVATION AND DROUGHT CONTINGENCY PLANS**

# Water Conservation & Drought Contingency Plans Received

- Bruni Rural Water Supply Corporation Drought Contingency & Emergency Water Demand Management Plans (1/24/2011)
- Eagle Pass Water Works System - Drought Contingency & Water Conservation Plans (9/15/2017)
- McAllen Public Utilities– Water Conservation and Drought Contingency Plan (6/4/2018)
- Olmito Water Supply Corporation - Water Conservation Plan & Drought Contingency Plan (3/11/2019)
- Hidalgo County Irrigation District #2 - Water Conservation Plans for Irrigation, and Municipal & Industrial (4/18/2019)
- City of Pharr – Public Utilities Water Conservation & Drought Contingency Plans (4/22/2019)
- Hidalgo County Irrigation District #13 - Drought Contingency Plan (4/22/2019)
- Brownsville Public Utility Board – Water Conservation & Drought Contingency Plan (4/24/2019)
- Southmost Regional Water Authority – Water Conservation & Drought Contingency Plan (4/24/2019)
- Cameron County Irrigation District #2 – Water Conservation Plan & Drought Contingency Plan (4/24/2019)
- Agua SUD – Water Conservation Plan & Drought Contingency Plan (4/25/2019)
- Maverick County Water Control and Improvement District #1 – Water Conservation Policy, Drought Contingency and Water Allocation Policy, and Drought Contingency Plan for Wholesale Water Suppliers (4/29/2019)
- Hidalgo County Irrigation District #6 – Water Conservation & Drought Contingency Plan (4/30/2019)
- Hidalgo County Irrigation District #5 – Water Conservation & Drought Contingency Plan (4/30/2019)
- Hidalgo County Water Improvement District #3 Water Conservation & Drought Contingency Plan (5/20/2019)
- La Feria Irrigation District Cameron County #3 Water Conservation & Drought Contingency Plan (5/20/2019)
- East Rio Hondo Water Supply Corporation – Water Conservation and Emergency Water Demand Management Plan (6/25/2019)
- Sharyland WSC – Water Conservation and Drought Contingency Plan (7/16/2019)
- Maverick County Water Control & Improvement Dist #1 – Mining Water Conservation Policy (7/16/2019)
- City of Hidalgo Water Conservation Plan (8/5/2019)
- City of Laredo – Water Conservation & Drought Contingency Plans (8/9/2019)
- North Alamo Water Supply Corporation – Water Conservation Plan and Drought Contingency Plan & Water Rationing Plan (9/18/2019)
- City of Mission Public Works – Updated Water Conservation and Drought Contingency Plan (9/30/2019)
- City of Los Fresnos – Water Conservation Plan (11/7/2019)
- City of Rio Grande City – Drought Contingency and Water Conservation Plans (12/3/2019)
- City of Mercedes Water Conservation and Drought Contingency Plans (6/30/2020)
- Harlingen ID System Inventory & Water Conservation Plan for Ag Water Suppliers (10/15/2020)
- Delta Lake ID Drought & Water Conservation Policy (4/15/2021)
- Zapata County Water Conservation & Drought Contingency Plan (4/22/2021)
- San Ygnacio MUD 2019 Water Conservation Plan (4/22/2021)
- Hidalgo County ID No. 16 2019 Water Conservation & Drought Contingency Plan (5/19/2021)
- United ID 2019 Water Conservation & Drought Contingency Plan (5/19/2021)
- City of San Juan 2016 Water Conservation Plan (7/14/2021)
- City of Roma 2019 Water Conservation & Drought Contingency Plan (7/21/2021)
- City of Raymondville 2020 Water Conservation & Drought Contingency Plan (7/22/2021)
- Union Water Supply Corporation 2017 Water Conservation Plan & Drought Contingency Plan (7/22/2021)
- Harlingen Waterworks System 2019 Drought Contingency & Emergency Water Management Plan (7/28/2021)
- City of Elsa Drought Contingency Plan (6/1/2022)
- Brush Country Groundwater Management Plan (9/23/2022)
- Cameron County Irrigation District #6 Water Conservation & Drought Contingency Plan (9/27/2022)
- Jim Hogg County WCID 2 2016 Drought Contingency Plan (10/3/2022)
- Kenedy County Groundwater Conservation District Amended Management Plan (2/3/2023)

# **ITEM 6. A.**

## **TWDB**

### **1. RWP CONTRACT AMENDMENTS**

**2026 Regional Water Plan Update  
LRGVDC/Black & Veatch Contract  
Amendment No. 1**

This Contract Amendment is made and entered into on the \_\_\_ day of January 2023, by and between the Lower Rio Grande Valley Development Council, herein after called LRGVDC or CONTRACTOR, acting by its duly authorized Executive Director and Black & Veatch Corporation, herein after called B&V or SUBCONTRACTOR, acting for themselves to perform professional services for the project described as Texas Water Development Board (TWDB) Contract # 2148302565.

Due to increased funding and changes to the Scope of Work from TWDB, the LRGVDC and B&V hereby agree to amend the contract as set forth below.

ATTACHMENT A: AMENDMENT NO.1 PRIME CONTRACT

1. SECTION I, ARTICLE I, Paragraph C, COMMITTED FUNDS, is increased by \$288,819.00, bringing the total COMMITTED FUNDS amount to \$438,267.00.
2. SECTION I, ARTICLE I, Paragraph U is replaced with the following:  
U. TOTAL PROJECT COST – Not to exceed \$794,251.00 or 100 percent of the necessary and direct planning costs for the development of the REGIONAL WATER PLAN, whichever is less.
3. SECTION I, ARTICLE II, Paragraph A is replaced with the following:  
A. TWDB will not be liable for any expenses incurred in excess of COMMITTED FUNDS.

At the time of the execution of this CONTRACT, TWDB was not appropriated sufficient funds to provide the TOTAL PROJECT COST to CONTRACTOR. Of the TOTAL PROJECT COST, TWDB hereby makes available to CONTRACTOR, pursuant to the terms of this CONTRACT, an amount not to exceed COMMITTED FUNDS. If additional funds become available to TWDB for the purpose of making grants for preparation of regional water plans, TWDB will allocate additional COMMITTED FUNDS to CONTRACTOR, not to exceed the TOTAL PROJECT COST.

If at any time the EXECUTIVE ADMINISTRATOR determines that there will not be sufficient additional appropriated funds to complete the REGIONAL WATER PLAN, the EXECUTIVE ADMINISTRATOR will either issue an order to terminate this CONTRACT pursuant to the terms of Section II, Article VII or negotiate amendments to the scope of work. CONTRACTOR agrees to use its best efforts to timely negotiate any required amendments.

This CONTRACT does not require CONTRACTOR to incur costs beyond those that can be paid with COMMITTED FUNDS. However, this provision does not relieve the REGIONAL WATER PLANNING GROUP from its duty under Texas Water Code §16.053 to prepare a regional water plan.

4. SECTION I, ARTICLE II, Paragraph C, is replaced with the following:

- C. Task 5B, Evaluation and Recommendation of Water Management Strategies and Projects, is a contingent budget item that requires a written “Notice to Proceed” from the EXECUTIVE ADMINISTRATOR prior to commencement of work by CONTRACTOR. Upon receipt of the “Notice to Proceed” from the EXECUTIVE ADMINISTRATOR, CONTRACTOR may commence work under the related Scope of Work item. Expenses for work performed related to this task prior to receipt of the written “Notice to Proceed” may be ineligible for reimbursement, at the EXECUTIVE ADMINISTRATOR’S discretion. The budget flexibility described under Section II, Article IV, Item E does not apply to this task budget unless reimbursement of the associated task budget is authorized by a written “Notice to Proceed”.
6. SECTION II, ARTICLE II, Paragraph A, is replaced with the following:
- A. CONTRACTOR must develop a TECHNICAL MEMORANDUM, INITIALLY PREPARED REGIONAL WATER PLAN, and REGIONAL WATER PLAN for the REGIONAL WATER PLANNING AREA according to:
1. Exhibit A – First Amended Scope of Work
  2. Exhibit B –First Amended Task and Expense Budgets
  3. Exhibit C – First Amended General Guidelines for Development of the 2026 Regional Water Plans<sup>1</sup>
  4. Exhibit D – Guidelines for 2026 Regional Water Plan Data Deliverables<sup>1</sup>
  5. Exhibit E – Original Application (cover pages as a reference to the full, original grant application)
7. SECTION II, ARTICLE III, Paragraph G, is replaced with the following:
- G. CONTRACTOR must include a copy of the EXECUTIVE ADMINISTRATOR’s comments on the INITIALLY PREPARED REGIONAL WATER PLAN in the adopted REGIONAL WATER PLAN, with a summary of all other comments received on the INITIALLY PREPARED REGIONAL WATER PLAN, including written explanations of how the REGIONAL WATER PLAN was revised in response to comments or why changes recommended in a comment were not warranted.

CONTRACTOR must submit:

- one (1) electronic copy of all files on which the plan is based (e.g. spreadsheets, maps); and
  - two (2) electronic copies of the entire REGIONAL WATER PLAN, one (1) in searchable Portable Document Format (PDF) and one (1) in Microsoft Word (MSWord) Format. In compliance with 1 Texas Administrative Code Chapters 206 and 213 (related to Accessibility and Usability of State Web Sites, Web Content Accessibility Guidelines (WCAG) 2.1 Level AA Standard – WCAG 2.1 Quick Reference, which can be found at: <https://www.w3.org/WAI/WCAG21/quickref/>), the electronic copy of the REGIONAL WATER PLAN must comply with the requirements and standards specified in statute.
8. SECTION II, ARTICLE XI, Item 3, Paragraph N is added as follows:
- N. CONTRACTOR certifies that it is not prohibited from receiving state funds under Texas Penal Code § 1.10(d) (related to federal laws regulating firearms, firearm accessories, and firearm ammunition). CONTRACTOR also agrees that, during the term of this CONTRACT,

CONTRACTOR will immediately notify TWDB, in writing, of any suit against it by the Attorney General of Texas under Texas Penal Code § 1.10(f).

- 9. Exhibit A, Scope of Work, is replaced with First Amended Scope of Work, included as part of Attachment A to this amendment.
- 10. Exhibit B, Task and Expense Budgets, is replaced with First Amended Task and Expense Budgets, included as Attachment B to this amendment.
- 11. Exhibit C, General Guidelines for Development of the 2026 Regional Water Plans, will be revised and placed on TWDB website and denoted as First Amended General Guidelines for Development of the 2026 Regional Water Plans.
- 12. Exhibit D, Guidelines for 2026 Regional Water Plan Data Deliverables, will be placed on TWDB website and denoted as Guidelines for 2026 Regional Water Plan Data Deliverables.

All other terms and conditions of TWDB Contract No. 2148302565 remain the same in full force.

**EXHIBIT B: FIRST AMENDED TASK AND EXPENSE BUDGETS**

The total funds committed to the SUBCONTRACTOR is increased to \$378,267.00, and a revised SUBCONTRACTOR TASK AND EXPENSE BUDGETS are enclosed, Attachment B.

IN WITNESS HEREOF the parties to this amendment have set out their signature below:

Lower Rio Grande Valley Development Council

Black & Veatch Corporation

OWNER

ENGINEER

By: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_



ATTACHMENT A: AMENDMENT NO.1 PRIME CONTRACT

**ITEM 6. A.**

**TWDB**

## Region M TWDB Update 3-1-23

### 1. RWP Contract Amendments

- Amendment to include anticipated total project cost, full scope of work, and updated contract guidance documents
- Amendment executed 10/18/22

### 2. Interregional Planning Council

- Meeting held November 9 in Austin with a virtual component. Next meeting 3/9.
- TWDB working on outstanding TWDB recommendations (liaison materials, TCEQ members, policy recommendations, membership costs, and active RWPG committees)
- Surveys sent to RPWGs on recommendation implementation and IPC prioritization of recommendations; due 1/31/23
- More information available online at:  
<http://www.twdb.texas.gov/waterplanning/rwp/ipc/2027IPC.asp>

### 3. SWIFT

- Abridged applications period open through 2/1/23

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## Region M TWDB Update 3-1-23

### 4. New One-Pagers

- [Water supply and flood mitigation strategies one-pager](#)
- [Drought of Record](#)
- [Consistency Waivers](#)

### 5. New Educational Materials

- [RWPG Member Guide](#)
- [Administrative Guidance for RWPG Sponsors](#)

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## Region M TWDB Update 3-1-23

### 6. Legislative Priorities Report

- Texas Water Code § 6.156 requires that the Board make a biennial report to the governor and members of the legislature that includes a statement of the Board’s activities and recommendations for necessary and desirable legislation.
- RWP related recommendation: Water Planning Notice Statutory Revision
- RWP related Exceptional Item Request: Water Planning Grant Funding (\$5,230,000)
- Full report online:  
<https://www.twdb.texas.gov/publications/reports/administrative/doc/88thLegislativePrioritiesReport.pdf>

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## Significant new requirements for the 2026 RWPs

- Task 3: Exhibit C, Section 2.3 (Water Availability and Existing Supplies)
  - Technical Memorandum and RWPs must include methodology for calculating anticipated sedimentation rate and revising the area-capacity rating curves
  - Reuse availability presented as a separate subsection in Chapter 3
  - Hydrologic variance requests for surface water must use template checklist

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## Significant new requirements for the 2026 RWP (cont.)

- Task 4B: Exhibit C, Section 2.11 (Identification of infeasible WMSs in the 2021 RWP)
  - Required by SB 1511, 86<sup>th</sup> Texas Legislature
  - Analysis must be completed prior to **March 4, 2024** (Technical Memorandum due date)
  - Planning groups to present results of analysis at same public meeting where RWPG also presents methodology for identifying potentially feasible WMSs in 2026 RWP
  - Deliverable to TWDB: List of identified infeasible WMSs included in Technical Memorandum
  - If infeasible WMSs identified, planning groups must amend 2021 plans to:
    - Remove infeasible WMS or WMSP,
    - Revise infeasible WMS or WMSP to make feasible, and/or
    - Incorporate new WMS or WMSP
  - RWPG-adopted amendments due **June 4, 2024**

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## Significant new requirements for the 2026 RWP (cont.)

- Task 4B: Exhibit C, Section 2.11 (cont.)
  - Review WMSs and WMSPs in the previous RWP; coordinate with project sponsors to determine implementation status and determine infeasibility
  - Planning groups should review strategies & projects that **require a permit and/or involve construction** and that:
    - are shown to be online in 2020 or 2030
    - are related to new major reservoirs, seawater desalination, DPR, brackish groundwater, ASR, and out of state transfers
    - generally require significant resources and time to implement
  - Analysis **not** required for strategies/projects that do not require a permit or involve construction

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## Significant new requirements for the 2026 RWPs (cont.)

- Task 4B: Exhibit C, Section 2.11 (cont.)
  - Affirmative steps by the sponsor may include but not limited to:
    - spending money on the strategy or project,
    - voting to spend money on the strategy or project, or
    - applying for a federal or state permit for the strategy or project
  - Supporting data provided to planning groups January 10<sup>th</sup> and clarification guidance provided January 31st

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## Significant new requirements for the 2026 RWPs (cont.)

- Task 4C: Exhibit C, Section 2.12.1 (Technical Memorandum)
  - Include summary of region's interregional coordination efforts to date
  - Include list of identified infeasible WMSs and WMSPs resulting from new Task 4B
- Task 5B: Exhibit C, Section 2.5 (Evaluation/Recommendation of Strategies & Projects)
  - Guidance added to address HB 807, 87<sup>th</sup> Texas Legislature (ASR assessments and GPCD goals)
  - Conservation WMSs required to be split out for water loss mitigation vs water use reduction
  - New subsection documenting implementation status of certain WMS types

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## Significant new requirements for the 2026 RWPs (cont.)

- Task 7: Exhibit C, Section 2.7 (Drought response information)
  - Guidance added to address HB 807, 87<sup>th</sup> Texas Legislature (unnecessary or counterproductive drought response)
  - RWPGs to identify rather than recommend drought response triggers & actions
  - New guidance to optionally address droughts worse than drought of record
  - New subsection required to address how the planning group is addressing uncertainty and droughts worse than drought of record (if applicable), and what additional measures not included in the plan could be available during a drought worse than drought of record

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## Significant new requirements for the 2026 RWPs (cont.)

- Task 9: Exhibit C, Section 2.9 (Implementation)
  - Reduced content of implementation survey
  - Guidance added to address HB 807, 87<sup>th</sup> Texas Legislature (progress in achieving economies of scale)
- Task 10: Exhibit C, Section 2.10, 2.13, 2.14 (Adoption and deliverables)
  - Initially Prepared Plan and final RWP must document summary of region's interregional coordination efforts
  - State Database Reports (DB27) to be included in Initially Prepared Plan and final RWP via hyperlinks to TWDB's Database Reports application, in lieu of hard copies

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## Important Reminders

- Infrastructure finance survey and related chapter removed
- RWPG task to prioritize recommended projects removed
- Due to removal of IFR chapter, 2026 RWPs will have 10 chapters
  - Implementation and comparison of previous plan now Chapter 9
- Documents available on the 2026 RWP Document Page:
  - General copy of first amended SOW
  - First amended Exhibit C
  - Summary of major revisions to Exhibit C
  - <https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/document.s.asp>



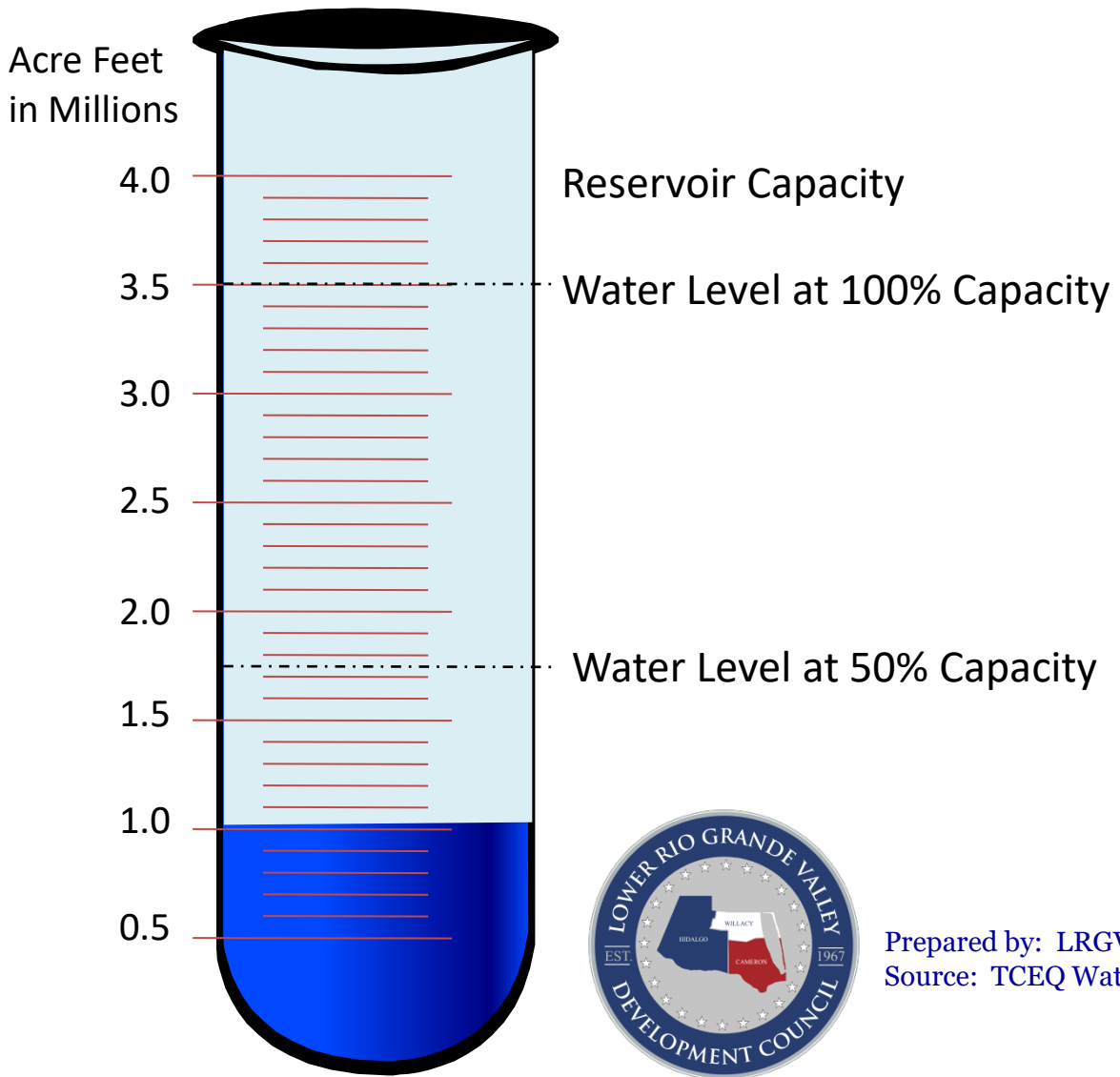
**ITEM 6. C.**

**REPORT FROM  
TCEQ**

# Water Levels at Amistad and Falcon Reservoirs (U.S. Ownership)

**2/18/2023, 30.77% of Capacity or 1,043,546 AF**

Down from 1,248,971 AF of Normal Conservation a year ago



Prepared by: LRGVDC  
Source: TCEQ Watermaster

**NOTE: Mexico Ownership/Reservoir Capacity for  
February 18, 2023: 34.97% (884,964) A.F.**

# Rio Grande Watermaster Report

02/18/23

## Amistad Reservoir

Normal Conservation Elevation	340.462 Meters	1,117.00 Feet	
Current Water Elevation	329.410 Meters	1,080.74 Feet	-36.26
Total Normal Conservation Capacity	4,040,325 TCM	3,275,532 Acre-Feet	
Current Total Combined Storage	1,819.725 MCM	1,475,269 Acre-Feet	45.04%
U.S. Share of Current Storage	1,031.882 MCM	836,557 Acre-Feet	56.71%
Mexico Share of Current Storage	787.843 MCM	638,712 Acre-Feet	43.29%
Total Releases (Average)	54.20 CMS	1,914 CFS	
U.S. Release (Average)	50.40 CMS	1,780 CFS	92.99%
Mexico Release (Average)	3.80 CMS	134 CFS	7.01%
Total Inflows (Average)	31.90 CMS	1,127 CFS	
U.S. Inflows (Average)	22.40 CMS	791 CFS	
Mexico Inflows (Average)	9.50 CMS	335 CFS	
Total Losses (Average)	9.19 CMS	325 CFS	
U.S. Reservoir Loss (Average)	5.23 CMS	185 CFS	
Mexico Reservoir Loss (Average)	3.96 CMS	140 CFS	

## Falcon Reservoir

Normal Conservation Elevation	91.805 Meters	301.20 Feet	
Current Water Elevation	79.300 Meters	260.17 Feet	-41.03
Total Normal Conservation Capacity	3,264,813 TCM	2,646,817 Acre-Feet	
Current Total Combined Storage	559.066 MCM	453,240 Acre-Feet	17.12%
U.S. Share of Current Storage	255.318 MCM	206,989 Acre-Feet	45.67%
Mexico Share of Current Storage	303.748 MCM	246,252 Acre-Feet	54.33%
Total Releases (Average)	40.40 CMS	1,427 CFS	
U.S. Release (Average)	38.40 CMS	1,356 CFS	95.05%
Mexico Release (Average)	2.00 CMS	71 CFS	4.95%
Total Inflows (Average)	50.30 CMS	1,776 CFS	
U.S. Inflows (Average)	46.80 CMS	1,653 CFS	
Mexico Inflows (Average)	3.50 CMS	124 CFS	
Total Losses (Average)	5.94 CMS	210 CFS	
U.S. Reservoir Loss (Average)	2.70 CMS	95 CFS	
Mexico Reservoir Loss (Average)	3.24 CMS	114 CFS	

## Overall Status

### Amistad

Total Normal Conservation Capacity	4,040,325 TCM	3,275,532 Acre-Feet	
U.S. Share of Normal Conservation	2,270,663 TCM	1,840,849 Acre-Feet	
Current U.S. Share of Normal Conservation	1,031,882 TCM	836,557 Acre-Feet	45.44%
Mexico Share Normal Conservation	1,769,662 TCM	1,434,683 Acre-Feet	
Current Mexico Share of Normal Conservation	787,843 TCM	638,712 Acre-Feet	44.52%

### Falcon

Total Normal Conservation Capacity	3,264,813 TCM	2,646,817 Acre-Feet	
U.S. Share of Normal Conservation	1,913,180 TCM	1,551,034 Acre-Feet	
Current U.S. Share of Normal Conservation	255,318 TCM	206,989 Acre-Feet	13.35%
Mexico Share of Normal Conservation	1,351,633 TCM	1,095,782 Acre-Feet	
Current Mexico Share of Normal Conservation	303,748 TCM	246,252 Acre-Feet	22.47%
Total Normal Capacity in Amistad/Falcon System	7,305,138 TCM	5,922,348 Acre-Feet	
Total Normal Conservation Capacity for the U.S.	4,183,843 TCM	3,391,883 Acre-Feet	57.27%
Total Normal Conservation Capacity for Mexico	3,121,295 TCM	2,530,465 Acre-Feet	42.73%
Current Combined Storage for the U.S.	1,287.200 MCM	1,043,546 Acre-Feet	30.77%
Current Combined Storage for Mexico	1,091.591 MCM	884,964 Acre-Feet	34.97%
Current Storage in the Amistad/Falcon System	2,378,791 TCM	1,928,510 Acre-Feet	
Percent of Storage Capacity			32.56%