TCEQ Interoffice Memorandum

TO: Office of the Chief Clerk
Texas Commission on Environmental Quality

THRU: Chris Kozlowski, Team Leader
Water Rights Permitting Team

FROM: Joshua Schauer, Project Manager
Water Rights Permitting Team

DATE: July 11, 2025

SUBJECT: East Rio Hondo Water Supply Corporation
ADJ 838
CN600694988, RN102741139
Application No. 23-838AC to Sever a Portion of Certificate of Adjudication No. 23-831 and Combine it with and Amend Certificate of Adjudication No. 23-838
Texas Water Code §§ 11.122, 11.085, Not Requiring Notice
Rio Grande, Rio Grande River Basin and Nueces-Rio Grande Coastal Basin
Cameron County

Partial fees were received on May 8, 2025. The application and additional fees were received on May 9, 2025. Additional information was received on June 12, June 19, June 26, and July 10, 2025. The application was declared administratively complete and accepted for filing with the Office of the Chief Clerk on July 11, 2025. Notice is not required pursuant to Title 30 Texas Administrative Code § 303.42(2).

All fees have been paid and the application is sufficient for filing.

Joshua Schauer

_____

Joshua Schauer, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

OCC Mailed Notice Required ☐**YES** ☑**NO**

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 11, 2025

Mr. Wayne Halbert, Consultant
1401 Harpers Ferry Road
College Station, TX 77845-8312

VIA E-MAIL

RE: East Rio Hondo Water Supply Corporation
ADJ 23-838
CN600694988, RN102741139
Application No. 23-838AC to Sever a Portion of Certificate of Adjudication No. 23-831 and Combine it with and Amend Certificate of Adjudication No. 23-838
Texas Water Code §§ 11.122, 11.085, Not Requiring Notice
Rio Grande, Rio Grande Basin and Nueces-Rio Grande Coastal Basin
Cameron County

Dear Mr. Halbert:

This acknowledges receipt, on May 8, 2025, of fees in the amount of $125.00 (Receipt No. M557324, copy attached) and of additional information on June 12, June 19, June 26, and July 10, 2025.

The application was declared administratively complete and filed with the Office of the Chief Clerk on July 11, 2025. Staff will continue processing the application for consideration by the Executive Director.

Please be advised that additional information may be requested during the technical review phase of the application process.

If you have any questions concerning the application, please contact me via email at joshua.schauer@tceq.texas.gov or by telephone at 512-239-1371.

Sincerely,

Joshua Schauer, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Attachment

Basis2 Receipt Report by Endorsement Number

JUN-13-25 10:33 AM

Acct. #: WUP **Account Name:** WATER USE PERMITS

Paid For	Endors. #	Ref #2	Paid In By	PayTyp	Chk #	Card#	Bank Slip	Tran.Date	Receipt Amnt.
ADMEND	M557324	ADJ23831	HALBERT, WAYNE/JO E	CK	2515		BS00115327	08-MAY-25	$112.50

From: Leslie Patterson
To: Joshua Schauer
Subject: Fw: ERHWSC
Date: Thursday, July 10, 2025 10:21:47 AM
Attachments: WCAUtilityProfile - WCAUtilityProfile.PDF.pdf

From: Wayne Halbert [redacted]
Sent: Thursday, July 10, 2025 10:12 AM
To: Leslie Patterson <Leslie.Patterson@tceq.texas.gov>
Subject: ERHWSC

Leslie,
Okay here we go again. Not what happened before but I got them to send me the newest and this is what I got. Has a 2024 date. If this is not what you need or if you need more please let me know. Let me know you received this. Thanks and sorry we sent the wrong thing before.
Wayne

[redacted] Growing Your Own Food

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: EAST RIO HONDO WSC

Public Water Supply Identification Number (PWS ID): TX0310096

Certificate of Convenience and Necessity (CCN) Number: 11552

Surface Water Right ID Number: 838-U

Wastewater ID Number: 20861

Contact: First Name: Brian Last Name: Macmanus

Title: General Manager

Address: 206 Industrial Parkway / PO Box 621 City: Rio Hondo State: TX

Zip Code: 78583 Zip+4: Email: [redacted]

Telephone Number: 9562477815 Date: 9/19/2024

Is this person the designated Conservation Coordinator? (•) Yes ( ) No

Regional Water Planning Group: M

Groundwater Conservation District:

Our records indicate that you:

☑ Received financial assistance of $500,000 or more from TWDB

☑ Have 3,300 or more retail connections

☑ Have a surface water right with TCEQ

A. Population and Service Area Data

1. Current service area size in square miles: 404

Attached file(s):

File Name	File Description
WATER CCN 01-22-18.pdf	ERHWSC CCN Map

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. Historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Water Service
2023	24,546	7,659	1,332
2022	23,793	4,236	1,320
2021	23,262	4,242	1,248
2020	22,899	4,230	1,272
2019	22,329	5,011	1,122

3. Projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Water Service
2030	30,918	7,570	4,032
2040	39,387	7,670	8,532
2050	50,172	7,790	13,032
2060	63,912	7,810	17,532
2070	81,414	7,830	22,032

4. Described source(s)/method(s) for estimating current and projected populations.

2.45% growth per year for water accounts and 4.5% growth for wastewater accounts due to developments.

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. System Input

System input data for the previous five years.
Total System Input = Self-supplied + Imported– Exported

Year	Water Produced in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2023	1,197,820,343	98,412,798	294,446,200	1,001,786,941	112
2022	905,111,558	225,682,862	122,746,629	1,008,047,791	116
2021	753,301,357	242,102,601	106,227,208	889,176,750	105
2020	749,008,000	258,859,625	127,046,751	880,820,874	105
2019	663,067,000	281,927,512	125,723,946	819,270,566	101
Historic Average	853,661,652	221,397,080	155,238,147	919,820,584	108

C. Water Supply System

1. Designed daily capacity of system in gallons: 12,100,000
2. Storage Capacity
   - 2a. Elevated storage in gallons: 1,250,000
   - 2b. Ground storage in gallons: 4,500,000

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Projected Demands

1. The estimated water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Population	Water Demand (gallons)
2025	35,226	1,388,608,920
2026	36,342	1,432,601,640
2027	37,475	1,477,264,500
2028	38,625	1,522,597,500
2029	34,583	1,363,261,860
2030	35,768	1,409,974,560
2031	36,970	1,457,357,400
2032	38,191	1,505,489,220
2033	39,430	1,554,330,600
2034	40,689	1,603,960,380

2. Description of source data and how projected water demands were determined.

Meter growth, per connection demand, and engineering growth/land use study. A reduction in demand in 2029 is noted due to the end of a wholesale contract.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

E. High Volume Customers

1. The annual water use for the five highest volume **RETAIL customers.**

Customer	Water Use Category	Annual Water Use	Treated or Raw
SCI Texas Funeral Services	Residential	9,090,400	Treated
Casa Paredes, LP	Institutional	8,008,100	Treated
Buena Vista Ranch	Residential	5,116,900	Treated
Los Fresnos CISD	Institutional	4,839,800	Treated
South Texas ISD	Institutional	4,747,000	Treated

2. The annual water use for the five highest volume **WHOLESALE customers.**

Customer	Water Use Category	Annual Water Use	Treated or Raw
North Alamo Water Supply Corporation	Municipal	177,940,400	Treated
East Rio Hondo WSC-Arroyo City	Municipal	77,498,500	Treated
Immigration & Customs Enforcement	Institutional	26,550,000	Treated
Town of Indian Lake	Municipal	12,136,600	Treated
Military Highway Water Supply Corporation	Municipal	6,020,700	Treated

F. Utility Data Comment Section

Additional comments about utility data.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Section II: System Data

A. Retail Water Supplier Connections

1. List of active retail connections by major water use category.

Water Use Category Type	Total Retail Connections (Active + Inactive)	Percent of Total Connections
Residential - Single Family	8,110	99.12 %
Residential - Multi-Family	1	0.01 %
Industrial	0	0.00 %
Commercial	41	0.50 %
Institutional	30	0.37 %
Agricultural	0	0.00 %
Total	8,182	100.00 %

2. Net number of new retail connections by water use category for the previous five years.

	Net Number of New Retail Connections						
Year	**Residential - Single Family**	**Residential - Multi-Family**	**Industrial**	**Commercial**	**Institutional**	**Agricultural**	**Total**
2023	179	0	0	0	0	0	179
2022	177	0	0	0	0	0	177
2021	191	0	0	2	0	0	193
2020	251	0	0	0	1	0	252
2019	121	0	0	2	0	0	123

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. Accounting Data

The previous five years' gallons of RETAIL water provided in each major water use category.

Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2023	740,721,800	188,000	0	188,510,300	36,107,300	0	965,527,400
2022	698,333,100	223,700	0	18,125,100	34,336,400	0	751,018,300
2021	805,531,100	237,900	0	18,557,300	35,048,200	0	859,374,500
2020	723,127,900	188,400	0	12,939,400	30,503,500	0	766,759,200
2019	674,996,100	188,400	0	16,756,300	31,093,600	0	723,034,400

C. Residential Water Use

The previous five years residential GPCD for single family and multi-family units.

Year	Total Residential GPCD
2023	83
2022	80
2021	95
2020	87
2019	84
Historic Average	86

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Annual and Seasonal Water Use

1. The previous five years' gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Water				
	2023	2022	2021	2020	2019
January	60,842,000	57,038,500	59,846,100	59,367,700	54,742,500
February	59,575,100	50,131,800	62,576,000	57,322,900	54,688,700
March	67,240,100	54,396,000	66,210,800	60,981,400	51,036,300
April	60,278,100	73,128,800	65,352,200	76,851,300	57,901,400
May	55,651,700	76,528,600	153,661,200	84,078,100	68,602,100
June	92,814,100	79,744,600	72,106,400	74,273,100	74,859,500
July	109,635,200	87,270,000	63,240,300	75,978,900	70,211,800
August	127,652,200	77,588,284	66,496,500	69,307,900	85,746,200
September	112,217,200	67,392,616	73,566,700	70,738,200	81,232,900
October	96,185,800	59,057,600	64,410,800	63,658,800	61,188,000
November	95,470,500	61,466,600	56,008,500	64,057,600	59,239,100
December	79,661,100	54,634,000	55,934,700	64,206,200	54,564,600
Total	1,017,223,100	798,377,400	859,410,200	820,822,100	774,013,100

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. The previous five years' gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Water				
	2023	2022	2021	2020	2019
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Total	0	0	0	0	0

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2023	330,101,500	1,017,223,100
2022	244,602,884	798,377,400
2021	201,843,200	859,410,200
2020	219,559,900	820,822,100
2019	230,817,500	774,013,100
Average in Gallons	245,384,996.80	853,969,180.00

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

E. Water Loss

Water Loss data for the previous five years.

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
2023	30,881,122	3	3.63 %
2022	195,807,462	23	19.42 %
2021	7,119,834	1	0.90 %
2020	100,209,371	12	11.56 %
2019	60,989,957	8	7.57 %
Average	79,001,549	9	8.62 %

F. Peak Day Use

Average Daily Water Use and Peak Day Water Use for theprevious five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2023	2,786,912	3588059	1.2875
2022	2,187,335	2658727	1.2155
2021	2,354,548	2193947	0.9318
2020	2,248,827	2386520	1.0612
2019	2,120,583	2508885	1.1831

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	728,542,000	99.12 %	89.60 %
Residential - Multi-Family	205,280	0.01 %	0.03 %
Industrial	0	0.00 %	0.00 %
Commercial	50,977,680	0.50 %	6.27 %
Institutional	33,417,800	0.37 %	4.11 %
Agricultural	0	0.00 %	0.00 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

H. System Data Comment Section

Section III: Wastewater System Data

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s) in gallons per day: 280,000

2. List of active wastewater connections by major water use category.

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	2	0	2	50.00 %
Industrial	0	0	0	0.00 %
Commercial	2	0	2	50.00 %
Institutional	0	0	0	0.00 %
Agricultural	0	0	0	0.00 %
Total	4	0	4	100.00 %

3. Percentage of water serviced by the wastewater system: 5.10 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

4. Number of gallons of wastewater that was treated by the utility for the previous five years.

Month	Total Gallons of Treated Water				
	2023	2022	2021	2020	2019
January	1,579,501	1,737,690	468,866	1,657,382	1,954,498
February	1,455,091	1,663,838	445,079	1,298,399	1,772,932
March	1,802,260	1,453,766	565,401	1,195,764	1,870,771
April	1,824,879	1,585,801	662,969	1,171,303	1,898,467
May	2,179,812	2,050,094	957,904	1,181,915	1,618,547
June	1,624,475	1,661,770	714,336	684,058	1,399,467
July	1,626,173	1,700,540	1,754,087	1,190,168	919,247
August	1,907,197	2,550,985	1,333,483	860,113	927,710
September	1,707,657	1,889,242	2,579,630	972,142	1,026,578
October	1,825,736	1,701,382	3,234,641	701,204	931,290
November	1,772,789	1,798,962	1,801,822	561,347	1,470,374
December	1,385,796	1,643,798	1,682,838	478,141	1,528,364
Total	20,691,366	21,437,868	16,201,056	11,951,936	17,318,245

5. Could treated wastewater be substituted for potable water?

○ Yes ◉ No

B. Reuse Data

1. Data by type of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site Irrigation	
Plant wash down	
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (park,golf courses)	0
Agricultural	
Discharge to surface water	0
Evaporation Pond	0
Other	
Total	0

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

C. Wastewater System Data Comment

Additional comments and files to support or explain wastewater system data listed below.

Phone memo:

TCEQ: Leslie Patterson

Applicant contact: Wayne Halbert [redacted]

7/10/2025 @ 9:45 AM

-Called Wayne Halbert and requested that the applicant submit an updated current utility profile for East Rio Hondo WSC 828AC amendment. Explained that the utility profile submitted on 6/26/2025 was from 2019.

Texas Commission on Environmental Quality
TELEPHONE MEMO TO THE FIILE

Call to: Wayne Halbert	Call from: Joshua Schauer
Date: 06/26/2025	Application: East Rio Hondo WSC 23-838AC

Information for File follows:

A phone call was made to Mr. Halbert to explain that we need a more recent Utility Profile.

Signed Joshua Schauer

From: Wayne Halbert
To: Joshua Schauer
Subject: Re: East Rio Hondo WSC; 23-838AC
Date: Thursday, June 26, 2025 10:58:32 AM
Attachments: FINAL WCAUtilityProfile.pdf

Joshua,
Here is one I sent to TCEQ in April/May last year. Is this the correct one? If not I will get with them again. Thank you.
Wayne

[redacted] Growing Your Own Food

On Thu, Jun 26, 2025 at 10:46 AM Joshua Schauer <Joshua.Schauer@tceq.texas.gov> wrote:

> Mr. Halbert,
>
> Please see the attached letter.
>
> Thanks,
>
> Josh
>
> *Joshua Schauer, Project Manager*
>
> *Texas Commission on Environmental Quality*
>
> *Water Rights Permitting Team*
>
> *512.239.1371*

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: East Rio Hondo WSC

Public Water Supply Identification Number (PWS ID): TX0310096

Certificate of Convenience and Necessity (CCN) Number: 11552

Surface Water Right ID Number: 838-U

Wastewater ID Number: 20861

Contact: First Name: Brian Last Name: Macmanus

Title: General Manager

Address: 206 Industrial Parkway / PO Box 621 City: Rio Hondo State: TX

Zip Code: 78583 Zip+4: [redacted]

Telephone Number: 9562477815 Date: 5/28/2019

Is this person the designated Conservation Coordinator? (•) Yes ( ) No

Regional Water Planning Group: M

Groundwater Conservation District:

Our records indicate that you:

☑ Received financial assistance of $500,000 or more from TWDB

☑ Have 3,300 or more retail connections

☑ Have a surface water right with TCEQ

A. Population and Service Area Data

1. Current service area size in square miles: 404

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. Historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Water Service
2018	21,984	3,732	1,095
2017	23,475	2,365	1,095
2016	23,085	2,468	1,089
2015	22,878	2,428	1,068
2014	22,347	1,679	1,065

3. Projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Water Service
2020	23,142	3,552	1,144
2030	28,724	3,572	1,422
2040	35,664	3,602	1,767
2050	44,290	3,682	2,197
2060	55,013	3,842	2,731

4. Described source(s)/method(s) for estimating current and projected populations.

60 meters to transfer from Military Highway WSC (Wholesale) to ERHWSC in 2020. 2.2% Annual Growth

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. System Input

System input data for the previous five years.
Total System Input = Self-supplied + Imported – Exported

Year	Water Produced in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2018	785,244,000	213,787,031	131,433,944	867,597,087	108
2017	804,474,900	200,650,275	131,971,327	873,153,848	102
2016	849,358,794	147,860,887	60,722,437	936,497,244	111
2015	820,413,065	56,965,820	61,444,480	815,934,405	98
2014	819,506,066	108,401,400	64,025,500	863,881,966	106
Historic Average	815,799,365	145,533,083	89,919,538	871,412,910	105

C. Water Supply System

1. Designed daily capacity of system in gallons: 12,210,000
2. Storage Capacity
   - 2a. Elevated storage in gallons: 750,000
   - 2b. Ground storage in gallons: 2,500,000

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Projected Demands

1. The estimated water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Population	Water Demand (gallons)
2020	26,694	1,071,764,100
2021	27,201	1,092,126,735
2022	27,719	1,112,935,581
2023	28,249	1,134,200,455
2024	28,790	1,155,931,389
2025	29,343	1,178,138,638
2026	29,909	1,200,832,679
2027	30,486	1,224,024,223
2028	31,077	1,247,724,214
2029	31,680	1,271,943,838

2. Description of source data and how projected water demands were determined.

2.2% growth retail @ 110 gpcd

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

E. High Volume Customers

1. The annual water use for the five highest volume **RETAIL customers.**

Customer	Water Use Category	Annual Water Use	Treated or Raw
Rio Hondo ISD	Institutional	6,754,200	Treated
Casa Paredes, LP	Institutional	5,877,200	Treated
Buena Vista Ranch	Residential	5,333,700	Treated
Los Fresnos CISD	Institutional	4,873,000	Treated
South Texas ISD	Institutional	3,715,700	Treated

2. The annual water use for the five highest volume **WHOLESALE customers.**

Customer	Water Use Category	Annual Water Use	Treated or Raw
ERHWSC-Arroyo City	Municipal	68,766,010	Treated
Immigration & Customs Enforecement	Institutional	40,135,800	Treated
Town of Indian Lake	Municipal	13,459,000	Treated
Military Highway Water Supply Corporation	Municipal	8,940,800	Treated

F. Utility Data Comment Section

Additional comments about utility data.

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Section II: System Data

A. Retail Water Supplier Connections

1. List of active retail connections by major water use category.

Water Use Category Type	Total Retail Connections (Active + Inactive)	Percent of Total Connections
Residential - Single Family	7,260	99.07 %
Residential - Multi-Family	1	0.01 %
Industrial	0	0.00 %
Commercial	38	0.52 %
Institutional	29	0.40 %
Agricultural	0	0.00 %
Total	7,328	100.00 %

2. Net number of new retail connections by water use category for the previous five years.

	Net Number of New Retail Connections						
Year	**Residential - Single Family**	**Residential - Multi-Family**	**Industrial**	**Commercial**	**Institutional**	**Agricultural**	**Total**
2018	115	0	0	0	0	0	115
2017	127	3	0	8	12	0	150
2016	69	0	0	1	0	0	70
2015	177	1	0	1	0	0	179
2014	97	1	0	0	12	0	110

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

B. Accounting Data

The previous five years' gallons of RETAIL water provided in each major water use category.

Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2018	687,001,100	195,100	0	17,463,012	29,905,800	0	734,565,012
2017	727,443,771	481,200	0	19,696,800	31,519,300	0	779,141,071
2016	737,506,900	0	0	20,289,100	1,821,900	0	759,617,900
2015	660,079,400	0	0	19,109,200	1,682,000	0	680,870,600
2014	695,610,300	322,600	0	4,875,000	22,223,400	0	723,031,300

C. Residential Water Use

The previous five years residential GPCD for single family and multi-family units.

Year	Total Residential GPCD
2018	86
2017	93
2016	88
2015	79
2014	86
Historic Average	86

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

D. Annual and Seasonal Water Use

1. The previous five years' gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Water				
	2018	2017	2016	2015	2014
January	56,782,512	57,232,200	50,545,100	48,668,600	53,491,200
February	55,640,000	56,543,700	53,273,800	46,456,400	49,508,000
March	56,167,600	56,367,500	60,331,200	43,638,200	46,657,700
April	67,608,200	66,689,000	63,975,300	48,252,200	55,923,200
May	73,979,100	74,306,700	62,470,600	51,779,300	68,799,300
June	87,270,900	82,415,500	61,036,900	57,821,600	69,618,100
July	69,881,200	80,323,500	72,754,500	74,781,400	74,438,800
August	84,634,000	79,233,000	83,219,700	86,911,500	80,869,100
September	74,535,900	69,325,500	78,662,900	66,579,600	68,039,500
October	54,847,000	64,742,200	62,706,500	55,894,700	52,573,900
November	57,905,000	59,540,144	59,915,800	50,870,000	49,032,800
December	46,655,700	54,451,227	50,725,600	49,217,100	46,686,900
Total	785,907,112	801,170,171	759,617,900	680,870,600	715,638,500

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

2. The previous five years' gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Water				
	2018	2017	2016	2015	2014
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Total	0	0	0	0	0

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2018	241,786,100	785,907,112
2017	241,972,000	801,170,171
2016	217,011,100	759,617,900
2015	219,514,500	680,870,600
2014	224,926,000	715,638,500
Average in Gallons	229,041,940.00	748,640,856.60

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

E. Water Loss

Water Loss data for the previous five years.

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
2018	88,055,494	11	10.15 %
2017	44,498,928	5	5.10 %
2016	150,490,601	18	16.07 %
2015	100,255,865	12	12.29 %
2014	102,928,442	13	11.91 %
Average	97,245,866	12	11.10 %

F. Peak Day Use

Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2018	2,153,170	2628109	1.2206
2017	2,194,986	2630130	1.1982
2016	2,081,144	2358816	1.1334
2015	1,865,398	2386027	1.2791
2014	1,960,653	2444847	1.2470

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential - Single Family	701,528,294	99.07 %	95.39 %
Residential - Multi-Family	199,780	0.01 %	0.03 %
Industrial	0	0.00 %	0.00 %
Commercial	16,286,622	0.52 %	2.21 %
Institutional	17,430,480	0.40 %	2.37 %
Agricultural	0	0.00 %	0.00 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

H. System Data Comment Section

This information includes East Rio Hondo WSC-Arroyo City

Section III: Wastewater System Data

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s) in gallons per day: 190,000

2. List of active wastewater connections by major water use category.

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	367	0	367	98.13 %
Industrial	0	0	0	0.00 %
Commercial	5	0	5	1.34 %
Institutional	2	0	2	0.53 %
Agricultural	0	0	0	0.00 %
Total	374	0	374	100.00 %

3. Percentage of water serviced by the wastewater system: 0.00 %

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

4. Number of gallons of wastewater that was treated by the utility for the previous five years.

Month	Total Gallons of Treated Water				
	2018	2017	2016	2015	2014
January	1,949,952	2,051,000	800,186	730,000	878,000
February	1,885,487	1,808,000	699,261	602,000	1,302,000
March	2,103,947	1,994,000	770,857	757,000	983,000
April	1,882,446	1,906,000	642,728	740,000	1,965,000
May	1,165,655	1,508,000	799,542	749,000	2,166,000
June	1,006,065	1,858,838	1,752,448	745,000	1,998,000
July	845,510	1,869,469	1,209,781	715,000	1,585,000
August	869,366	1,780,754	613,000	710,000	710,000
September	1,134,132	1,765,710	589,000	740,871	750,000
October	1,173,249	2,006,704	627,000	883,945	785,000
November	872,513	1,949,157	745,000	765,226	698,000
December	1,787,711	1,930,000	1,847,000	813,932	722,000
Total	16,676,033	22,427,632	11,095,803	8,951,974	14,542,000

5. Could treated wastewater be substituted for potable water?

( ) Yes (•) No

B. Reuse Data

1. Data by type of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site Irrigation	
Plant wash down	
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (park,golf courses)	0
Agricultural	
Discharge to surface water	0
Evaporation Pond	0
Other	
Total	0

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

C. Wastewater System Data Comment

Additional comments and files to support or explain wastewater system data listed below.

From: Wayne Halbert
To: Joshua Schauer
Subject: Re: East Rio Hondo WSC; 23-838AC RFI
Date: Thursday, June 19, 2025 10:26:59 AM
Attachments: Final Water Conservation Plan Annual Report.PDF
Water Conservation Plan Emergency Drought Management Plan 02-12-2024 FINAL (1).pdf

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Joshua,
Here are the documents you requested as sent by ERHWSC. Holler if there is more needed.
Thank you for your help.
Wayne

On Thu, Jun 12, 2025 at 3:27 PM Joshua Schauer <Joshua.Schauer@tceq.texas.gov> wrote:

> Mr. Halbert,
>
> Please find the attached letter. A response is due by July 14, 2025.
>
> Thanks,
>
> *Joshua Schauer, Project Manager*
>
> *Texas Commission on Environmental Quality*
>
> *Water Rights Permitting Team*
>
> *512.239.1371*

EAST RIO HONDO WATER SUPPLY CORPORATION

WATER CONSERVATION AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

I. INTRODUCTION

A. GENERAL

East Rio Hondo Water Supply Corporation (ERHWSC) owns and operates the water supply, treatment, and distribution systems in its area covered by its designated Texas Commission on Environmental Quality Certificate of Convenience and Necessity #11552. One surface water treatment plant is located on the West side of Nelson Road approximately ½ mile south of FM 1561. A 2nd surface water treatment plant is located on the south side of FM 510 1.5 miles east of Nelson Road. Raw water is obtained from the Cameron County Irrigation District No. 2 (CCID2) for both plants. CCID2 transfers surface water from the Rio Grande River via pump stations, canals, and resacas. Currently, the Corporation has 5618.2712 acre-ft domestic/municipal/industrial Rio Grande River water rights available for its use through both contract and ownership. ERHWSC owns and operates a brackish groundwater reverse osmosis desalination facility located 3.5 miles west of Business 77 on the north side of SH 107. This facility currently produces up to 2.3 MGD.

The Corporation has experienced an average annual growth in meter counts of 2.96 percent over the last twenty-four years. Various cities and counties in the Rio Grande Valley have been affected by unreliable Amistad/Falcon Reservoir levels, due to a drought and ongoing water treaty noncompliance with the nation of Mexico. Since this trend is expected to continue or worsen into the foreseeable future, the Corporation must take action to conserve its raw water resources.

This plan outlines the Corporation's proposed Water Conservation and Emergency Water Demand Management Plan. The objective of the Water Conservation Plan is to reduce the quantity of potable water necessary for every waste consumption activity through the implementation of efficient water use practices, and to establish five and ten year targets for water savings to include goals for water loss programs and goals for municipal use in gallons per capita day. The Emergency Water Demand Plan provides procedures for enforcing voluntary and mandatory actions to be placed in effect, on a temporary basis, which are aimed at reducing the demand placed upon the Corporation's water supply system during a water shortage emergency and includes prohibition of certain undesirable or non-critical uses.

B. PLANNING AREA DESCRIPTION

The ERHWSC was created in the late 1970's to provide potable water supply for the rural residential areas of southern Willacy and northern Cameron County north of Rancho Viejo and FM 100, north of Primera and SH 107, east of Bass Boulevard in Cameron and Willacy County excluding the governmental entities of Combes, Primera, Harlingen, Los Fresnos, San Benito, Rio Hondo, Valley Municipal Utility District Number Two, and Laguna Madre Water District. The system covers approximately 407 square miles and has approximately 8,879 direct water service meters and 2,553 additional meter equivalents serviced by three wholesale accounts.

C. GOALS OF THE PROGRAM

The primary goal of the Water Conservation Plan is to achieve a reduction in per capita usage in water consumption. The reduction in demand will sustain current raw water supplies, reduce the quantity of water supplies required for the future, and lower the peak demand requirements of the distribution system. This reduction will allow for:

Reducing capital and operating costs of water system.
Prolonging the life of existing facilities.
Reducing the potential for water rationing associated with drought.
Reducing the need to acquire additional municipal water rights.

The secondary goal of the Water Conservation Plan is to establish alternative water supplies to the traditional surface water source of the Rio Grande River, thus ensuring a more long-term, diversified, and sustainable water portfolio.

1. FIVE-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 14%
b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 100 gpcd.
c. Residential Use: 100 gpcd

2. TEN-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 13.5%
b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 97.5 gpcd.
c. Residential Use: 97.5 gpcd.

D. UTILITY EVALUATION DATA

A detailed summary of utility evaluation data is included in Attachment "A" to this Report. At this time ERWSC has no Industrial use customers. If in the future ERHWSC does begin to serve industrial use customers, ERHWSC will, within ninety days, submit amendments to this Water Conservation Plan and the ERHWSC Drought Contingency Plan to cover industrial use.

II. WATER CONSERVATION PLAN

A. PLAN ELEMENTS

Of the variety of water conservation methods available to the Corporation, elements considered to be most critical in development of this plan include: outdoor water conservation practices, water conserving landscaping practices, indoor water conservation practices, elimination of water theft, more rapid leak detection and repair, and plumbing fixture retrofit.

The main categories of water conservation methods are:

Education and information.
Water conservation-oriented rate structure.
Universal metering.
Water conservation landscaping.
Rapid leak detection and repair.
Replacement of failing water lines.
Efficient treatment plant water utilization.
Implementation and enforcement.
Elimination of water theft.
Reservoir systems operations plan.

B. EDUCATION AND INFORMATION

1. GENERAL

The Corporation will promote water conservation through a public information program. The program will be based on literature available through the Texas Water Development Board, Texas Commission on Environmental Quality, American Waterworks Association, and private publishing companies. The public information program will be broken into two segments, Annual and New customer program. The information will also be made continually available on the Corporation website.

2. ANNUAL

The Annual program shall include providing water conservation brochures at the teller payment windows and drive-through payment window. These brochures are obtained from the sources noted above and will provide examples of water conservation methods. The educational material and articles will inform customers of methods to reduce water consumption both indoors and outdoors. Customers will be notified of the availability of the brochures in at least one annual mailing.

The conservation methods presented will include:

Outdoor savings hints.
Water savings hints.

Kitchen savings hints.
Bathroom savings hints.

In addition, ERHWSC will participate in distributing water conservation digital or printed literature to schools within the ERHWSC service area annually. This is an annual public education effort which will correspond with annual peak usage periods of spring and summer.

3. NEW CUSTOMERS

New customers to the Corporation's distribution system will receive initial conservation educational material that promotes the conservation of water as detailed in item 1 above.

4. RETROFIT PROGRAM

Water customers of structures which do not have water conserving plumbing devices will be encouraged, through the education program, to voluntarily install water savings fixtures and devices.

C. WATER CONSERVATION-ORIENTED RATE STRUCTURE

The Corporation's water rates encourage water conservation by using an inclining block rate structure. This reduces the total monthly consumption by discouraging high end or peak season usage. The water rate structure is included in the Utility Survey which is Attachment A. Since the unit cost for water increases with consumption, customers will effectively practice water savings measures to lower their water bill.

D. UNIVERSAL METERING

The Corporation currently has universal metering with all meters tested for accuracy of ±2.0%. In addition, a meter replacement program is underway to replace 960 meters per year until all meters have been upgraded to Kamstrup AMI meters. At 2.5% annual growth rate, it is anticipated that all meters will be AMI by 2027. The AMI meters have a 20-year life cycle. The new meters will provide for 24-hour water audits, as well as additional quarter-hour increments of flow to determine actual customer watering schedules, etc.

In addition, the Corporation will estimate and log all flush water used as this quantity is a significant amount with flushing required on a minimum monthly occurrence for dead end lines.

E. WATER CONSERVING LANDSCAPING

The public education program will include brochures and digital information obtained from sources noted above which provide suggestions on water saving landscaping, irrigation procedures, and soil modifications. These suggestions provide a wide range of water savings and maintenance procedures which have a major effect on the water use

outside the home.

F. LEAK DETECTION AND REPAIR

The Corporation pursues an active program of locating and repairing leaks. Currently, the program consists of leak location through visual detection. ERHWSC has replaced 99% of the steel carrier pipes in the distribution system with PVC pipes in steel casing. A program to replace original 1981 double disk gate valves with resilient seat gate valves was begun in 2010 and continues. ERHWSC has installed Kamstrup Acoustic Leak Detection (ALD) meters since Year 2022 to assist in quickly identifying leak locations with ALD software provided by Kamstrup. This program will be continued to a system-wide Automatic Meter Infrastructure (AMI) build-out and will eventually be utilized for district or zoned metering to more quickly narrow leakage locations.

G. REPLACEMENT OF FAILING WATER LINES

The corporation will GPS each leak on the distribution system and utilize layered mapping to identify problem areas where pipelines are failing and should be upgraded or replaced. Repetitively failing pipelines will be replaced as part of the ERHWSC capital plan.

H. EFFICIENT TREATMENT PLANT WATER UTILIZATION

The Corporation reuses water in its wastewater treatment plants chlorination process and basins' washdowns. Additional reuse will be considered if the proper situation arises. Recycling is practiced currently at the water treatment plants as decanted backwash and clarifier sludge waters are returned to the process or reservoir. Raw well water at North Cameron Regional Water Treatment Plant is used to dilute desalination brine before discharge to the receiving water body. This process can be controlled to minimize the volume of raw water utilized with variable frequency drives on pump motors and automated SCADA protocols, thus extending the life cycle of the acquifer.

I. PLAN ADOPTION AND IMPLEMENTATION (ENFORCEMENT)

The General Manager of the ERHWSC or his duly appointed representative will act as Administrator of the Water Conservation Plan. The Administrator will oversee the execution and implementation of the elements associated with the plan. The Administrator will also be responsible to oversee the maintenance of the records for program verification. The Administrator will review this plan as required not later than November 1, 2025, and every five years after that date to coincide with the regional water planning group.

<u>As a means of implementation of the Water Conservation Program, the Corporation will approve a resolution enacting the Water Conservation Plan</u>.

J. ELIMINATION OF WATER THEFT

The ERHWSC meter reading staff and distribution staff are continuously trained to look for theft of service. ERHWSC maintains a harsh penalty of $250 for meter tampering and charges theft of service at the full cost of water plus all staff expenses associated with identifying and stopping the theft. ERHWSC will prosecute violators of water theft if full reimbursement of all associated expenses and water costs are not paid.

K. ANNUAL REPORTING REQUIREMENTS

ERHWSC currently has a loan from the Texas Water Development Board. In addition to the duties described above, the Administrator will be responsible for submission of an annual report to the Executive Director of the Texas Water Development Board within 60 days of the anniversary date of the loan closing, throughout the life of the loan (25 years). The report will include the following elements:

Progress made in the implementation of the program.
Response to the Program by the public.
Quantitative effectiveness of the program.

L. WHOLESALE CONTRACTS WITH OTHERS

The Corporation currently has three contracts for water sales to other public water suppliers. The Corporation included and will, as part of any future contract for sale of water to an entity, require adoption by the entity of applicable provisions of ERHWSC's Water Conservation and Drought Contingency Plan in effect. These requirements include those political subdivisions that also contract wholesale water service.

M. COORDINATION WITH REGIONAL WATER PLANNING GROUP.

The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

N. RESERVOIR SYSTEMS OPERATIONS PLAN

The ERHWSC pumps water out of its FM 510 Water Treatment Plant reservoir on a daily basis to meet plant flow demands. Pumping into the reservoir from the Cameron County Irrigation District Two canal is conducted two days per week to minimize CCID2 system losses. ERHWSC does not operate any other reservoirs at this time.

III. RETAIL DROUGHT CONTINGENCY AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

The following is taken directly from the Corporation Tariff, Section H.

SECTION H.
RETAIL DROUGHT CONTINGENCY
AND
EMERGENCY WATER DEMAND MANAGEMENT PLAN

1. ***Declaration of Policy, Purpose, and Intent.*** In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the East Rio Hondo Water Supply Corporation (ERHWSC) hereby adopts the following regulations and restrictions on the delivery and consumption of water. Water uses regulated or prohibited under this Drought Contingency Plan (the Plan) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water.

2. ***Public Involvement***. Opportunity for the public to provide input into the preparation of the initial Plan was provided by the ERHWSC by means of providing public notice of a public meeting held on October 17, 2005, to accept input on the Plan. Additional public input opportunity was provided for during amendments presented at public meetings on July 10, 2006, May 14, 2007, August 11, 2008, March 11, 2013, November 9, 2020, February 8, 2021, July 18, 2022, September 12, 2022, and February 12, 2024.

3. ***Public Education.*** Upon initial ERHWSC Board approval of the plan, ERHWSC provided all customers written notification that the plan is completed. The notification addressed the water supply and financial impacts the plan would have upon the customers, and informed the customers of its availability upon request. The ERHWSC will periodically provide the public with information about the Plan, including any modifications and information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of a mailing to each customer, statements on billing postcards, public announcements via radio and television, the ERHWSC website, and/or posting of conservation stages in public areas such as local U.S. Post Offices and the ERHWSC main office.

4. ***Coordination with Regional Water Planning Group.*** The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

5. ***Authorization***. The ERHWSC General Manager, or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that

such implementation is necessary to protect public health, safety, and welfare. The ERHWSC General Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

6. ***Application.*** The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the ERHWSC. The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

7. ***Definitions.*** For the purposes of this Plan**,** the following definitions shall apply:

Aesthetic water use -- water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

Commercial and institutional water use -- water use, which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, schools, hotels and motels, restaurants, and office buildings.

Conservation -- those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer -- any person, company, member, or organization using water supplied by ERHWSC.

Domestic water use -- water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Industrial water use -- the use of water in processes designed to convert materials of lower value into forms having greater usability and value. At this time ERWSC has no Industrial use customers. If in the future ERHWSC does begin to serve industrial use customers, ERHWSC will, within ninety days, submit amendments to this Water Conservation Plan and the ERHWSC Drought Contingency Plan to cover industrial use.

Landscape irrigation use -- water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use -- water uses that are neither essential nor required for the protection of public, health, safety, and welfare, including:

a. use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;

b. use of water to wash down buildings or structures for purposes other than immediate fire protection;

c. flushing street gutters or permitting water to run or accumulate in any gutter or street;

d. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

8. ***Triggering Criteria for Initiation and Termination of Drought Response Stages.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Public notification of the initiation or termination of drought response stages shall be by means of direct mail to each customer, signs posted in public places, radio and television public announcements, email, and/or the ERHWSC website. Emergency water shortage conditions will be publicized via television and/or radio, the ERHWSC website, and the methods noted above as needed. The triggering criteria described below are based on an analysis of the vulnerability of the water source under previous drought conditions.

a. Stage 1 - Moderate Water Shortage Conditions

(1) Requirements for initiation - Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, defined in Section VII – Definitions, when (a) the Falcon and Amistad Reservoirs reach 30% of capacity as determined by the Texas Commission on Environmental Quality (TCEQ).

(b) Cameron County Irrigation District Number 2 (CCID2) or other irrigation district suppliers provide notice to ERHWSC that they will disallow farm irrigation water use within 60-90 days.

(2) Requirements for termination - Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days.

b. Stage 2 - Severe Water Shortage Conditions

(1) Requirements for initiation - Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 2 of this Plan when, (a) Cameron County Irrigation District Number 2 (CCID2) or other ERHWSC irrigation district suppliers disallow farm irrigation water use. (b) distribution system pressures fall below 35 psi requirements due to system demand for two consecutive days, or (c) ERHWSC consumer demand exceeds 85% of ERHWSC system capacity for 15 days out of any consecutive 30-day period.

(2) Requirements for termination - Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.

d. Stage 3 - Emergency Water Shortage Conditions

(1) Requirements for initiation - Customers shall be required to comply with the requirements and restrictions for Stage 3 of this Plan when the ERHWSC General Manager, or his/her designee, determines that a water supply emergency exists based on: (a) major water line breaks, or pump or system failures occur, which cause loss of capability to provide water service; (b) natural or man-made

contamination of the water supply source(s); or (c) rapidly occurring low-pressure conditions (less than 20 psi) due to any reason.

(2) Requirements for termination – Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist. Upon termination of Stage 3, the General Manager will determine which Stage will follow.

e. Water Rationing

(1) Requirements for initiation - Customers shall be required to comply with the requirements and restrictions for Stages 2 and 3 of this Plan when these stages are declared to exist by the ERHWSC General Manager.

(2) Requirements for termination – Water use Best Management Practices (restrictions) may be rescinded when all of the conditions listed as triggering events for Stage 2 have ceased to exist for 30 consecutive days.

9. ***Drought Response Stages and Best Management Practices.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section 8 of the Plan, shall determine that a moderate, severe, or emergency condition exists and shall implement the following actions upon either direct mailing to ERHWSC members, posting at the ERHWSC main office, radio and television public announcements, and/or the ERHWSC website. The ERHWSC General Manager will notify via telephone the TCEQ, major water users, and critical water users (i.e. medical clinics) as determined as necessary. The TCEQ must be notified in writing within five business days of the implementation of any mandatory provisions of the Plan. Rate structure changes in Stages 2 & 3 will apply to billing following completion of the first full-service month after notification.

a. Stage 1 - Moderate Water Shortage Conditions

(1) Target: Achieve a voluntary reduction in daily water demand.

(2) Supply Best Management Practices: ERHWSC will manage limited water resources with the following measures:

(a) Recycle backwash water to the headworks of the surface water treatment plant or reservoir after decanting the settled water away from the settled sludge. This process eliminates the loss of the backwash water to evaporation or disposal. Minimize loss of brackish groundwater at NCRWTP for dilution and flushing purposes.

(b) Flushing of water mains will be conducted when customer complaints of taste and odor are reported, and to meet regulatory requirements of TCEQ.

(c) ERHWSC will be active in providing public education through public displays, ERHWSC website, mailings and/or water conservation education in local school districts.

(d) ERHWSC will proactively pursue alternative water sources to the Rio Grande River (such as brackish groundwater desalination) to avoid push-water system losses in the event of CCID2's planned or actual cessation of delivery of irrigation water to farmers.

(3) Voluntary Water Use Best Management Practices:

(a) Water customers are requested to voluntarily minimize the irrigation of landscaped areas and lawns;

(b) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

b. Stage 2 – Severe Water Shortage Conditions

(1) Target: Achieve a 10% average reduction in daily water demand.

(2) Supply Best Management Practices: All Supply Best Management Practices noted in Stage 1 above.

(3) Water Use Best Management Practices: Under threat of penalty for violation, the following water use Best Management Practices (restrictions) shall apply to all persons:

(a) Irrigation of landscaped or lawn areas with hose-end sprinklers or automatic or manual irrigation systems shall be limited to the hours of 12:00 midnight until 8:00 a.m. and between 8:00 p.m. and 12:00 midnight. However, irrigation of landscaped areas is permitted at any time if it is by means of a hand-held hose, a faucet filled bucket or watering can, or drip irrigation system.

(b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is allowed when done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rinses.

(c) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life.

(d) Use of water from flush valves shall be limited to firefighting, related activities, or other activities necessary to maintain water quality, public health, safety, regulatory compliance, and welfare, except that use of water from designated flush valves for construction purposes may be allowed with meter service from the ERHWSC.

(e) Non-essential water uses should be eliminated.

(4) Water Rate Structure:

(a) The Water Rate Structure for meters shall be as follows:

Starting Value	Category Maximum	Cost $ per Thousand
	Base Usage	Base Rate
1 gal above Base	8,000 gal above Base	$ 3.50
8,001 gal above Base	18,000 gal above Base	$ 4.25
18,001 above Base	48,000 above Base	$ 6.25
48,001 above Base	Any greater usage	$ 7.00

(5) Water Rights Surcharge: In the event that TCEQ requires Cameron County Irrigation District #2 (CCID#2), or other irrigation district water suppliers to ERHWSC, to calculate push water volume in order to supply ERHWSC with raw water, and ERHWSC must purchase push water from other sources, then ERHWSC will pass the cost of the push water equally onto the Membership on a per service unit basis, based upon the number of service units in existence at the time of the assessment.

d. Stage 3 – Emergency Water Shortage Conditions

(1) Target: Minimize all water use to maintain system pressure above 20 psi as required for public health, safety, and welfare, until system repairs or source water contamination is eliminated.

(2) Supply Best Management Practices:

(a) Interconnections with other water utility systems will be utilized to the maximum extent possible. These interconnections include Harlingen Waterworks System, Olmito Water Supply Corporation, and the City of Los Fresnos. It is possible to make additional emergency connections with the City of Los Fresnos and Southmost Regional Water Authority if conditions require such action.

(b) Emergency supplies for repair of water lines of all sizes and valves in the distribution system and water plants are maintained in stock for use.

(c) Back-up raw water, chemical feed, and high service pumps are maintained in running condition at the water plants at all times. Monthly maintenance is conducted on all other equipment as recommended in the owner's manual. Emergency generators are installed at surface water treatment plants to provide backup power supply in the event of loss of power from Magic Valley Electric Cooperative.

(d) ERHWSC will attempt to notify all major water users of emergency conditions and request water usage to be minimized.

(e) ERHWSC will continually pursue alternative water sources to the delivery of Rio Grande River water by CCID2, due to the lingering threat of push-water scenarios. Alternate supplies can include regional or local brackish groundwater desalination projects.

(3) Water Use Best Management Practices: All requirements of Stage 2 shall remain in effect during Stage 3 except:

(a) Irrigation of landscaped areas is absolutely prohibited.

(b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is absolutely prohibited.

(c) The filling, refilling, or adding of water to swimming pools, wading pools, and Jacuzzi-type pools is prohibited.

(4) Water Rate Structure: The water rate structure under Stage 3 will not change from the previously existing stage, since this stage is for short-term emergencies only.

10. ***Enforcement.***

a. **Violations** –Members found to be in violation of Stage 2 or 3 of this Plan will be notified by the ERHWSC General Manager or his designee in writing. The written notice will contain the specific violation, date and time the violation was recorded, and will put the customer on notice that any subsequent violation will result in their meter being shut off and padlocked. Services discontinued under such circumstances shall be restored only upon payment of a re-connection charge, hereby established at seventy-five dollars ($75.00) and any other costs incurred by the ERHWSC in discontinuing service. In addition, the customer, whose water service is disconnected after two separate offenses, must give suitable assurance to ERHWSC that the same action shall not be repeated while the Plan is in effect. After water service is disconnected for two

distinct violations, any further distinct violations will result in water service being disconnected immediately. The ERHWSC will reestablish water service after a one hundred and fifty dollars ($150) reconnection charge is paid, the customer's account is cleared of all debts owed to ERHWSC, and the ERHWSC determines that the violations will not reoccur.

b. Any member of ERHWSC that owns property where a violation occurs or originates shall be presumed to be the violator. Members shall be presumed to be responsible for violations by their minor children, tenants, guests, children, or family members.

11. ***Variances.*** The ERHWSC General Manager, or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

a. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.

b. Alternative methods can be implemented which will achieve the same level of reduction in water use.

c. Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the ERHWSC within 15 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the ERHWSC General Manager or his/her designee, and shall include the following:

(1) Name and address of the petitioner(s).

(2) Purpose of water use.

(3) Specific provision(s) of the Plan from which the petitioner is requesting relief.

(4) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Plan.

(5) Description of the relief requested.

(6) Period of time for which the variance is sought.

(7) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.

(8) Other pertinent information.

d. Variances granted by the ERHWSC shall be subject to the following conditions, unless waived or modified by the ERHWSC General Manager or his/her designee:

(1) Variances granted shall include a timetable for compliance.

(2) Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

(3) No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

12. ***Severability.*** It is hereby declared to be the intention of the ERHWSC Board of Directors that the sections, paragraphs, sentences, clauses, and phrases of this Section are severable and, if any phrase, clause, sentence, paragraph, or section of this Plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such

unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Plan, since the same would not have been enacted by the ERHWSC Board of Directors without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

EAST RIO HONDO WATER SUPPLY CORPORATION

<u>WHOLESALE</u> WATER CONSERVATION
&
EMERGENCY WATER DEMAND MANAGEMENT PLAN

I. INTRODUCTION

A. GENERAL

East Rio Hondo Water Supply Corporation's (ERHWSC) owns and operates the water supply, treatment, and distribution systems in its area covered by its designated Texas Commission on Environmental Quality Certificate of Convenience and Necessity #11552. A detailed description of the service area, population, and customer data, water use data, water supply system data, and wastewater data are included in the ERHWSC Retail Water Conservation Plan.

This Appendix outlines the Corporation's proposed Wholesale Water Conservation and Emergency Water Demand Management Plan. The objective of the Wholesale Water Conservation Plan is to reduce the quantity of potable water necessary for every waste consumption activity related to wholesale water customers through the promotion of efficient water use practices.

B. PLANNING AREA DESCRIPTION

The ERHWSC was created in the late 1970's to provide potable water supply for the rural residential areas of southern Willacy and northern Cameron County north of Rancho Viejo and FM 100, north of Primera and SH 107, east of Bass Boulevard in Cameron and Willacy County excluding the governmental entities of Combes, Primera, Harlingen, Los Fresnos, San Benito, Rio Hondo, Valley Municipal Utility District Number Two, and Laguna Madre Water District. The system covers approximately 407 square miles and has approximately 8,879 direct water service meters and 2,553 additional meter equivalents serviced by three wholesale accounts. These wholesale accounts include; The Town of Indian Lake, Military Highway Water Supply Corporation, and the Department of Homeland Security, Port Isabel Detention Center.

C. GOALS OF THE PROGRAM

The primary goal of the Water Conservation Plan is to achieve a reduction in per capita usage in water consumption. The reduction in demand will sustain current raw water supplies, reduce the quantity of water supplies required for the future, and lower the peak demand requirements of the distribution system. This reduction will allow for:

Reducing capital and operating costs of water system.
Prolonging the life of existing facilities and assets.
Reducing the potential for water rationing associated with drought.

The secondary goal of the Water Conservation Plan is to establish alternative water supplies to the traditional surface water source of the Rio Grande River, thus ensuring a more long-term, diversified, and sustainable water portfolio.

1. FIVE-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 14%

b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 100 gpcd.

2. TEN-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 13.5%

b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 97.5 gpcd.

D. UNIVERSAL METERING

1. GENERAL.

The Corporation currently has universal metering with all meters tested for accuracy of ±2.0%. In addition, a meter replacement program is underway to replace 960 meters per year until all meters have been upgraded to Kamstrup AMI meters. At 2.5% annual growth rate, it is anticipated that all meters will be AMI by 2027. The AMI meters have a 20-year life cycle. The new meters will provide for 24-hour water audits, as well as additional quarter-hour increments of flow to determine actual customer watering schedules, etc.

In addition, the Corporation will estimate and log all flush water used as this quantity is a significant amount with flushing required on a minimum monthly occurrence for dead end lines.

2. LOCATIONS.

Raw, treated, and sold water are measured via venturi, propeller, turbine, magnetic, or differential pressure meters. Total deliveries, or sold water, are calculated monthly by adding all metered water sales together. System losses are calculated by determining the difference between monthly total of plant treated water and monthly sold water totals.

3. LEAK DETECTION & REPAIR

The Corporation will estimate and log all flush water used as this quantity is a significant amount with flushing required on a minimum monthly occurrence for dead end lines. Leaks are identified by ERHWSC employees and customers. Leaks are fixed in the order of most significant water loss, and are repaired as rapidly as feasible.

II. WATER CONSERVATION PLAN

A. PLAN ELEMENTS

Of the variety of water conservation methods available to the Corporation, elements considered to be most critical in development of this plan include: outdoor water conservation practices, water conserving landscaping practices, indoor water conservation practices, elimination of water theft, more rapid leak detection and repair, and plumbing fixture retrofit. As ERHWSC does not currently have contracts with two of its wholesale customers, the general approach is to provide education and guidance to promote water conservation.

B. EDUCATION AND INFORMATION

1. GENERAL

The Corporation's wholesale customers will be requested to promote water conservation through a public information program. The program should be based on literature available through the Texas Water Development Board, Texas Commission on Environmental Quality, American Waterworks Association, and private publishing companies. The public information program should be broken into two segments, Annual and New customer program. The information should also be made continually available on the wholesale customers' websites.

2. ANNUAL

The Annual program is recommended to include providing water conservation brochures at the teller payment windows and drive-through payment window. These brochures can be obtained from the sources noted above and will provide examples of water conservation methods. The educational material and articles will inform customers of methods to reduce water consumption both indoors and outdoors. Customers should be notified of the availability of the brochures in at least one annual mailing.

The conservation methods presented should include:

Outdoor savings hints.
Water savings hints.
Kitchen savings hints.
Bathroom savings hints.

In addition, wholesale customers will be encouraged to participate in distributing water conservation printed literature to schools within their service area annually. This should be an annual public education effort which should correspond with annual peak usage periods of spring and summer.

C. RETROFIT PROGRAM

Water customers of structures which do not have water conserving plumbing devices should be encouraged, through the wholesale customers' education programs, to voluntarily install water savings fixtures and devices.

D. WATER CONSERVING LANDSCAPING

The public education program should include brochures and digital information obtained from sources noted above which provide suggestions on water saving landscaping, irrigation procedures, and soil modifications. These suggestions provide a wide range of water savings and maintenance procedures which have a major effect on the water use outside the home.

E. LEAK DETECTION AND REPAIR

The Corporation pursues an active program of locating and repairing leaks. Currently, the program consists of leak location through visual detection. ERHWSC has replaced 99% of the steel carrier pipes in the distribution system with PVC pipes in steel casing. A program to replace double disk gate valves with resilient seat gate valves was begun in 2010 and continues. ERHWSC has installed Kamstrup Acoustic Leak Detection (ALD) meters since Year 2022 to assist in quickly identifying leak locations with ALD software provided by Kamstrup. This program will be continued to a system-wide Automatic Meter Infrastructure (AMI) build-out and will eventually be utilized for district or zoned metering to more quickly narrow leakage locations.

F. CONTRACTUAL OBLIGATIONS

ERHWSC will have a requirement in every water supply contract entered into or renewed after official adoption of the water conservation plan, and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements of 30 TAC Chapter 288.

G. RESERVOIR OPERATIONS PLAN

The ERHWSC pumps water out of its FM 510 Water Treatment Plant reservoir on a daily basis to meet plant flow demands. Pumping into the reservoir from the Cameron County Irrigation District Two canal is conducted two days per week to minimize CCID2 system losses. ERHWSC does not operate any other reservoirs at this time.

H. PLAN ADOPTION AND IMPLEMENTATION (ENFORCEMENT)

The General Manager of the ERHWSC or his duly appointed representative will act as Administrator of the Wholesale Water Conservation Plan. The Administrator will oversee the execution and implementation of the elements associated with the plan. The Administrator will also be responsible to oversee the maintenance of the records for

program verification. The Administrator will review this plan as required not later than May 1, 2019, and every five years after that date to coincide with the regional water planning group.

As a means of implementation of the Water Conservation Program, the Corporation will approve a resolution enacting the Water Conservation Plan.

I. COORDINATION WITH REGIONAL WATER PLANNING GROUP.

The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

J. ADDITIONAL CONSERVATION STRATEGIES.

ERHWSC will encourage all wholesale water customers to have a conservation-oriented rate structure and to practice similar water conservation measures to those in the ERHWSC Retail Water Conservation Plan.

III. WHOLESALE DROUGHT CONTINGENCY AND EMERGENCY WATER DEMAND MANAGEMENT PLAN. *The following was taken directly from the ERHWSC Tariff Section I.*

SECTION I.
WHOLESALE DROUGHT CONTINGENCY
AND
EMERGENCY WATER DEMAND MANAGEMENT PLAN

1. ***Declaration of Policy, Purpose, and Intent.*** In order to conserve the available water supply and/or to protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the East Rio Hondo Water Supply Corporation (ERHWSC) adopts the following Wholesale Drought Contingency and Emergency Water Demand Management Plan (the Plan).

2. ***Public Involvement***. Opportunity for the public and wholesale water customers to provide input into the preparation of the original Plan was provided by ERHWSC by means of posting notice of the public meeting for adoption of the plan, and providing printed copies to the wholesale customers before adoption. Additional public and wholesale water customer input opportunity was provided for via public meeting notice for amendment at ERHWSC Board of Directors meeting on March 11, 2013 February 8, 2021, July 18, 2022, September 12, 2022, and February 12, 2024.

3. ***Wholesale Water Customer Education***. The ERHWSC will periodically provide wholesale water customers with information about the Plan, including information about the conditions

under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. Wholesale water customers have been provided a copy of the Plan.

4. ***Coordination with Regional Water Planning Group.*** The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

5. ***Authorization***. The ERHWSC General Manager, or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The ERHWSC General Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

6. ***Application.*** The provisions of this Plan shall apply to all wholesale customers utilizing water provided by the ERHWSC. The terms person and customer as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

7. ***Triggering Criteria for Initiation and Termination of Drought Response Stages.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Public notification of the initiation or termination of drought response stages shall be by direct mail and/or email to each wholesale customer. The triggering criteria described below are based on an analysis of the vulnerability of the water source under previous drought conditions.

    a. Stage 1 - Moderate Water Shortage Conditions

        (1) Requirements for initiation - Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, when (a) the Falcon and Amistad Reservoirs reach 30% of capacity as determined by the Texas Commission on Environmental Quality (TCEQ).
        (b) Cameron County Irrigation District Number 2 (CCID2) or other irrigation district suppliers provide notice to ERHWSC that they will disallow farm irrigation water use within 60-90 days.
        (2) Requirements for termination - Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days.

    b. Stage 2 - Severe Water Shortage Conditions

        (1) Requirements for initiation - Customers shall be required to comply with the requirements for Stage 2 of this Plan when (a) Cameron County Irrigation District Number 2 (CCID2) or other ERHWSC irrigation district water suppliers disallow farm irrigation water use, (b) distribution system pressures fall below 35 psi requirements due to system demand for two consecutive days, or (c)

ERHWSC consumer demand exceeds 85% of ERHWSC system capacity for 15 days out of any consecutive 30-day period.

(2) Requirements for termination - Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days. Upon termination of Stage 2, the General Manager will determine which Stage, if any, will follow.

d. Stage 3 - Emergency Water Shortage Conditions

(1) Requirements for initiation - Customers shall be required to comply with the requirements for Stage 3 of this Plan when the ERHWSC General Manager, or his/her designee, determines that a water supply emergency exists based on: (a) major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; (b) natural or man-made contamination of the water supply source(s); or (c) rapidly occurring low-pressure conditions (less than 20 psi) due to any reason.

(2) Requirements for termination – Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist. Upon termination of Stage 3, the General Manager will determine which Stage, if any, will follow.

8. ***Drought Response Stages.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section 8 of the Plan, shall determine that a moderate, severe, or emergency condition exists and shall implement the following actions upon written notice to wholesale customers. The ERHWSC General Manager will notify the TCEQ for Stage 2 or 3 as necessary.

a. Stage 1 - Moderate Water Shortage Conditions

(1) Target: Achieve a voluntary reduction in daily water demand so that the annual average gallons per capita per day for wholesale customers is below 115.

(2) Supply Management Measures: ERHWSC will manage limited water resources with the following measures:

(a) Recycle backwash water to the headworks of the surface water treatment plant or reservoir after decanting the settled water away from the settled sludge. This process eliminates the loss of the backwash water to evaporation or disposal. Minimize loss of brackish groundwater at NCRWTP for dilution and flushing purposes.

(b) Flushing of water mains will be conducted only when customer complaints of taste and odor are reported, when insufficient chlorine residuals are measured near the flush valve, or TCEQ regulations require otherwise.

(c) ERHWSC will be active in providing public education through public displays, ERHWSC website, mailings, and/or water conservation education in local school districts when invited.

(d) ERHWSC will proactively pursue alternative water sources to the Rio Grande River (such as brackish groundwater desalination) to avoid push-water system losses in the event of CCID2's planned or actual cessation of delivery of irrigation water to farmers.

(3) Demand Management Measures: The ERHWSC General Manager, or his/her designee(s), will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate voluntary water use restrictions similar to those listed under Stage 1 of the ERHWSC Retail Drought Contingency Plan.

b. Stage 2 – Severe Water Shortage Conditions

(1) Target: Reduce daily water demand to point that only Stage 1 is applicable.

(2) Supply Management Measures: All Supply Management measures noted in Stage 1 above.

(3) Demand Management Measures: The ERHWSC General Manager, or his/her designee(s), will notify wholesale water customers in writing and request the wholesale customer implement mandatory measures for water conservation similar to those listed under Stage 2 of the ERHWSC Retail Drought Contingency Plan. Customers will be notified in writing when Stage 2 is terminated.

(4) Water Rights Surcharge: In the event that TCEQ requires CCID2, or any other irrigation district water suppliers to ERHWSC, to calculate push water volume in order to supply ERHWSC with raw water, and ERHWSC must purchase push water from other sources, then ERHWSC will pass the cost of the push water equally onto all ERHWSC customers. A wholesaler's percentage of the push water surcharge will be based upon the wholesaler's total number of equivalent service units in proportion to the total number of equivalent service units being served by ERHWSC.

d. Stage 3 – Emergency Water Shortage Conditions

(1) Target: Minimize all water use to only that required for public health, safety, and welfare, until system repairs or source water contamination is eliminated.

(2) Supply Management Measures:

(a) Interconnections with other water utility systems will be utilized to the maximum extent possible. These interconnections include Harlingen Waterworks System, Olmito Water Supply Corporation, and the City of Los Fresnos. It is possible to make additional emergency connections with the City of Los Fresnos, and Southmost Regional Water Authority if conditions required such action.

(b) Emergency supplies for repair of water lines of all sizes and valves in the distribution system and water plant are maintained in stock for use.

(c) Back-up raw water, chemical feed, and high service pumps are maintained in running condition at the water plants at all times. Monthly maintenance is conducted on all other equipment as recommended in the owner's manual. Emergency generators are installed at surface water treatment plants to provide backup power supply in the event of loss of power from Magic Valley Electric Cooperative.

(d) ERHWSC will attempt to notify all major water users of emergency conditions and request water usage to be eliminated or minimized.

(e) ERHWSC will continually pursue alternative water sources to the delivery of Rio Grande River water by CCID2, due to the lingering threat of push-water scenarios. Alternate supplies can include regional or local brackish groundwater desalination projects.

(3) Demand Management Measures: Whenever emergency water shortage conditions exist as defined in Section 7 of the Plan, the ERHWSC General Manager or his/her designee shall:

(a) Assess the severity of the problem and identify the actions needed and time required to solve the problem.

(b) Inform the utility director or other responsible official of each wholesale water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems (e.g., notification of the public to reduce water use until service is restored).

(c) If appropriate, notify city, county, and/or state emergency response officials for assistance. Notify the news media as necessary to protect the public health and request reduction in water usage.

(d) Undertake necessary actions, including repairs and/or clean-up as needed.

e. Pro Rata Curtailment of Water Deliveries

(1) Contracts: ERHWSC shall include a provision in every wholesale water contract entered into or renewed after adoption of the plan, including contract extensions, that in case of a shortage or insufficient supply of water resulting from drought, the water to be distributed shall be divided in accordance with Texas Water Code, §11.039.

(2) No Contracts: As a condition of service, ERHWSC will require pro rata curtailment of water deliveries, in case of a shortage or insufficient supply of water resulting from drought, to non-contract wholesale customers as provided in Texas Water Code, §11.039.

9. ***Variances.*** The ERHWSC General Manager, or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

a. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.

b. Alternative methods can be implemented which will achieve the same level of reduction in water use.

c. Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the ERHWSC within 15 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the ERHWSC General Manager or his/her designee, and shall include the following:

(1) Name and address of the petitioner(s).

(2) Purpose of water use.

(3) Specific provision(s) of the Plan from which the petitioner is requesting relief.

(4) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Plan.

(5) Description of the relief requested.

(6) Period of time for which the variance is sought.

(7) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.

(8) Other pertinent information.

d. Variances granted by the ERHWSC shall be subject to the following conditions, unless waived or modified by the ERHWSC General Manager or his/her designee:

(1) Variances granted shall include a timetable for compliance.

(2) Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

(3) No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

10. ***Severability.*** It is hereby declared to be the intention of the ERHWSC Board of Directors that the sections, paragraphs, sentences, clauses, and phrases of this Section are severable and, if any phrase, clause, sentence, paragraph, or section of this Plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Plan, since the same would not have been enacted by the ERHWSC Board of Directors without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

ATTACHMENT “A”

TEXAS WATER DEVELOPMENT BOARD UTILITY PROFILE FOR RETAIL WATER SUPPLIERS

February 2024

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Fill out this form as completely as possible.
If a field does not apply to your entity, leave it blank.

CONTACT INFORMATION

Name of Utility: _____

Public Water Supply Identification Number (PWS ID): _____

Certificate of Convenience and Necessity (CCN) Number: _____

Surface Water Right ID Number: _____

Wastewater ID Number: _____

Completed By: _____ Title: _____

Address: _____City: _____Zip Code: _____

Email: _____ Telephone Number: _____

Date: _____

Regional Water Planning Group: _____ Map

Groundwater Conservation District: _____ Map

Check all that apply:

Received financial assistance of $500,000 or more from TWDB

Have 3,300 or more retail connections

Have a surface water right with TCEQ

Texas Water Development Board

Section I: Utility Data

A. Population and Service Area Data

1. Current service area size in square miles: _____
(Attach or email a copy of the service area map.)

2. Provide historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Service

3. Provide the projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Service
2020			
2030			
2040			
2050			
2060			

4. Describe the source(s)/method(s) for estimating current and projected populations.

B. System Input

Provide system input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Self-supplied Water in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
Historic 5-year Average					

C. Water Supply System (Attach description of water system)

1. Designed daily capacity of system _____ **gallons** per day.
2. Storage Capacity:
   Elevated _____ **gallons**
   Ground _____ **gallons**

3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons

*Select one of the following source types: *Surface water, Groundwater, or Contract*

4. If surface water is a source type, do you recycle backwash to the head of the plant?
   Yes _____ estimated **gallons** per day
   No

Texas Water Development Board

D. Projected Demands

1. Estimate the water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Population	Water Demands (gallons)

2. Describe sources of data and how projected water demands were determined. Attach additional sheets if necessary.

Texas Water Development Board

E. High Volume Customers

1. List the annual water use, in gallons, for the five highest volume **RETAIL customers**. Select one of the following water use categories to describe the customer; choose Residential, Industrial, Commercial, Institutional, or Agricultural.

Retail Customer	Water Use Category*	Annual Water Use	Treated or Raw

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

2. If applicable, list the annual water use for the five highest volume **WHOLESALE customers**. Select one of the following water use categories to describe the customer; choose Municipal, Industrial, Commercial, Institutional, or Agricultural.

Wholesale Customer	Water Use Category*	Annual Water Use	Treated or Raw

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

F. Utility Data Comment Section

Provide additional comments about utility data below.

Texas Water Development Board

Section II: System Data

A. Retail Connections

1. List the active retail connections by major water use category.

Water Use Category*	Active Retail Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Residential – Single Family				
Residential – Multi-family (units)				
Industrial				
Commercial				
Institutional				
Agricultural				
TOTAL				

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

2. List the net number of new retail connections by water use category for the previous five years.

Water Use Category*	Net Number of New Retail Connections				
Residential – Single Family					
Residential – Multi-family (units)					
Industrial					
Commercial					
Institutional					
Agricultural					
TOTAL					

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

Texas Water Development Board

B. Accounting Data

For the previous five years, enter the number of gallons of RETAIL water provided in each major water use category.

Water Use Category*	Total Gallons of Retail Water				
Residential - Single Family					
Residential – Multi-family					
Industrial					
Commercial					
Institutional					
Agricultural					
TOTAL					

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

C. Residential Water Use

For the previous five years, enter the residential GPCD for single family and multi-family units.

Water Use Category*	Residential GPCD				
Residential - Single Family					
Residential – Multi-family					

D. Annual and Seasonal Water Use

1. For the previous five years, enter the gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Retail Water				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

2. For the previous five years, enter the gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Retail Water				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

3. Summary of seasonal and annual water use.

Water Use	Seasonal and Annual Water Use					Average in Gallons
Summer Retail (Treated + Raw)						_____ 5yr Average
TOTAL Retail (Treated + Raw)						_____ 5yr Average

E. Water Loss

Provide Water Loss data for the previous five years.

Water Loss GPCD = [Total Water Loss in Gallons ÷ Permanent Population Served] ÷ 365

Water Loss Percentage = [Total Water Loss ÷ Total System Input] x 100

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
5-year average			

Texas Water Development Board

F. Peak Water Use

Provide the Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)

G. Summary of Historic Water Use

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF			
Residential MF			
Industrial			
Commercial			
Institutional			
Agricultural			

H. System Data Comment Section

Provide additional comments about system data below.

Texas Water Development Board

Section III: Wastewater System Data

If you do not provide wastewater system services then you have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

A. Wastewater System Data (Attach a description of your wastewater system.)

1. Design capacity of wastewater treatment plant(s): _____ **gallons** per day.

2. List the active wastewater connections by major water use category.

Water Use Category*	Active Wastewater Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal				
Industrial				
Commercial				
Institutional				
Agricultural				
TOTAL				

2. What percent of water is serviced by the wastewater system? ____%

3. For the previous five years, enter the number of gallons of wastewater that was treated by the utility.

Month	Total Gallons of Treated Wastewater				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

4. Can treated wastewater be substituted for potable water?

Yes No

B. Reuse Data

1. Provide data on the types of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site irrigation	
Plant wash down	
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (parks, golf courses)	
Agricultural	
Discharge to surface water	
Evaporation pond	
Other	
TOTAL	

C. Wastewater System Data Comment

Provide additional comments about wastewater system data below.

You have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

Texas Water Development Board

Water Conservation Plan Annual Report
Retail Water Supplier

CONTACT INFORMATION

Name of Utility: EAST RIO HONDO WSC

Public Water Supply Identification Number (PWS ID): TX0310096

Certification of Convenience and Necessity (CCN) Number: 11552

Surface Water Right ID Number: 838-U

Wastewater ID Number: 20861

Check all that apply:

- [x] Retail Water Supplier
- [x] Wholesale Water Supplier
- [x] Wastewater Treatment Utility

Address: 206 Industrial Parkway / P.O. Box 621 City: Rio Hondo Zip Code: 78583

Email: [redacted] Telephone Number: 9562477815

Regional Water Planning Group: M

Groundwater Conservation District: N/A

Contact: First Name: Brian E. Last Name: Macmanus

Title: General Manager

Is this person the designated Conservation Coordinator? (•) Yes ( ) No

Regional Water Planning Group: M

Groundwater Conservation District: N/A

Reporting Period (Calendar year):

Period Begin (mm/yyyy): 01/2024 Period End (mm/yyyy): 12/2024

Check all that apply:

- [x] Received financial assistance of $500,000 or more from TWDB
- [x] Have 3,300 or more retail connections
- [x] Have a surface water right with TCEQ

Texas Water Development Board

SYSTEM DATA

1. For this reporting period, select the category(s) used to classify customer water usage:

	Retail Customer Water Usage Categories
☑	Residential - Single Family
☑	Residential - Multi-family
☐	Industrial
☑	Commercial
☑	Institutional
☐	Agricultural

Retail Customers Categories*

- Residential Single Family
- Residential Multi-Family
- Industrial
- Commercial
- Institutional
- Agricultural

**Recommended Customer Categories for classifying customer water use. For definitions, refer to Guidance and Methodology on Water Conservation and Water Use.*

2. For this reporting period, enter the number of connections for and the gallons of metered retail water used by each category. If the Customer Category does not apply, enter zero or leave blank. These numbers should be the same as those reported on the Water Use Survey.

Retail Customer Category	Number of Connections	Gallons Metered
Residential - Single Family	8,223	747,681,500
Residential - Multi-family	1	185,000
Industrial	0	0
Commercial	39	13,569,800
Institutional	30	32,791,200
Agricultural	0	0
Total Retail Water Metered[1]	8,293	794,227,500

[1]Residential + Industrial + Commercial + Institutional + Agricultural = Total Retail Water Metered

Water Use Accounting

	Total Gallons During the Reporting Period
1. Corrected Input Volume: The volume of treated water input to the distribution system from own production facilities. Same as line 13b of the Water Loss Audit for reporting periods >= 2015. Same as line 14 of the Water Loss Audit for reporting periods <= 2014.	**1,383,174,174**
2. Corrected Treated Purchased Water Volume: The amount of treated purchased wholesale water transfered into the utility's distribution system from other water suppliers system. Same as line 14b of the Water Loss Audit for reporting periods >= 2015. Same as line 15 of the Water Loss Audit for reporting periods <= 2014.	**74,508,763**
3. Corrected Treated Wholesale Water Sales Volume: The amount of treated wholesale water transfered out of the utility's distribution system, although it may be in the system for a brief time for conveyance reasons. Same as line 15b of the Water Loss Audit for reporting periods >= 2015. Same as line 16 of the Water Loss Audit for reporting periods <= 2014.	**475,543,515**
4. Total System Input Volume: This is the sum of the corrected input volume plus corrected treated purchased water volume minus corrected treated wholesale water sales volume. Same as line 16 of the Water Loss Audit for reporting periods >= 2015. Same as line 17 of the Water Loss Audit for reporting periods <= 2014. Produced + Imported - Exported = Total System Input Volume	**982,139,422**
5. Billed Metered: All retail water sold and metered. Same as line 17 of the Water Loss Audit for reporting periods >= 2015. Same as line 18 of the Water Loss Audit for reporting periods <= 2014.	**794,227,500**
6. Other Authorized Consumption: Water that is authorized for other uses such as back flushing, line flushing, storage tank cleaning, fire department use, municipal government offices or municipal golf courses/parks. This water may be metered or unmetered. Same as lines 18, 19, and 20 of the Water Loss Audit for reporting periods >= 2015. Same as lines 19, 20, and 21 of the Water Loss Audit for reporting periods <= 2014.	**100,913,098**
7. Total Authorized Consumption: All water that has been authorized for use. Same as Line 21 of the Water Loss Audit for reporting periods >= 2015. Same as line 22 of the Water Loss Audit for reporting periods <= 2014. Total Billed and Metered Retail Water + Other Authorized Consumption = Total Authorized Consumption	**895,140,598**
8. Total Apparent Losses: Water that has been consumed but not properly measured or billed (losses due to customer meter inaccuracy, systematic data handling discrepancy and/or unauthorized consumption such as theft). Same as line 27 of the Water Loss Audit for reporting periods >= 2015. Same as line 28 of the Water Loss Audit for reporting periods <= 2014.	**18,117,684**

9. Total Real Loss: Physical losses from the distribution system prior to reaching the customer destination (losses due to reported breaks and leaks, physical losses from the system or mains and/or storage overflow). Same as line 30 of the Water Loss Audit for reporting periods >= 2015. Same as line 31 of the Water Loss Audit for reporting periods <= 2014.	**68,881,140**
10. Total Water Loss: Apparent + Real = Total Water Loss	**86,998,824**

Programs and Activities

1. What year did your entity adopt or revise their most recent Water Conservation Plan? 2024

2. Does The Plan incorporate Best Management Practices? (•) Yes ( ) No

3. Using the table below select the types of Best Management Practices or water conservation and reuse strategies actively administered during this reporting period and estimate the savings incurred in implementing water conservation and reuse activities and programs. Leave fields blank if unknown. **Please separate reuse volumes from gallons saved.**

Methods and techniques for determining gallons saved are unique to each utility as they conduct internal cost analyses and long-term financial planning. Texas Best Management Practice can be found at TWDB's Water Conservation Best Management Practices webpage. The Alliance for Efficiency Water Conservation Tracking Tool may offer guidance on determining and calculating savings for individual BMPs.

Best Management Practice	Check if Implemented	Estimated Gallons Saved	Estimated Gallons Reused
Conservation Analysis and Planning			
Conservation Coordinator	✓	3,411,690	
Cost Effective Analysis			
Water Survey for Single Family and Multi-family Customers			
Customer Characterization			
Financial			
Wholesale Agency Assistance Programs			
Water Conservation Pricing	✓	10,877,382	
System Operations			
Metering New Connections and Retrofitting Existing Connections	✓	2,407,536	
Utility Water Audit and Water Loss			
Landscaping			
Landscape Irrigation Conservation and Incentives			
Athletic Fields Conservation			
Golf Course Conservation			

Texas Water Development Board

Park Conservation			
Residential Landscape Irrigation Evaluation			
Outdoor Watering Schedule			
Education and Public Awareness			
School Education			
Public Information	✓	3,732,435	
Public Outreach and Education			
Partnerships with Nonprofit Organizations			
Rebate, Retrofit, and Incentive Programs			
Conservation Programs for ICI Accounts			
Residential Clothes Washer Incentive Program			
Water Wise Landscape Design and Conversion Programs			
Showerhead, Aerator, and Toilet Flapper Retrofit			
Residential Toilet Replacement Programs			
Custom Conservation Rebates			
Plumbing Assistance for Economically Disadvantaged Customers			
Conservation Technology & Reuse			
New Construction Graywater			
Rainwater Harvesting and Condensate Reuse			
Water Reuse BMP Categories			
Reuse for On-site Irrigation			
Reuse for Plant Washdown	✓	14,119,910	
Reuse for Chlorination/Dechlorination	✓	14,119,910	
Reuse for Industry			
Reuse for Agriculture			
Regulatory and Enforcement			
Prohibition on Wasting Water			
Conservation Ordinance Planning and Development			
Enforcement of Irrigation Standards			
Retail			
Other			
Totals		**48,668,863**	

4. For this reporting period, estimate the savings from water conservation activities and programs.

Gallons Saved/Conserved	Gallons Recycled/Reused	Total Volume of Water Saved[1]	Dollar Value of Water Saved[2]
48,668,863		48,668,863	57,916

[1]Estimated Gallons Saved + Estimated Gallons Recycled/Reused = Total Volume Saved
[2]Estimated this value by taking into account water savings, the cost of treatment or purchase of water, and deferred capital cost due to conservation.

5. Comments or Explanations Regarding Data Entered in Sections Above.
Files to support or explain this may be attached below.

2023 Annual Produced Water Cost per 1000 gallons is $1.19

6. During this reporting period, did your rates or rate structure change? (•) Yes ( ) No

Select the type of rate pricing structure used. Check all that apply.

☐	Uniform Rates
☐	Flat Rates
☑	Inclining/Inverted Block Rates
☐	Declining Block Rates
☐	Seasonal Rates
☐	Water Budget Based Rates
☐	Excess Use Rates
☐	Drought Demand Rates
☐	Tailored Rates
☐	Surcharge - usage demand
☐	Surcharge - seasonal
☑	Surcharge - drought
☐	Other

7. For this reporting period, select the public awareness or educational activities used.

Name	Implemented This Year	Number Of Times This Year	Total Population Reached this Year
Brochures Distributed	☑	1	1,836
Messages Provided on Utility Bills	☑	2	27,240
Press Releases	☐		
TV Public Service Announcements	☐		
Radio Public Service Announcements	☐		
Educational School Programs	☑	1	14,850
Displays, Exhibits, and Presentations	☐		
Community Events	☐		
Social Media campaign - Facebook	☐		
Social Media campaign - Twitter	☐		
Social Media campaign - Instagram	☐		
Social Media campaign - YouTube	☐		
Facility Tours	☐		
Other	☐		
Total		4	43,926

Leak Detection and Water Loss

1. During this reporting period, how many leaks were repaired in the system or at service connections? 147

2. Select the main cause(s) of water loss in your system.

	Water Loss Causes
☑	Distribution line leaks and breaks
☑	Unauthorized use and theft

☐	Master meter problems
☐	Customer meter problems
☐	Record and data problems
☐	Other

3. For this reporting period, provide the following information on your distribution lines.

Total Length of Main Lines (miles)	Total Length Repaired (feet)	Total Length Replaced (feet)
460	200	300

4. For this reporting period, provide the following information regarding your meters:

Type of Meter	Total Number	Total Tested	Total Repaired	Total Replaced
Production Meters	3	2	0	1
Meters larger than 1 1/2 inches	75	0	0	1
Meters 1 1/2 inches or smaller	8241	0	0	1057

5. Does your system have automated meter reading? ◉ Yes ○ No

Texas Water Development Board

Program Effectiveness

1. Program Effectiveness

   In your opinion, how would you rank the overall effectiveness of your conservation programs and activities?

Customer Classification	Less Than Effective	Somewhat Effective	Highly Effective	Does Not Apply
Residential Customers	○	○	◉	○
Industrial Customers	○	○	○	◉
Institutional Customers	○	◉	○	○
Commercial Customers	○	◉	○	○
Agricultural Customers	○	○	○	◉

2. During the reporting period, did you implement your Drought Contingency Plan? ○ Yes ◉ No

3. Select the areas for which you would like to receive more technical assistance:

	Technical Assistance Areas
☑	Best Management Practices
☐	Drought Contingency Plans
☐	Landscape Irrigation
☐	Leak Detection and Equipment
☐	Rainwater Harvesting
☐	Rate Structures
☑	Educational Resources
☐	Water Conservation Annual Reports
☐	Water Conservation Plans
☐	Water IQ: Know Your Water
☐	Water Loss Audits
☑	Recycling and Reuse

Texas Water Development Board

Target and Goals

Total, Residential, and Water Loss in Gallons per Capita per Day (GPCD)

The tables below display your current GPCDs.

Total System Input in Gallons Water Produced + Wholesale Imported - Wholesale Exported	Retail Population[1]	Total GPCD (System Input / Retail Population) / 365
982,139,422	27,240	99

[1]Retail Population is the total permanent population of the service area, including single family, multi-family, and group quarter populations

Residential Use in Gallons (Single Family + Multi-family)	Residential Population[2]	Residential GPCD (Residential Use / Residential Population) / 365
747,866,500	24,669	83

[2]Residential Population is the total residential population of the service area, including only single family and multi-family populations

Total Water Loss in Gallons Apparent + Real = Total Water Loss	Retail Population	Water Loss GPCD[3]
86,998,824	27,240	9

[3]Water Loss GPCD is a conservation planning indicator and target best used in conjunction with Total GPCD and Residential GPCD.

The table below displays the specific and quantified five-year and ten-year goals listed in your current Water Conservation Plan alongside the current GPCD totals.

Achieve Date	Target for Total GPCD	Current Total GPCD	Target for Residential GPCD	Current Residential GPCD	Target for Water Loss GPCD	Current Water Loss GPCD
Five-year Target Date 2029	100	99	100	83	14	9
Ten-year Target Date 2034	98	99	98	83	13	9

From: Wayne Halbert
To: Joshua Schauer
Subject: Re: East Rio Hondo WSC; 23-838AC RFI
Date: Thursday, June 12, 2025 4:00:59 PM

East Rio Hondo Water Supply Corporation has been copied your letter request for the additional information on the WC/DC documents. As to question number 2 the answer is yes we are requesting an exempt interbasin transfer status for the water rights in question. All Rio Grande water rights in the Valley are exempt as all our lands are in the Nueces-Rio Grande watershed and all of our water comes from the Rio Grande watershed. As to the request 3), on the 28th of April we sent a check #2515 for $112.50 for the ERHWSC amendment from HID. The check #2616 for $100 was sent May 9th. A letter accompanied that check that verified the previous check sent to TCEQ. The first check cleared my bank 5/09 the second 5/13. I will send you the information on the WC/DC info when I receive it. Thank you and if you have any questions please let me know.
Wayne Halbert

Compliment Your Health by Growing Your Own Food

On Thu, Jun 12, 2025 at 3:27 PM Joshua Schauer <Joshua.Schauer@tceq.texas.gov> wrote:

> Mr. Halbert,
>
> Please find the attached letter. A response is due by July 14, 2025.
>
> Thanks,
>
> *Joshua Schauer, Project Manager*
>
> *Texas Commission on Environmental Quality*
>
> *Water Rights Permitting Team*
>
> *512.239.1371*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 12, 2025

Mr. Wayne Halbert, Consultant
1401 Harpers Ferry Road
College Station, TX 77845-8312

VIA E-MAIL

RE: East Rio Hondo Water Supply Corporation
ADJ 23-838
CN600694988, RN102741139
Application No. 23-838AC to Sever a Portion of Certificate of Adjudication No. 23-831 and Combine it with and Amend Certificate of Adjudication No. 23-838
Texas Water Code §§ 11.122, 11.085, Not Requiring Notice
Rio Grande, Rio Grande Basin and Nueces-Rio Grande Coastal Basin
Cameron County

Dear Mr. Halbert:

This acknowledges receipt, on May 9, 2025, of the referenced application and fees in the amount of $100.00 (Receipt No. M557430, copy attached).

Additional information and fees are required before the application can be declared administratively complete.

1. Provide additional information concerning the submitted water conservation plan for municipal use to comply with Title 30 Texas Administrative Code (TAC) § 288.2, that includes:

   a. A utility profile in accordance with the Texas Water Use Methodology, including, but not limited to, information regarding population and customer data, water use data (including total gallons per capita per day (GPCD) and residential GPCD), water supply system data, and wastewater system data. Staff notes a utility profile was submitted as Attachment A in the application; however, the form is blank.

   b. A record management system which allows for the classification of water sales and uses into the most detailed level of water use data currently available, including, if possible, the following sectors: (i) residential; (I) single family; (II) multi-family; (ii) commercial; (iii) institutional; (iv) industrial; (v) agricultural; and, (vi) wholesale.

2. Confirm that the applicant is requesting an exempt interbasin transfer to those portions of its service area in Cameron and Willacy counties that are within the Nueces-Rio Grande Coastal Basin for those portions of Certificate of Adjudication No. 23-831 being severed and combined into Certificate of Adjudication No. 23-838.

3. Remit fees in the amount of **$112.50**, as described below. Please make the check payable to the TCEQ or Texas Commission on Environmental Quality.

Filing Fee	(Sever & Combine/Amendment)	$	200.00
Recording Fee		$	12.50
TOTAL FEES		$	212.50
FEES RECEIVED		$	100.00
TOTAL FEES DUE		**$**	**112.50**

Please submit the requested information and fees by July 14, 2025, or the application may be returned pursuant to Title 30 TAC § 281.18.

If you have any questions concerning this matter, please contact me via email at Joshua.Schauer@tceq.texas.gov or by telephone at (512) 239-1371.

Sincerely,

Joshua Schauer, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability

Attachment

CC: Brian Macmanus

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ WATER RIGHTS PERMITTING APPLICATION

ADMINISTRATIVE INFORMATION CHECKLIST

Complete and submit this checklist for each application. See Instructions Page 5.

APPLICANT(S): East Rio Hondo Water Supply Corporation

Indicate whether the following items are included in your application by writing either Y (for yes) or N (for no) next to each item (all items are <u>not</u> required for every application).

Y/N		Y/N	
Y	**Administrative Information Report**	N	**Worksheet 3.0**
N	Additional Co-Applicant Information	N	Additional W.S. 3.0 for each Point
N	Additional Co-Applicant Signature Pages	N	Recorded Deeds for Diversion Points
Y	Written Evidence of Signature Authority	N	Consent for Diversion Access
Y	**Technical Information Report**	N	**Worksheet 4.0**
Y	USGS Map (or equivalent)	N	TPDES Permit(s)
Y	Map Showing Project Details	N	WWTP Discharge Data
N	Original Photographs	N	Groundwater Well Permit
N	Water Availability Analysis	N	Signed Water Supply Contract
Y	**Worksheet 1.0**	N	**Worksheet 4.1**
N	Recorded Deeds for Irrigated Land	N	**Worksheet 5.0**
N	Consent for Irrigated Land	N	Addendum to Worksheet 5.0
Y	**Worksheet 1.1**	Y	**Worksheet 6.0**
Y	Addendum to Worksheet 1.1	Y	Water Conservation Plan(s)
N	**Worksheet 1.2**	Y	Drought Contingency Plan(s)
N	**Worksheet 2.0**	Y	Documentation of Adoption
N	Additional W.S. 2.0 for Each Reservoir	N	**Worksheet 7.0**
N	Dam Safety Documents	N	Accounting Plan
N	Notice(s) to Governing Bodies	Y	**Worksheet 8.0**
N	Recorded Deeds for Inundated Land	Y	Fees
N	Consent for Inundated Land	Y	Public Involvement Plan

ADMINISTRATIVE INFORMATION REPORT

The following information **is required** for **all** new applications and amendments.

****Applicants are REQUIRED to schedule a pre-application meeting with TCEQ Staff to discuss Applicant's needs prior to submitting an application. Call the Water Rights Permitting Team to schedule a meeting at* (512) 239-4600.**

1. TYPE OF APPLICATION (Instructions, Page. 6)

Indicate, by marking X, next to the following authorizations you are seeking.

_____New Appropriation of State Water

X____Amendment to a Water Right *

_____Bed and Banks

If you are seeking an amendment to an existing water rights authorization, you must be the owner of record of the authorization. If the name of the Applicant in Section 2 does not match the name of the current owner(s) of record for the permit or certificate or if any of the co-owners is not included as an applicant in this amendment request, your application could be returned. If you or a co-applicant are a new owner, but ownership is not reflected in the records of the TCEQ, submit a change of ownership request (Form TCEQ-10204) prior to submitting the application for an amendment. See Instructions page. 6. Please note that an amendment application may be returned, and the Applicant may resubmit once the change of ownership is complete.

Please summarize the authorizations or amendments you are seeking in the space below or attach a narrative description entitled "Summary of Request."

East Rio Hondo Water Supply Corp. purchased 78.7 acre feet of municipal water rights from Harlingen Irrigation District. This water right has been assigned an account in the 23-831 accounts. ERHWSC wishes to sever these rights from 23-831 and merge them with 23-838 account including the place of use associated with 23-838. ERHWSC also wishes to change the point of diversion from the Harlingen Irrigation pump site to the Cameron County Irrigation District #2 pump site as they are the diverters for ERHWSC's water.

2. APPLICANT INFORMATION (Instructions, Page. 6)

a. Applicant

Indicate the number of Applicants/Co-Applicants 1
(Include a copy of this section for each Co-Applicant, if any)

What is the Full Legal Name of the individual or entity (applicant) applying for this permit?

East Rio Hondo Water Supply Corporation

(If the Applicant is an entity, the legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

CN : 600694988 (leave blank if you do not yet have a CN).

What is the name and title of the person or persons signing the application? Unless an application is signed by an individual applicant, the person or persons must submit written evidence that they meet the signatory requirements in *30 TAC § 295.14*.

First/Last Name: Brian Macmanus bemacmanus@erhwsc.com

Title: General Manager 956.748.2605

Have you provided written evidence meeting the signatory requirements in 30 TAC § 295.14, as an attachment to this application? **Y/N** Y

What is the applicant's mailing address as recognized by the US Postal Service (USPS)? You may verify the address on the USPS website at https://tools.usps.com/go/ZipLookupAction!input.action.

Name: East Rio Hondo Water Supply Corporation

Mailing Address: P.O. Box 621

City: Rio Hondo State: Texas ZIP Code: 78583

Indicate an X next to the type of Applicant:

___Individual	___Sole Proprietorship-D.B.A.
___Partnership	X Corporation
___Trust	___Estate
___Federal Government	___State Government
___County Government	___City Government
___Other Government	___Other_____

For Corporations or Limited Partnerships, provide:
State Franchise Tax ID Number: _____ SOS Charter (filing) Number: 306705

3. APPLICATION CONTACT INFORMATION (Instructions, Page. 9)

If the TCEQ needs additional information during the review of the application, who should be contacted? Applicant may submit their own contact information if Applicant wishes to be the point of contact.

First and Last Name: Wayne Halbert

Title: Consultant

Organization Name:

Mailing Address: 1401 Harpers Ferry Road

City: College Station State: Texas ZIP Code: 77845

Phone Number: 956-873-2816

Fax Number:

E-mail Addres [redacted]

4. WATER RIGHT CONSOLIDATED CONTACT INFORMATION (Instructions, Page. 9)

This section applies only if there are multiple Owners of the same authorization. Unless otherwise requested, Co-Owners will each receive future correspondence from the Commission regarding this water right (after a permit has been issued), such as notices and water use reports. Multiple copies will be sent to the same address if Co-Owners share the same address. Complete this section if there will be multiple owners and **all** owners agree to let one owner receive correspondence from the Commission. Leave this section blank if you would like all future notices to be sent to the address of each of the applicants listed in section 2 above.

I/We authorize all future notices be received on my/our behalf at the following:

First and Last Name: _____

Title: _____

Organization Name: _____

Mailing Address: _____

City: _____ State: _____ ZIP Code: _____

Phone Number: _____

Fax Number: _____

E-mail Address: _____

5. MISCELLANEOUS INFORMATION (Instructions, Page. 9)

a. The application will not be processed unless all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol by all applicants/co-applicants. If you need assistance determining whether you owe delinquent penalties or fees, please call the Water Rights Permitting Team at (512) 239-4600, prior to submitting your application.

1. Does Applicant or Co-Applicant owe any fees to the TCEQ? **Yes / No** No

   If **yes**, provide the following information:

   Account number: _____ Amount past due: _____

2. Does Applicant or Co-Applicant owe any penalties to the TCEQ? **Yes / No** No

   If **yes**, please provide the following information:

   Enforcement order number: _____ Amount past due: _____

b. If the Applicant is a taxable entity (corporation or limited partnership), the Applicant must be in good standing with the Comptroller or the right of the entity to transact business in the State may be forfeited. See Texas Tax Code, Subchapter F. Applicant's may check their status with the Comptroller at https://mycpa.cpa.state.tx.us/coa/
Is the Applicant or Co-Applicant in good standing with the Comptroller? **Yes / No** Yes

c. The commission will not grant an application for a water right unless the applicant has submitted all Texas Water Development Board (TWDB) surveys of groundwater and surface water use – if required. See TWC §16.012(m) and 30 TAC § 297.41(a)(5). Applicants should check survey status on the TWDB website prior to filing:
https://www3.twdb.texas.gov/apps/reports/WU_REP/SurveyStatus_PriorThreeYears
Applicant has submitted all required TWDB surveys of groundwater and surface water?
Yes / No Yes

6. SIGNATURE PAGE (Instructions, Page. 11)

Applicant:

I, Brian Macmanus General Manager
(Typed or printed name) (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under Title 30 Texas Administrative Code §295.14 to sign and submit this document and I have submitted written evidence of my signature authority.

Signature: _____ Date: 4-28-25
(Use blue ink)

Subscribed and Sworn to before me by the said

on this 28th day of April, 2025.

My commission expires on the 11th day of March, 2026.

Notary Public

AMANDA M. SANCHEZ
Notary Public, State of Texas
Comm. Expires 03-11-2026
Notary ID 128203889

[SEAL]

Cameron
County, Texas

If the Application includes Co-Applicants, each Applicant and Co-Applicant must submit an original, separate signature page

TECHNICAL INFORMATION REPORT
WATER RIGHTS PERMITTING

This Report is required for applications for new or amended water rights. Based on the Applicant's responses below, Applicants are directed to submit additional Worksheets (provided herein). A completed Administrative Information Report is also required for each application.

Applicants are REQUIRED to schedule a pre-application meeting with TCEQ Permitting Staff to discuss Applicant's needs and to confirm information necessary for an application prior to submitting such application. Please contact the Water Availability Division at (512) 239-4600 or WRPT@tceq.texas.gov to schedule a meeting.

Date of pre-application meeting: May 9, 2025

1. New or Additional Appropriations of State Water. Texas Water Code (TWC) § 11.121 (Instructions, Page. 12)

State Water is: *The water of the ordinary flow, underflow, and tides of every flowing river, natural stream, and lake, and of every bay or arm of the Gulf of Mexico, and the storm water, floodwater, and rainwater of every river, natural stream, canyon, ravine, depression, and watershed in the state. TWC § 11.021.*

a. Applicant requests a new appropriation (diversion or impoundment) of State Water? **Y / N** N

b. Applicant requests an amendment to an existing water right requesting an increase in the appropriation of State Water or an increase of the overall or maximum combined diversion rate? **Y / N** N (If yes, indicate the Certificate or Permit number:)

If Applicant answered yes to (a) or (b) above, does Applicant also wish to be considered for a term permit pursuant to TWC § 11.1381? **Y / N**

c. Applicant requests to extend an existing Term authorization or to make the right permanent? **Y / N** (If yes, indicate the Term Certificate or Permit number:)

If Applicant answered yes to (a), (b) or (c), the following worksheets and documents are required:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir requested in the application)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point and/or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach requested in the application)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees**
- **Fees calculated on Worksheet 8.0 –** see instructions **Page. 34.**
- **Maps –** See instructions **Page. 15**.
- **Photographs** - See instructions **Page. 30**.

Additionally, if Applicant wishes to submit an alternate source of water for the project/authorization, see Section 3, Page 3 for Bed and Banks Authorizations (Alternate sources may include groundwater, imported water, contract water or other sources).

Additional Documents and Worksheets may be required (see within).

2. Amendments to Water Rights. TWC § 11.122 (Instructions, Page. 12)

This section should be completed if Applicant owns an existing water right and Applicant requests to amend the water right. ***If Applicant is not currently the Owner of Record in the TCEQ Records, Applicant must submit a Change of Ownership Application (TCEQ-10204) prior to submitting the amendment Application or provide consent from the current owner to make the requested amendment. If the application does not contain consent from the current owner to make the requested amendment, TCEQ will not begin processing the amendment application until the Change of Ownership has been completed and will consider the Received Date for the application to be the date the Change of Ownership is completed.*** **See instructions page. 6.**

Water Right (Certificate or Permit) number you are requesting to amend: 23-838

Applicant requests to sever and combine existing water rights from one or more Permits or Certificates into another Permit or Certificate? **Y / N** Y (if yes, complete chart below):

List of water rights to sever	Combine into this ONE water right
23-831	23-838

a. Applicant requests an amendment to an existing water right to increase the amount of the appropriation of State Water (diversion and/or impoundment)? **Y / N** N

If yes, application is a new appropriation for the increased amount, complete ***Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water****.*

b. Applicant requests to amend existing Term authorization to extend the term or make the water right permanent (remove conditions restricting water right to a term of years)? **Y / N** N

If yes, application is a new appropriation for the entire amount, complete ***Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water****.*

c. Applicant requests an amendment to change the purpose or place of use or to add an additional purpose or place of use to an existing Permit or Certificate? **Y / N** Y
If yes, submit:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 1.2 - Notice: "Marshall Criteria"**

d. Applicant requests to change: diversion point(s); or reach(es); or diversion rate? **Y / N** Y
If yes, submit:

- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach)
- **Worksheet 5.0 – Environmental Information** (Required for <u>any</u> new diversion points that are not already authorized in a water right)

e. Applicant requests amendment to add or modify an impoundment, reservoir, or dam? **Y / N** N

If yes, submit: **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir)

f. Other - Applicant requests to change any provision of an authorization not mentioned above? **Y / N**N_____ *If yes, call the Water Availability Division at (512) 239-4600 to discuss.*

Additionally, all amendments require:

- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

3. Bed and Banks. TWC § 11.042 (Instructions, Page 13)

a. Pursuant to contract, Applicant requests authorization to convey, stored or conserved water to the place of use or diversion point of purchaser(s) using the bed and banks of a watercourse? TWC § 11.042(a). **Y/N**N_____

If yes, submit a signed copy of the Water Supply Contract pursuant to 30 TAC §§ 295.101 and 297.101. Further, if the underlying Permit or Authorization upon which the Contract is based does not authorize Purchaser's requested Quantity, Purpose or Place of Use, or Purchaser's diversion point(s), then either:

1. *Purchaser must submit the worksheets required under Section 1 above with the Contract Water identified as an alternate source; or*
2. *Seller must amend its underlying water right under Section 2.*

b. Applicant requests to convey water imported into the state from a source located wholly outside the state using the bed and banks of a watercourse? TWC § 11.042(a-1). **Y / N**N___

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps and fees from the list below.

c. Applicant requests to convey Applicant's own return flows derived from privately owned groundwater using the bed and banks of a watercourse? TWC § 11.042(b). **Y / N**N___

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

d. Applicant requests to convey Applicant's own return flows derived from surface water using the bed and banks of a watercourse? TWC § 11.042(c). **Y / N**N_

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, Maps, and fees from the list below.

****Please note, if Applicant requests the reuse of return flows belonging to others, the Applicant will need to submit the worksheets and documents under Section 1 above, as the application will be treated as a new appropriation subject to termination upon direct or indirect reuse by the return flow discharger/owner.***

e. Applicant requests to convey water from any other source, other than (a)-(d) above, using the bed and banks of a watercourse? TWC § 11.042(c). **Y / N**_____

If yes, submit worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

Worksheets and information:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir owned by the applicant through which water will be conveyed or diverted)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for the downstream limit of each diversion reach for the proposed conveyances)

- **Worksheet 4.0 – Discharge Information Worksheet** (for each discharge point)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps** – See instructions **Page. 15**.
- **Additional Documents and Worksheets may be required (see within).**

4. General Information, Response Required for all Water Right Applications (Instructions, Page 15)

a. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement (*not required for applications to use groundwater-based return flows*). Include citations or page numbers for the State and Regional Water Plans, if applicable. Provide the information in the space below or submit a supplemental sheet entitled "Addendum Regarding the State and Regional Water Plans":

This application is according to the requirements and provisions of Section 49.507(b), Texas Water Code. The changes required here are the result of a change of ownership due to the provisions of the above code and are completed by the severing of the transferred water right from 23-831 and adding to 23-838 and the provisions such as place of use associated with that account. The diversion point is necessary to be changed as the Cameron County Irrigation District #2 is East Rio Hondo Water Supply Corporations diverter. The application is consistent with the Regional and State Water Plans because there is nothing in the plans that conflict with the application.

b. Did the Applicant perform its own Water Availability Analysis? **Y** / **N** N

If the Applicant performed its own Water Availability Analysis, provide electronic copies of any modeling files and reports.

c. Does the application include required Maps? (**Instructions Page. 15**) **Y** / **N** Y

WORKSHEET 1.0
Quantity, Purpose and Place of Use

1. New Authorizations (Instructions, Page. 16)

Submit the following information regarding quantity, purpose and place of use for requests for new or additional appropriations of State Water or Bed and Banks authorizations:

Quantity (acre-feet) (*Include losses for Bed and Banks*)	**State Water Source (River Basin) or Alternate Source** *each *alternate source* (*and new appropriation based on return flows of others*) *also requires completion of Worksheet 4.0*	**Purpose(s) of Use**	**Place(s) of Use** **requests to move state water out of basin also require completion of Worksheet 1.1 Interbasin Transfer*

_____Total amount of water (in acre-feet) to be used annually (*include losses for Bed and Banks applications*)

If the Purpose of Use is Agricultural/Irrigation for any amount of water, provide:

a. Location Information Regarding the Lands to be Irrigated

i) Applicant proposes to irrigate a total of_____acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of_____acres in_____County, TX.

ii) Location of land to be irrigated: In the_____Original Survey No. _____, Abstract No.78583_____.

A copy of the deed(s) or other acceptable instrument describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds.

If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

2. Amendments - Purpose or Place of Use (Instructions, Page. 12)

a. Complete this section for each requested amendment changing, adding, or removing Purpose(s) or Place(s) of Use, complete the following:

Quantity (acre-feet)	Existing Purpose(s) of Use	Proposed Purpose(s) of Use*	Existing Place(s) of Use	Proposed Place(s) of Use**
78.7	M&D	MDI	Harlingen Irrigation District	East Rio Hondo Water Supply Corporation Service Area

**If the request is to add additional purpose(s) of use, include the existing and new purposes of use under "Proposed Purpose(s) of Use."*

***If the request is to add additional place(s) of use, include the existing and new places of use under "Proposed Place(s) of Use."*

Changes to the purpose of use in the Rio Grande Basin may require conversion. 30 TAC § 303.43.

b. For any request which adds Agricultural purpose of use or changes the place of use for Agricultural rights, provide the following location information regarding the lands to be irrigated:

i. Applicant proposes to irrigate a total of_____acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of_____acres in_____ County, TX.

ii. Location of land to be irrigated: In the_____Original Survey No. _____, Abstract No._____.

A copy of the deed(s) describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds. If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other legal right for Applicant to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

c. Submit Worksheet 1.1, Interbasin Transfers, for any request to change the place of use which moves State Water to another river basin.

d. See Worksheet 1.2, Marshall Criteria, and submit if required.

e. See Worksheet 6.0, Water Conservation/Drought Contingency, and submit if required.

WORKSHEET 1.1
INTERBASIN TRANSFERS, TWC § 11.085

Submit this worksheet for an application for a new or amended water right which requests to transfer State Water from its river basin of origin to use in a different river basin. A river basin is defined and designated by the Texas Water Development Board by rule pursuant to TWC § 16.051.

Applicant requests to transfer State Water to another river basin within the State? **Y / N**_____

1. Interbasin Transfer Request (Instructions, Page. 20)

a. Provide the Basin of Origin. Rio Grande

b. Provide the quantity of water to be transferred (acre-feet).

c. Provide the Basin(s) and count(y/ies) where use will occur in the space below:

Nueces-Rio Grande Coastal Basin

2. Exemptions (Instructions, Page. 20), TWC § 11.085(v)

Certain interbasin transfers are exempt from further requirements. Answer the following:

a. The proposed transfer, which in combination with any existing transfers, totals less than 3,000 acre-feet of water per annum from the same water right. **Y/N**_

b. The proposed transfer is from a basin to an adjoining coastal basin? **Y/N**___

c. The proposed transfer from the part of the geographic area of a county or municipality, or the part of the retail service area of a retail public utility as defined by Section 13.002, that is within the basin of origin for use in that part of the geographic area of the county or municipality, or that contiguous part of the retail service area of the utility, not within the basin of origin? **Y/N**__

d. The proposed transfer is for water that is imported from a source located wholly outside the boundaries of Texas, except water that is imported from a source located in the United Mexican States? **Y/N**__

3. Interbasin Transfer Requirements (Instructions, Page. 20)

For each Interbasin Transfer request that is not exempt under any of the exemptions listed above Section 2, provide the following information in a supplemental attachment titled "Addendum to Worksheet 1.1, Interbasin Transfer":

a. the contract price of the water to be transferred (if applicable) (also include a copy of the contract or adopted rate for contract water);

b. a statement of each general category of proposed use of the water to be transferred and a detailed description of the proposed uses and users under each category;

c. the cost of diverting, conveying, distributing, and supplying the water to, and treating the water for, the proposed users (example - expert plans and/or reports documents may be provided to show the cost);

d. describe the need for the water in the basin of origin and in the proposed receiving basin based on the period for which the water supply is requested, but not to exceed 50 years (the need can be identified in the most recently approved regional water plans. The state and regional water plans are available for download at this website: (http://www.twdb.texas.gov/waterplanning/swp/index.asp);

e. address the factors identified in the applicable most recently approved regional water plans which address the following:

(i) the availability of feasible and practicable alternative supplies in the receiving basin to the water proposed for transfer;
(ii) the amount and purposes of use in the receiving basin for which water is needed;

(iii) proposed methods and efforts by the receiving basin to avoid waste and implement water conservation and drought contingency measures;

(iv) proposed methods and efforts by the receiving basin to put the water proposed for transfer to beneficial use;

(v) the projected economic impact that is reasonably expected to occur in each basin as a result of the transfer; and

(vi) the projected impacts of the proposed transfer that are reasonably expected to occur on existing water rights, instream uses, water quality, aquatic and riparian habitat, and bays and estuaries that must be assessed under Sections 11.147, 11.150, and 11.152 in each basin *(if applicable*). If the water sought to be transferred is currently authorized to be used under an existing permit, certified filing, or certificate of adjudication, such impacts shall only be considered in relation to that portion of the permit, certified filing, or certificate of adjudication proposed for transfer and shall be based on historical uses of the permit, certified filing, or certificate of adjudication for which amendment is sought;

f. proposed mitigation or compensation, if any, to the basin of origin by the applicant; and

g. the continued need to use the water for the purposes authorized under the existing Permit, Certified Filing, or Certificate of Adjudication, if an amendment to an existing water right is sought.

WORKSHEET 1.2
NOTICE. "THE MARSHALL CRITERIA"

This worksheet assists the Commission in determining notice required for certain **amendments** that do not already have a specific notice requirement in a rule for that type of amendment, and *that do not change the amount of water to be taken or the diversion rate*. The worksheet provides information that Applicant **is required** to submit for amendments such as certain amendments to special conditions or changes to off-channel storage. These criteria address whether the proposed amendment will impact other water right holders or the on- stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

*This worksheet is **not required for Applications in the Rio Grande Basin** requesting changes in the purpose of use, rate of diversion, point of diversion, and place of use for water rights held in and transferred within and between the mainstems of the Lower Rio Grande, Middle Rio Grande, and Amistad Reservoir. See 30 TAC § 303.42.*

*This worksheet is **not required for amendments which are only changing or adding diversion points, or request only a bed and banks authorization or an IBT authorization**. However, Applicants may wish to submit the Marshall Criteria to ensure that the administrative record includes information supporting each of these criteria*

1. The "Marshall Criteria" (Instructions, Page. 21)

Submit responses on a supplemental attachment titled "Marshall Criteria" in a manner that conforms to the paragraphs (a) – (g) below:

a. Administrative Requirements and Fees. Confirm whether application meets the administrative requirements for an amendment to a water use permit pursuant to TWC Chapter 11 and Title 30 Texas Administrative Code (TAC) Chapters 281, 295, and 297. An amendment application should include, but is not limited to, a sworn application, maps, completed conservation plan, fees, etc.

b. Beneficial Use. Discuss how proposed amendment is a beneficial use of the water as defined in TWC § 11.002 and listed in TWC § 11.023. Identify the specific proposed use of the water (e.g., road construction, hydrostatic testing, etc.) for which the amendment is requested.

c. Public Welfare. Explain how proposed amendment is not detrimental to the public welfare. Consider any public welfare matters that might be relevant to a decision on the application. Examples could include concerns related to the well-being of humans and the environment.

d. Groundwater Effects. Discuss effects of proposed amendment on groundwater or groundwater recharge.

e. State Water Plan. Describe how proposed amendment addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement. The state and regional water plans are available for download at: http://www.twdb.texas.gov/waterplanning/swp/index.asp.

f. Waste Avoidance. Provide evidence that reasonable diligence will be used to avoid waste and achieve water conservation as defined in TWC § 11.002. Examples of evidence could include, but are not limited to, a water conservation plan or, if required, a drought contingency plan, meeting the requirements of 30 TAC Chapter 288.

g. Impacts on Water Rights or On-stream Environment. Explain how the proposed amendment will not impact other water right holders or the on-stream environment beyond and irrespectiveof the fact that the water right can be used to its full authorized amount.

WORKSHEET 2.0
Impoundment/Dam Information

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g., maps).

1. Storage Information (Instructions, Page. 21)

a. Official USGS name of reservoir, if applicable:_____

b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level:_____.

c. The impoundment is on-channel_____or off-channel_____(mark one)

   i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? **Y / N**_____
   ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? **Y / N**_

d. Is the impoundment structure already constructed? **Y / N**____

   i. For already constructed **on-channel** structures:

      1. Date of Construction:_____

      2. Was it constructed to be an exempt structure under TWC § 11.142? **Y / N**___
         a. If Yes, is Applicant requesting to proceed under TWC § 11.143? **Y / N**____
         b. If No, has the structure been issued a notice of violation by TCEQ? **Y / N**_____

      3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? **Y / N**___
         a. If yes, provide the Site No._____and watershed project name_____;
         b. Authorization to close "ports" in the service spillway requested? **Y / N**____

   ii. For **any** proposed new structures or modifications to structures:

      1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application.* Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? **Y / N**_____ Provide the date and the name of the Staff Person_____

      2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
         a. No additional dam safety documents required with the Application. **Y / N**_____
         b. Plans (with engineer's seal) for the structure required. **Y / N**_____
         c. Engineer's signed and sealed hazard classification required. **Y / N**_____
         d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. **Y / N**___

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? **Y / N**____

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level:_____.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. **Y/N**_____
If yes, the drainage area is_____sq. miles.
(*If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).*

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name):_____

b. Zip Code: _____

c. In the_____Original Survey No._____, Abstract No._____, _____County, Texas.

* ***A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude_____°N, Longitude_____°W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

i. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program):_____

ii. Map submitted which clearly identifies the Impoundment, dam (where applicable), andthe lands to be inundated. See instructions Page. 15. **Y / N**___

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g., maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. x Diversion Point No.
2. ____Upstream Limit of Diversion Reach No.
3. ____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point**_____cfs (cubic feet per second) or_____gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y / N**_____
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N**_____

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
☑	Directly from stream	Existing
☐	From an on-channel reservoir	
☐	From a stream to an on-channel reservoir	
☐	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y / N**_____

If yes, the drainage area is_____sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4600, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Rio Grande

b. Zip Code: 78586

c. Location of point: In the see map Original Survey No. _____, Abstract No. _____, _____ County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure.

For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 26.045047 °N, Longitude -97.755622 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): TCEQ

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 15.

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

WORKSHEET 4.0
DISCHARGE INFORMATION

This worksheet required for any requested authorization to discharge water into a State Watercourse for conveyance and later withdrawal or in-place use. Worksheet 4.1 is also required for each Discharge point location requested. **Instructions Page. 26.** ***Applicant is responsible for obtaining any separate water quality authorizations which may be required and for insuring compliance with TWC, Chapter 26 or any other applicable law.***

a. The purpose of use for the water being discharged will be_____.

b. Provide the amount of water that will be lost to transportation, evaporation, seepage, channel or other associated carriage losses_____(% or amount) and explain the method of calculation:_____

c. Is the source of the discharged water return flows? **Y / N**_____If yes, provide the following information:

1. The TPDES Permit Number(s)._____(attach a copy of the **current** TPDES permit(s))
2. Applicant is the owner/holder of each TPDES permit listed above? **Y / N**_____

PLEASE NOTE: If Applicant is not the discharger of the return flows, or the Applicant is not the water right owner of the underlying surface water right, or the Applicant does not have a contract with the discharger, the application should be submitted under Section 1, New or Additional Appropriation of State Water, as a request for a new appropriation of state water. If Applicant is the discharger, the surface water right holder, or the contract holder, then the application should be submitted under Section 3, Bed and Banks.

3. Monthly WWTP discharge data for the past 5 years in electronic format. (Attach and label as "Supplement to Worksheet 4.0").
4. The percentage of return flows from groundwater_____, surface water_____?
5. If any percentage is surface water, provide the base water right number(s)_____.

d. Is the source of the water being discharged groundwater? **Y / N**____ If yes, provide the following information:

1. Source aquifer(s) from which water will be pumped:_____
2. If the well has not been constructed, provide production information for wells in the same aquifer in the area of the application. See http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp. Additionally, provide well numbers or identifiers_____.
3. Indicate how the groundwater will be conveyed to the stream or reservoir.

4. A copy of the groundwater well permit if it is located in a Groundwater Conservation District (GCD) or evidence that a groundwater well permit is not required.

di. Is the source of the water being discharged a surface water supply contract? **Y / N**____
If yes, provide the signed contract(s).

dii. Identify any other source of the water_____

WORKSHEET 4.1
DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g., maps). **Instructions, Page 27.**

For water discharged at this location provide:

a. The amount of water that will be discharged at this point is_____acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.

b. Water will be discharged at this point at a maximum rate of_____cfs or_____gpm.

c. Name of Watercourse as shown on Official USGS maps: _____

d. Zip Code _____

e. Location of point: In the_____Original Survey No._____, Abstract No._____,_____County, Texas.

f. Point is at:

Latitude_____°N, Longitude_____°W.

Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

g. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program):_____

Map submitted must clearly identify each discharge point. See instructions Page. 15.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

1. Impingement and Entrainment

This section is required for any new diversion point that is not already authorized. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on any new diversion structure that is not already authorized in a water right). **Instructions, Page 28.**

2. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

This section is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins and in all basins for requests to change a diversion point. **Instructions, Page 30.**

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),

a. Identify the appropriate description of the water body.

☐ Stream

☐ Reservoir

Average depth of the entire water body, in feet: _____

☐ Other, specify: 306705

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

☐ Intermittent – dry for at least one week during most years

☐ Intermittent with Perennial Pools – enduring pools

☐ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☐ Non-contact recreation

e. Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the mapsubmitted with the application indicating the location of the photograph and the direction of the shot.

2. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

3. Alternate Sources of Water and/or Bed and Banks Applications

This section is required for applications using an alternate source of water and bed and banks applications in any basins. **Instructions, page 31.**

a. For all bed and banks applications:

   i. Submit an assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

b. For all alternate source applications:

   i. If the alternate source is treated return flows, provide the TPDES permit number_____

   ii. If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:
   Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L					
Chloride, mg/L					
Total Dissolved Solids, mg/L					
pH, standard units					
Temperature*, degrees Celsius					

* Temperature must be measured onsite at the time the groundwater sample is collected.

   iii. If groundwater will be used, provide the depth of the well_____and the name of the aquifer from which water is withdrawn_____.

WORKSHEET 6.0
Water Conservation/Drought Contingency Plans

This form is intended to assist applicants in determining whether a Water Conservation Plan and/or Drought Contingency Plans is required and to specify the requirements for plans. **Instructions, Page 31.**

The TCEQ has developed guidance and model plans to help applicants prepare plans. Applicants may use the model plan with pertinent information filled in. For assistance submitting a plan call the Resource Protection Team (Water Conservation staff) at 512-239-4600, or e-mail wras@tceq.texas.gov. The model plans can also be downloaded from the TCEQ webpage. ***Please use the most up-to-date plan documents available on the webpage.***

1. Water Conservation Plans

a. The following applications must include a completed Water Conservation Plan (30 TAC § 295.9) for each use specified in 30 TAC, Chapter 288 (municipal, industrial or mining, agriculture – including irrigation, wholesale):

1. Request for a new appropriation or use of State Water.

2. Request to amend water right to increase appropriation of State Water.

3. Request to amend water right to extend a term.

4. Request to amend water right to change a place of use.
   **does not apply to a request to expand irrigation acreage to adjacent tracts.*

5. Request to amend water right to change the purpose of use.
   **applicant need only address new uses.*

6. Request for bed and banks under TWC § 11.042(c), when the source water is State Water.
   **including return flows, contract water, or other State Water.*

b. If Applicant is requesting any authorization in section (1)(a) above, indicate each use for which Applicant is submitting a Water Conservation Plan as an attachment:

1. X Municipal Use. See 30 TAC § 288.2. **

2. _____ Industrial or Mining Use. See 30 TAC § 288.3.

3. _____ Agricultural Use, including irrigation. See 30 TAC § 288.4.

4. X Wholesale Water Suppliers. See 30 TAC § 288.5. **

If Applicant is a water supplier, Applicant must also submit documentation of adoption of the plan. Documentation may include an ordinance, resolution, or tariff, etc. See 30 TAC §§ 288.2(a)(1)(J)(i) and 288.5(1)(H). Applicant has submitted such documentation with each water conservation plan? **Y / N____

c. Water conservation plans submitted with an application must also include data and information which: supports applicant's proposed use with consideration of the plan's water conservation goals; evaluates conservation as an alternative to the proposed

appropriation; and evaluates any other feasible alternative to new water development. See 30 TAC § 288.7.
Applicant has included this information in each applicable plan? **Y / N** Y

2. Drought Contingency Plans

a. A drought contingency plan is also required for the following entities if Applicant is requesting any of the authorizations in section (1) (a) above – indicate each that applies:

1. X Municipal Uses by public water suppliers. See 30 TAC § 288.20.
2. ____ Irrigation Use/ Irrigation water suppliers. See 30 TAC § 288.21.
3. X Wholesale Water Suppliers. See 30 TAC § 288.22.

b. If Applicant must submit a plan under section 2(a) above, Applicant has also submitted documentation of adoption of drought contingency plan (*ordinance, resolution, or tariff, etc. See 30 TAC § 288.30*) **Y / N** Y

WORKSHEET 7.0
ACCOUNTING PLAN INFORMATION WORKSHEET

The following information provides guidance on when an Accounting Plan may be required for certain applications and if so, what information should be provided. An accounting plan can either be very simple such as keeping records of gage flows, discharges, and diversions; or, more complex depending on the requests in the application. Contact the Surface Water Availability Team at 512-239-4600 for information about accounting plan requirements, if any, for your application. **Instructions, Page 34.**

1. Is Accounting Plan Required

Accounting Plans are generally required:

- For applications that request authorization to divert large amounts of water from a single point where multiple diversion rates, priority dates, and water rights can also divert from that point;
- For applications for new major water supply reservoirs;
- For applications that amend a water right where an accounting plan is already required, if the amendment would require changes to the accounting plan;
- For applications with complex environmental flow requirements;
- For applications with an alternate source of water where the water is conveyed and diverted; and
- For reuse applications.

2. Accounting Plan Requirements

a. A **text file** that includes:

1. an introduction explaining the water rights and what they authorize;
2. an explanation of the fields in the accounting plan spreadsheet including how they are calculated and the source of the data;
3. for accounting plans that include multiple priority dates and authorizations, a section that discusses how water is accounted for by priority date and which water is subject to a priority call by whom; and
4. Should provide a summary of all sources of water.

b. A **spreadsheet** that includes:

1. Basic daily data such as diversions, deliveries, compliance with any instream flow requirements, return flows discharged and diverted and reservoir content;
2. Method for accounting for inflows if needed;
3. Reporting of all water use from all authorizations, both existing and proposed;
4. An accounting for all sources of water;
5. An accounting of water by priority date;
6. For bed and banks applications, the accounting plan must track the discharged water from the point of delivery to the final point of diversion;
7. Accounting for conveyance losses;
8. Evaporation losses if the water will be stored in or transported through a reservoir. Include changes in evaporation losses and a method for measuring reservoir content resulting from the discharge of additional water into the reservoir;
9. An accounting for spills of other water added to the reservoir; and
10. Calculation of the amount of drawdown resulting from diversion by junior rights or diversions of other water discharged into and then stored in the reservoir.

WORKSHEET 8.0
CALCULATION OF FEES

This worksheet is for calculating required application fees. Applications are not Administratively Complete until all required fees are received. **Instructions, Page. 34**

1. NEW APPROPRIATION

	Description	Amount ($)
Filing Fee	Circle fee correlating to the total amount of water* requested for any new appropriation and/or impoundment. Amount should match total on Worksheet 1, Section 1. Enter corresponding fee under **Amount ($).** In Acre-Feet a. Less than 100 $100.00 b. 100 - 5,000 $250.00 c. 5,001 - 10,000 $500.00 d. 10,001 - 250,000 $1,000.00 e. More than 250,000 $2,000.00	
Recording Fee		$25.00
Agriculture Use Fee	*Only for those with an Irrigation Use.* Multiply 50¢ x_____Number of acres that will be irrigated with State Water. **	
Use Fee	*Required for all Use Types, **excluding Irrigation Use.*** Multiply $1.00 x_____Maximum annual diversion of State Water in acre-feet. **	
Recreational Storage Fee	*Only for those with Recreational Storage.* Multiply $1.00 x_____acre-feet of in-place Recreational Use State Water to be stored at normal max operating level.	
Storage Fee	*Only for those with Storage, **excluding Recreational Storage.*** Multiply 50¢ x_____acre-feet of State Water to be stored at normal max operating level.	
Mailed Notice	Cost of mailed notice to all water rights in the basin. Contact Staff to determine the amount (512) 239-4600.	
	TOTAL	$

2. AMENDMENT *OR* SEVER AND COMBINE

	Description	Amount ($)
Filing Fee	Amendment: $100	
	OR Sever and Combine: $100 x 2 of water rights to combine	$200.00
Recording Fee		$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
	TOTAL INCLUDED	$ 212.50

3. BED AND BANKS

	Description	Amount ($)
Filing Fee		$100.00
Recording Fee		$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
	TOTAL INCLUDED	$

VG-818-2025-9722

Cameron County
Sylvia Garza-Perez
Cameron County Clerk

Instrument Number: 2025-9722

Real Property Recordings

Recorded On: March 24, 2025 12:11 PM

Number of Pages: 6

" Examined and Charged as Follows: "

Total Recording: $51.00

********** THIS PAGE IS PART OF THE INSTRUMENT **********
Any provision herein which restricts the Sale, Rental or use of the described REAL PROPERTY because of color or race is invalid and unenforceable under federal law.

File Information:

Document Number:	9722
Receipt Number:	20250324000091
Recorded Date/Time:	March 24, 2025 12:11 PM
User:	Rebecca S
Station:	CCLERK19_10

Record and Return To:

HARLINGEN IRRIG DIST 1
P.O. BOX 148

HARLINGEN TX 78551

STATE OF TEXAS
Cameron County
I hereby certify that this Instrument was filed in the File Number sequence on the date/time printed hereon, and was duly recorded in the Official Records of Cameron County, Texas

Sylvia Garza-Perez
Cameron County Clerk
Cameron County, TX

Water Rights Sales Contract

Grantor:	Harlingen Irrigation District Cameron County #1
Grantor's Mailing Address:	301 East Pierce Street Harlingen, Cameron County, Texas 78550-7068
Grantee:	East Rio Hondo Water Supply Corporation
Grantee's Mailing Address:	P.O. Box 621 Rio Hondo, Cameron County, Texas 78583
Consideration:	ONE HUNDRED SIXTY-TWO THOUSAND EIGHT HUNDRED FIFTY FOUR AND SEVENTY CENTS ($162,854.70) and other good and valuable consideration, the receipt, adequacy, and sufficiency of which are hereby acknowledged.

WHEREAS, in the Final Judgment in Cause No. 261, in the Court of Civil Appeals for the Thirteenth Judicial District of Texas, in the case styled, *The State of Texas v. Hidalgo County W.C. I.D. No. Eighteen,* 443 S.W.2d 829 (Tex.Civ.App.--Corpus Christ 1969, writ ref'd n.r.e.), there was awarded to Cameron County Water Control and Improvement District Number 1, currently known as Harlingen Irrigation District Cameron County #1, and for purposes of this document hereinafter referred to as "SELLER", a right to divert and use water from the Rio Grande for domestic, municipal, and agricultural use within the boundaries of Seller in Cameron County, Texas, as shown in the Final Judgement in said Cause, with reference to Court Number 149, Texas Water Commission Tract Number C- 41, and as further evidenced by Certificate of Adjudication No. 23-831 issued by the Texas Water Rights Commission and records of the Texas Commission of Environmental Quality, (successor to the Texas Water Rights Commission) to which reference is hereby made for all purposes; and,

WHEREAS, GRANTOR has excluded properties due to subdivision for non- agricultural purposes that qualify under the provisions of Sections 49.501 through 49.512, Texas Water Code, from January 1, 2024 through December 31, 2024, that yields an obligation for 78.7 acre feet of municipal use water rights, to be made available to East Rio Hondo Water Supply Corporation. By the provisions of Section 49.507(b), Texas Water Code, the Rio Grande Regional Water Authority set the true full market value for water in 2020 and 2021 at $3043.10 per acre foot for municipal water. As set aside by the legislation of 68% of the market value, the price per acre foot of municipal use water at this value is $2069.31.

WHEREAS, Harlingen Irrigation District Cameron County#1 has agreed to sell, convey, transfer, and assign to the East Rio Hondo Water Supply Corporation, Cameron County, Texas, hereinafter referred to as "GRANTEE", a portion of said water rights, amounting to a maximum of 78.7 acre feet of municipal water from the Rio Grande per year, measured at the Rio Grande, out of the said Certificate of Adjudication No. 23-831 and specifically subsequent Amendments to Certificate No. 23-831 and subject to the conditions as herein provided; and

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That Harlingen Irrigation District Cameron County#1, an irrigation district and political subdivision of the State of Texas, operating under the Texas Water Code, of Cameron County, Texas, in consideration of the sum of ONE HUNDRED SIXTY-TWO THOUSAND EIGHT HUNDRED FIFTY FOUR AND SEVENTY CENTS, ($162,854.70) and other good and valuable consideration, to it in hand paid by East Rio Hondo Water Supply Corporation, the receipt, adequacy, and sufficiency of which are hereby acknowledged, does hereby SELL, ASSIGN, TRANSFER AND CONVEY to GRANTEE a maximum of 78.7 acre feet of Rio Grande water per annum for municipal purposes out of those water rights evidenced by Certificate of Adjudication No. 23-831, as amended, as above referred to and described, (herein referred to as the "Water Rights").

GRANTOR does hereby expressly sever the Water Rights herein conveyed, from the remaining water rights held by the GRANTOR and no other rights of GRANTOR are hereby conveyed relating to said Certificate of Adjudication No. 23-831, as amended, or other water rights under the Judgment referred to above except the Water Rights herein conveyed, or any other properties of GRANTOR.

GRANTOR does hereby expressly authorize the Texas Commission on Environmental Quality, or such agency or governmental body or authority having jurisdiction over the subject matter hereof, to make such changes in the records as are necessary to accomplish the conveyance and transfer of the Water Rights hereby conveyed; and GRANTOR hereby agrees to execute such other instruments as shall be necessary and required by the Texas Commission on Environmental Quality or other applicable authority in regard hereto.

TO HAVE AND TO HOLD the Water Rights together with all and singular the rights and appurtenances thereto, and subject to the terms hereof, in anywise belonging unto GRANTOR, its successors and assigns, to warrant and forever defend all and singular the said Water Rights unto the said GRANTEE, and its successors and assigns, against every person whomsoever lawfully claiming the Water Rights by, through, or under GRANTOR.

[Remainder of page intentionally left blank]

GRANTOR:

HARLINGEN IRRIGATION DISTRICT CAMERON COUNTY#1

By: _____
Thomas E. McLemore
General Manager

Date: 3/24/2025

GRANTEE:

EAST RIO HONDO WATER SUPPLY CORPORATION

By: _____
Brian Macmanus
General Manager

Date: 03/11/2025

==========

THE STATE OF TEXAS §
§ **Acknowledgment**
COUNTY OF CAMERON §

The foregoing WATER RIGHTS SALES CONTRACT was acknowledged before me on the 24th day of March, 2025, by Thomas E. McLemore, General Manager of Harlingen Irrigation District Cameron County #1, Harlingen, Cameron, Texas, for the purposes and consideration therein expressed and in the capacity therein stated.

Nora Cariaga
Notary Public in and for
THE STATE OF TEXAS

NORA CARIAGA
Notary Public, State of Texas
My Commission Expires
November 14, 2027
NOTARY ID 132251542

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THE STATE OF TEXAS §
§ **Acknowledgment**
COUNTY OF CAMERON §

The foregoing WATER RIGHTS SALES CONTRACT was acknowledged before me on the 11th day of March, 2025, by Brian

Macmanus, General Manager of the East Rio Hondo Water Supply Corporation, Rio Hondo, Cameron, Texas.

AMANDA M. SANCHEZ
Notary Public, State of Texas
Comm. Expires 03-11-2026
Notary ID 128203889

Notary Public in and for
THE STATE OF TEXAS

==========

RETURN TO:

FILED FOR RECORD
AT 12:11 O'CLOCK P M

MAR 2 4 2025

SYLVIA GARZA-PEREZ
CAMERON COUNTY CLERK
DOC No 2025-9722
By R. Salas Deputy

CERTIFICATE OF RESOLUTIONS

Date: February 12, 2021

Corporation: East Rio Hondo Water Supply Corporation

Date of Adoption: February 8, 2021

I hereby certify that I am the Secretary/Treasurer of East Rio Hondo Water Supply Corporation (the "Corporation"), a Texas nonprofit corporation duly organized and existing under the laws of the State of Texas, and that the following is a true copy of a resolution duly adopted by the Board of Directors of said corporation at a meeting held the 8th day of February, 2021, at which meeting a quorum was present and acting throughout, and that such resolution has not been rescinded or modified and is in full force and effect:

> BE IT RESOLVED THE BOARD OF DIRECTORS OF East Rio Hondo Water Supply Corporation that both Brian E. Macmanus, P.E., General Manager, and Robert E. Middleton, Jr., President, are each hereby authorized and empowered in the name of the Corporation, and as its own act, to execute any and all documents necessary to effect the acquisition, sale, and/or other management of water rights on behalf of the Corporation for the purposes within its corporate authority, and to certify and attest to any documents which such officer may deem necessary and appropriate to consummate the transactions contemplated by this resolution, but such certification shall not be required for the validity of the particular document.
>
> BE IT FURTHER RESOLVED, that the resolutions, acts, and proceedings of the Board of Directors of East Rio Hondo Water Supply Corporation for the acquisition, sale, or other management of water rights for the Corporation for purposes within its corporate authority as shown by the records in the Minute Book of East Rio Hondo Water Supply Corporation, be the same hereby adopted, approved, ratified, and confirmed.

I further certify that the Corporation is duly organized and existing under the laws of the state of Texas, is qualified to do business here and is in good standing; that no proceeding is pending for the forfeiture of the certificate of incorporation or for the dissolution, voluntary or involuntary, of the Corporation; that there is no provision of the bylaws or articles of incorporation of the Corporation limiting the powers of the directors of the Corporation to adopt the resolution referred to above, and that the Certificate of Resolutions is in conformity with the provisions of the bylaws and the articles of incorporation of the Corporation; that the undersigned is the keeper of the records and minutes of the proceedings of the Corporation; and that the following persons constitute all of the directors of the Corporation:

Robert E. Middleton, Jr., President

Roque Rodriguez, Vice President

Tommie Sitton, Secretary/Treasurer

Santos Castillo

Frontis Newell

Charles Hervey

Carlos Castaneda

Jim Simmons

The undersigned hereby certifies that she is the duly elected and qualified Secretary/Treasurer of East Rio Hondo Water Supply Corporation and that the foregoing certificate of resolution is true and correct.

EAST RIO HONDO WATER SUPPLY CORP. TEXAS 1972

Tommi Sitton

Tommi Sitton, Secretary/Treasurer

STATE OF TEXAS §
§
COUNTY OF CAMERON §

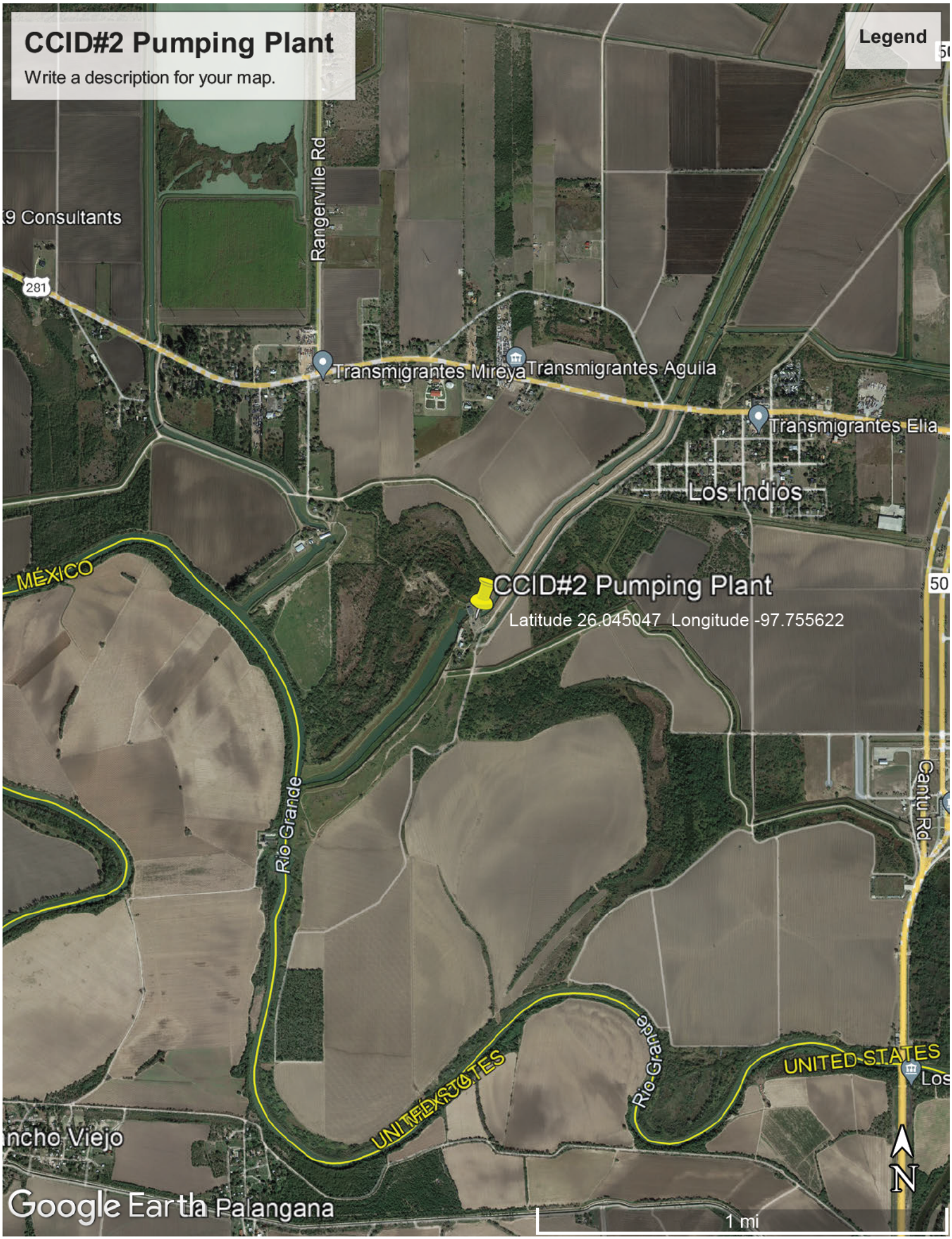
The foregoing instrument was acknowledged before me this 12th day of February, 2021, by Tommi Sitton, the Secretary/Treasurer of East Rio Hondo Water Supply Corporation, a Texas non-profit corporation.

NOTARY PUBLIC STATE OF TEXAS
AMANDA M SANCHEZ
Notary ID #128203889
My Commission Expires
March 11, 2022

Amanda M Sanchez

Notary Public, State of Texas

My Commission Expires: 3/11/2022


CCID#2 Pumping Plant
Write a description for your map.
Legend
Rangerville Rd
9 Consultants
281
Transmigrantes Mireya
Transmigrantes Aguila
Transmigrantes Elia
Los Indios
MÉXICO
CCID#2 Pumping Plant
Latitude 26.045047 Longitude -97.755622
50
Rio Grande
Cantu Rd
UNITED STATES
Rio Grande
UNITED STATES
ncho Viejo
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Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

☐ New Permit or Registration Application

☒ New Activity – modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

☐ Requires public notice,

☐ Considered to have significant public interest, **and**

☒ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.

☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

This amendment is required by the Chapter 49.507b and follows the mandates of the Final Judgment

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Amending the water right, severing from 23-831 account and merging with 23-838 account. Moving the point of diversion to the Cameron County Irrigation District #2 pump site and the place of use from the Harlingen Irrigation District service area to the East Rio Hondo Water Supply Corporations service area. All activities are mandated by Chapter 49.507b and follows the manadates of the Final Judgment in Cause No. 261, in the Court of Civil Appeals for the Thirteenth Judicial District of Texas, in the case styled, The State of Texas v. Hidalgo County W.C. I.D. No. Eighteen, 443 S.W.2d 829 (Tex.Civ.App.--Corpus Christ 1969, writ ref'd n.r.e.)

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)
Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☐ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

RESOLUTION OF THE EAST RIO HONDO WATER SUPPLY CORPORATION REGARDING THE APPROVAL OF REVISED FEBRUARY 2024 WATER CONSERVATION AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

STATE OF TEXAS	§
	§
COUNTY OF CAMERON	§
	§
EAST RIO HONDO WATER SUPPLY CORPORATION	§

WHEREAS, East Rio Hondo Water Supply Corporation is required by the Texas Water Code §11.1271, §11.1272, & Chapter 30 Texas Administrative Code §288.30 to complete a Water Conservation and Emergency Water Demand Management Plan and update the plan every five years; and

WHEREAS, East Rio Hondo Water Supply Corporation, desires to maintain compliance with the said Texas Water Code and Chapter 30 Texas Administrative Code in order to maintain eligibility for loan and grant funds from the Texas Water Development Board.

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE EAST RIO HONDO WATER SUPPLY CORPORATION THAT:

The East Rio Hondo Water Supply Corporation approves the attached revised February 2024 Water Conservation and Emergency Water Demand Management Plan.

Approved on this 12th day of February, 2024.

EAST RIO HONDO WATER SUPPLY CORP. 1972 TEXAS

Robert E. Middleton, Jr.
President, Board of Directors
East Rio Hondo Water Supply Corporation

ATTEST:

Roque Rodriguez
Secretary/Treasurer
East Rio Hondo Water Supply Corporation

EAST RIO HONDO WATER SUPPLY CORPORATION

WATER CONSERVATION AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

I. INTRODUCTION

A. GENERAL

East Rio Hondo Water Supply Corporation (ERHWSC) owns and operates the water supply, treatment, and distribution systems in its area covered by its designated Texas Commission on Environmental Quality Certificate of Convenience and Necessity #11552. One surface water treatment plant is located on the West side of Nelson Road approximately ½ mile south of FM 1561. A 2nd surface water treatment plant is located on the south side of FM 510 1.5 miles east of Nelson Road. Raw water is obtained from the Cameron County Irrigation District No. 2 (CCID2) for both plants. CCID2 transfers surface water from the Rio Grande River via pump stations, canals, and resacas. Currently, the Corporation has 5618.2712 acre-ft domestic/municipal/industrial Rio Grande River water rights available for its use through both contract and ownership. ERHWSC owns and operates a brackish groundwater reverse osmosis desalination facility located 3.5 miles west of Business 77 on the north side of SH 107. This facility currently produces up to 2.3 MGD.

The Corporation has experienced an average annual growth in meter counts of 2.96 percent over the last twenty-four years. Various cities and counties in the Rio Grande Valley have been affected by unreliable Amistad/Falcon Reservoir levels, due to a drought and ongoing water treaty noncompliance with the nation of Mexico. Since this trend is expected to continue or worsen into the foreseeable future, the Corporation must take action to conserve its raw water resources.

This plan outlines the Corporation's proposed Water Conservation and Emergency Water Demand Management Plan. The objective of the Water Conservation Plan is to reduce the quantity of potable water necessary for every waste consumption activity through the implementation of efficient water use practices, and to establish five and ten year targets for water savings to include goals for water loss programs and goals for municipal use in gallons per capita day. The Emergency Water Demand Plan provides procedures for enforcing voluntary and mandatory actions to be placed in effect, on a temporary basis, which are aimed at reducing the demand placed upon the Corporation's water supply system during a water shortage emergency and includes prohibition of certain undesirable or non-critical uses.

B. PLANNING AREA DESCRIPTION

The ERHWSC was created in the late 1970's to provide potable water supply for the rural residential areas of southern Willacy and northern Cameron County north of Rancho Viejo and FM 100, north of Primera and SH 107, east of Bass Boulevard in Cameron and Willacy County excluding the governmental entities of Combes, Primera, Harlingen, Los Fresnos, San Benito, Rio Hondo, Valley Municipal Utility District Number Two, and Laguna Madre Water District. The system covers approximately 407 square miles and has approximately 8,879 direct water service meters and 2,553 additional meter equivalents serviced by three wholesale accounts.

C. GOALS OF THE PROGRAM

The primary goal of the Water Conservation Plan is to achieve a reduction in per capita usage in water consumption. The reduction in demand will sustain current raw water supplies, reduce the quantity of water supplies required for the future, and lower the peak demand requirements of the distribution system. This reduction will allow for:

Reducing capital and operating costs of water system.
Prolonging the life of existing facilities.
Reducing the potential for water rationing associated with drought.
Reducing the need to acquire additional municipal water rights.

The secondary goal of the Water Conservation Plan is to establish alternative water supplies to the traditional surface water source of the Rio Grande River, thus ensuring a more long-term, diversified, and sustainable water portfolio.

1. FIVE-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 14%
b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 100 gpcd.
c. Residential Use: 100 gpcd

2. TEN-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 13.5%
b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 97.5 gpcd.
c. Residential Use: 97.5 gpcd.

D. UTILITY EVALUATION DATA

A detailed summary of utility evaluation data is included in Attachment "A" to this Report. At this time ERWSC has no Industrial use customers. If in the future ERHWSC does begin to serve industrial use customers, ERHWSC will, within ninety days, submit amendments to this Water Conservation Plan and the ERHWSC Drought Contingency Plan to cover industrial use.

II. WATER CONSERVATION PLAN

A. PLAN ELEMENTS

Of the variety of water conservation methods available to the Corporation, elements considered to be most critical in development of this plan include: outdoor water conservation practices, water conserving landscaping practices, indoor water conservation practices, elimination of water theft, more rapid leak detection and repair, and plumbing fixture retrofit.

The main categories of water conservation methods are:

Education and information.
Water conservation-oriented rate structure.
Universal metering.
Water conservation landscaping.
Rapid leak detection and repair.
Replacement of failing water lines.
Efficient treatment plant water utilization.
Implementation and enforcement.
Elimination of water theft.
Reservoir systems operations plan.

B. EDUCATION AND INFORMATION

1. GENERAL

The Corporation will promote water conservation through a public information program. The program will be based on literature available through the Texas Water Development Board, Texas Commission on Environmental Quality, American Waterworks Association, and private publishing companies. The public information program will be broken into two segments, Annual and New customer program. The information will also be made continually available on the Corporation website.

2. ANNUAL

The Annual program shall include providing water conservation brochures at the teller payment windows and drive-through payment window. These brochures are obtained from the sources noted above and will provide examples of water conservation methods. The educational material and articles will inform customers of methods to reduce water consumption both indoors and outdoors. Customers will be notified of the availability of the brochures in at least one annual mailing.

The conservation methods presented will include:

Outdoor savings hints.
Water savings hints.

Kitchen savings hints.
Bathroom savings hints.

In addition, ERHWSC will participate in distributing water conservation digital or printed literature to schools within the ERHWSC service area annually. This is an annual public education effort which will correspond with annual peak usage periods of spring and summer.

3. NEW CUSTOMERS

New customers to the Corporation's distribution system will receive initial conservation educational material that promotes the conservation of water as detailed in item 1 above.

4. RETROFIT PROGRAM

Water customers of structures which do not have water conserving plumbing devices will be encouraged, through the education program, to voluntarily install water savings fixtures and devices.

C. WATER CONSERVATION-ORIENTED RATE STRUCTURE

The Corporation's water rates encourage water conservation by using an inclining block rate structure. This reduces the total monthly consumption by discouraging high end or peak season usage. The water rate structure is included in the Utility Survey which is Attachment A. Since the unit cost for water increases with consumption, customers will effectively practice water savings measures to lower their water bill.

D. UNIVERSAL METERING

The Corporation currently has universal metering with all meters tested for accuracy of ±2.0%. In addition, a meter replacement program is underway to replace 960 meters per year until all meters have been upgraded to Kamstrup AMI meters. At 2.5% annual growth rate, it is anticipated that all meters will be AMI by 2027. The AMI meters have a 20-year life cycle. The new meters will provide for 24-hour water audits, as well as additional quarter-hour increments of flow to determine actual customer watering schedules, etc.

In addition, the Corporation will estimate and log all flush water used as this quantity is a significant amount with flushing required on a minimum monthly occurrence for dead end lines.

E. WATER CONSERVING LANDSCAPING

The public education program will include brochures and digital information obtained from sources noted above which provide suggestions on water saving landscaping, irrigation procedures, and soil modifications. These suggestions provide a wide range of water savings and maintenance procedures which have a major effect on the water use

outside the home.

F. LEAK DETECTION AND REPAIR

The Corporation pursues an active program of locating and repairing leaks. Currently, the program consists of leak location through visual detection. ERHWSC has replaced 99% of the steel carrier pipes in the distribution system with PVC pipes in steel casing. A program to replace original 1981 double disk gate valves with resilient seat gate valves was begun in 2010 and continues. ERHWSC has installed Kamstrup Acoustic Leak Detection (ALD) meters since Year 2022 to assist in quickly identifying leak locations with ALD software provided by Kamstrup. This program will be continued to a system-wide Automatic Meter Infrastructure (AMI) build-out and will eventually be utilized for district or zoned metering to more quickly narrow leakage locations.

G. REPLACEMENT OF FAILING WATER LINES

The corporation will GPS each leak on the distribution system and utilize layered mapping to identify problem areas where pipelines are failing and should be upgraded or replaced. Repetitively failing pipelines will be replaced as part of the ERHWSC capital plan.

H. EFFICIENT TREATMENT PLANT WATER UTILIZATION

The Corporation reuses water in its wastewater treatment plants chlorination process and basins' washdowns. Additional reuse will be considered if the proper situation arises. Recycling is practiced currently at the water treatment plants as decanted backwash and clarifier sludge waters are returned to the process or reservoir. Raw well water at North Cameron Regional Water Treatment Plant is used to dilute desalination brine before discharge to the receiving water body. This process can be controlled to minimize the volume of raw water utilized with variable frequency drives on pump motors and automated SCADA protocols, thus extending the life cycle of the acquifer.

I. PLAN ADOPTION AND IMPLEMENTATION (ENFORCEMENT)

The General Manager of the ERHWSC or his duly appointed representative will act as Administrator of the Water Conservation Plan. The Administrator will oversee the execution and implementation of the elements associated with the plan. The Administrator will also be responsible to oversee the maintenance of the records for program verification. The Administrator will review this plan as required not later than November 1, 2025, and every five years after that date to coincide with the regional water planning group.

<u>As a means of implementation of the Water Conservation Program, the Corporation will approve a resolution enacting the Water Conservation Plan</u>.

J. ELIMINATION OF WATER THEFT

The ERHWSC meter reading staff and distribution staff are continuously trained to look for theft of service. ERHWSC maintains a harsh penalty of $250 for meter tampering and charges theft of service at the full cost of water plus all staff expenses associated with identifying and stopping the theft. ERHWSC will prosecute violators of water theft if full reimbursement of all associated expenses and water costs are not paid.

K. ANNUAL REPORTING REQUIREMENTS

ERHWSC currently has a loan from the Texas Water Development Board. In addition to the duties described above, the Administrator will be responsible for submission of an annual report to the Executive Director of the Texas Water Development Board within 60 days of the anniversary date of the loan closing, throughout the life of the loan (25 years). The report will include the following elements:

Progress made in the implementation of the program.
Response to the Program by the public.
Quantitative effectiveness of the program.

L. WHOLESALE CONTRACTS WITH OTHERS

The Corporation currently has three contracts for water sales to other public water suppliers. The Corporation included and will, as part of any future contract for sale of water to an entity, require adoption by the entity of applicable provisions of ERHWSC's Water Conservation and Drought Contingency Plan in effect. These requirements include those political subdivisions that also contract wholesale water service.

M. COORDINATION WITH REGIONAL WATER PLANNING GROUP.

The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

N. RESERVOIR SYSTEMS OPERATIONS PLAN

The ERHWSC pumps water out of its FM 510 Water Treatment Plant reservoir on a daily basis to meet plant flow demands. Pumping into the reservoir from the Cameron County Irrigation District Two canal is conducted two days per week to minimize CCID2 system losses. ERHWSC does not operate any other reservoirs at this time.

III. RETAIL DROUGHT CONTINGENCY AND EMERGENCY WATER DEMAND MANAGEMENT PLAN

The following is taken directly from the Corporation Tariff, Section H.

SECTION H.
RETAIL DROUGHT CONTINGENCY
AND
EMERGENCY WATER DEMAND MANAGEMENT PLAN

1. ***Declaration of Policy, Purpose, and Intent.*** In order to conserve the available water supply and protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the East Rio Hondo Water Supply Corporation (ERHWSC) hereby adopts the following regulations and restrictions on the delivery and consumption of water. Water uses regulated or prohibited under this Drought Contingency Plan (the Plan) are considered to be non-essential and continuation of such uses during times of water shortage or other emergency water supply condition are deemed to constitute a waste of water.

2. ***Public Involvement***. Opportunity for the public to provide input into the preparation of the initial Plan was provided by the ERHWSC by means of providing public notice of a public meeting held on October 17, 2005, to accept input on the Plan. Additional public input opportunity was provided for during amendments presented at public meetings on July 10, 2006, May 14, 2007, August 11, 2008, March 11, 2013, November 9, 2020, February 8, 2021, July 18, 2022, September 12, 2022, and February 12, 2024.

3. ***Public Education.*** Upon initial ERHWSC Board approval of the plan, ERHWSC provided all customers written notification that the plan is completed. The notification addressed the water supply and financial impacts the plan would have upon the customers, and informed the customers of its availability upon request. The ERHWSC will periodically provide the public with information about the Plan, including any modifications and information about the conditions under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. This information will be provided by means of a mailing to each customer, statements on billing postcards, public announcements via radio and television, the ERHWSC website, and/or posting of conservation stages in public areas such as local U.S. Post Offices and the ERHWSC main office.

4. ***Coordination with Regional Water Planning Group.*** The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

5. ***Authorization***. The ERHWSC General Manager, or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that

such implementation is necessary to protect public health, safety, and welfare. The ERHWSC General Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

6. ***Application.*** The provisions of this Plan shall apply to all persons, customers, and property utilizing water provided by the ERHWSC. The terms "person" and "customer" as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

7. ***Definitions.*** For the purposes of this Plan**,** the following definitions shall apply:

Aesthetic water use -- water use for ornamental or decorative purposes such as fountains, reflecting pools, and water gardens.

Commercial and institutional water use -- water use, which is integral to the operations of commercial and non-profit establishments and governmental entities such as retail establishments, schools, hotels and motels, restaurants, and office buildings.

Conservation -- those practices, techniques, and technologies that reduce the consumption of water, reduce the loss or waste of water, improve the efficiency in the use of water or increase the recycling and reuse of water so that a supply is conserved and made available for future or alternative uses.

Customer -- any person, company, member, or organization using water supplied by ERHWSC.

Domestic water use -- water use for personal needs or for household or sanitary purposes such as drinking, bathing, heating, cooking, sanitation, or for cleaning a residence, business, industry, or institution.

Industrial water use -- the use of water in processes designed to convert materials of lower value into forms having greater usability and value. At this time ERWSC has no Industrial use customers. If in the future ERHWSC does begin to serve industrial use customers, ERHWSC will, within ninety days, submit amendments to this Water Conservation Plan and the ERHWSC Drought Contingency Plan to cover industrial use.

Landscape irrigation use -- water used for the irrigation and maintenance of landscaped areas, whether publicly or privately owned, including residential and commercial lawns, gardens, golf courses, parks, and rights-of-way and medians.

Non-essential water use -- water uses that are neither essential nor required for the protection of public, health, safety, and welfare, including:

a. use of water to wash down any sidewalks, walkways, driveways, parking lots, tennis courts, or other hard-surfaced areas;

b. use of water to wash down buildings or structures for purposes other than immediate fire protection;

c. flushing street gutters or permitting water to run or accumulate in any gutter or street;

d. failure to repair a controllable leak(s) within a reasonable period after having been given notice directing the repair of such leak(s).

8. ***Triggering Criteria for Initiation and Termination of Drought Response Stages.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Public notification of the initiation or termination of drought response stages shall be by means of direct mail to each customer, signs posted in public places, radio and television public announcements, email, and/or the ERHWSC website. Emergency water shortage conditions will be publicized via television and/or radio, the ERHWSC website, and the methods noted above as needed. The triggering criteria described below are based on an analysis of the vulnerability of the water source under previous drought conditions.

a. Stage 1 - Moderate Water Shortage Conditions

(1) Requirements for initiation - Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, defined in Section VII – Definitions, when (a) the Falcon and Amistad Reservoirs reach 30% of capacity as determined by the Texas Commission on Environmental Quality (TCEQ).

(b) Cameron County Irrigation District Number 2 (CCID2) or other irrigation district suppliers provide notice to ERHWSC that they will disallow farm irrigation water use within 60-90 days.

(2) Requirements for termination - Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days.

b. Stage 2 - Severe Water Shortage Conditions

(1) Requirements for initiation - Customers shall be required to comply with the requirements and restrictions on certain non-essential water uses for Stage 2 of this Plan when, (a) Cameron County Irrigation District Number 2 (CCID2) or other ERHWSC irrigation district suppliers disallow farm irrigation water use. (b) distribution system pressures fall below 35 psi requirements due to system demand for two consecutive days, or (c) ERHWSC consumer demand exceeds 85% of ERHWSC system capacity for 15 days out of any consecutive 30-day period.

(2) Requirements for termination - Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days. Upon termination of Stage 2, Stage 1 becomes operative.

d. Stage 3 - Emergency Water Shortage Conditions

(1) Requirements for initiation - Customers shall be required to comply with the requirements and restrictions for Stage 3 of this Plan when the ERHWSC General Manager, or his/her designee, determines that a water supply emergency exists based on: (a) major water line breaks, or pump or system failures occur, which cause loss of capability to provide water service; (b) natural or man-made

contamination of the water supply source(s); or (c) rapidly occurring low-pressure conditions (less than 20 psi) due to any reason.

(2) Requirements for termination – Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist. Upon termination of Stage 3, the General Manager will determine which Stage will follow.

e. Water Rationing

(1) Requirements for initiation - Customers shall be required to comply with the requirements and restrictions for Stages 2 and 3 of this Plan when these stages are declared to exist by the ERHWSC General Manager.

(2) Requirements for termination – Water use Best Management Practices (restrictions) may be rescinded when all of the conditions listed as triggering events for Stage 2 have ceased to exist for 30 consecutive days.

9. ***Drought Response Stages and Best Management Practices.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section 8 of the Plan, shall determine that a moderate, severe, or emergency condition exists and shall implement the following actions upon either direct mailing to ERHWSC members, posting at the ERHWSC main office, radio and television public announcements, and/or the ERHWSC website. The ERHWSC General Manager will notify via telephone the TCEQ, major water users, and critical water users (i.e. medical clinics) as determined as necessary. The TCEQ must be notified in writing within five business days of the implementation of any mandatory provisions of the Plan. Rate structure changes in Stages 2 & 3 will apply to billing following completion of the first full-service month after notification.

a. Stage 1 - Moderate Water Shortage Conditions

(1) Target: Achieve a voluntary reduction in daily water demand.

(2) Supply Best Management Practices: ERHWSC will manage limited water resources with the following measures:

(a) Recycle backwash water to the headworks of the surface water treatment plant or reservoir after decanting the settled water away from the settled sludge. This process eliminates the loss of the backwash water to evaporation or disposal. Minimize loss of brackish groundwater at NCRWTP for dilution and flushing purposes.

(b) Flushing of water mains will be conducted when customer complaints of taste and odor are reported, and to meet regulatory requirements of TCEQ.

(c) ERHWSC will be active in providing public education through public displays, ERHWSC website, mailings and/or water conservation education in local school districts.

(d) ERHWSC will proactively pursue alternative water sources to the Rio Grande River (such as brackish groundwater desalination) to avoid push-water system losses in the event of CCID2's planned or actual cessation of delivery of irrigation water to farmers.

(3) Voluntary Water Use Best Management Practices:

(a) Water customers are requested to voluntarily minimize the irrigation of landscaped areas and lawns;

(b) Water customers are requested to practice water conservation and to minimize or discontinue water use for non-essential purposes.

b. Stage 2 – Severe Water Shortage Conditions

(1) Target: Achieve a 10% average reduction in daily water demand.

(2) Supply Best Management Practices: All Supply Best Management Practices noted in Stage 1 above.

(3) Water Use Best Management Practices: Under threat of penalty for violation, the following water use Best Management Practices (restrictions) shall apply to all persons:

(a) Irrigation of landscaped or lawn areas with hose-end sprinklers or automatic or manual irrigation systems shall be limited to the hours of 12:00 midnight until 8:00 a.m. and between 8:00 p.m. and 12:00 midnight. However, irrigation of landscaped areas is permitted at any time if it is by means of a hand-held hose, a faucet filled bucket or watering can, or drip irrigation system.

(b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is allowed when done with a hand-held bucket or a hand-held hose equipped with a positive shutoff nozzle for quick rinses.

(c) Operation of any ornamental fountain or pond for aesthetic or scenic purposes is prohibited except where necessary to support aquatic life.

(d) Use of water from flush valves shall be limited to firefighting, related activities, or other activities necessary to maintain water quality, public health, safety, regulatory compliance, and welfare, except that use of water from designated flush valves for construction purposes may be allowed with meter service from the ERHWSC.

(e) Non-essential water uses should be eliminated.

(4) Water Rate Structure:

(a) The Water Rate Structure for meters shall be as follows:

Starting Value	Category Maximum	Cost $ per Thousand
	Base Usage	Base Rate
1 gal above Base	8,000 gal above Base	$ 3.50
8,001 gal above Base	18,000 gal above Base	$ 4.25
18,001 above Base	48,000 above Base	$ 6.25
48,001 above Base	Any greater usage	$ 7.00

(5) Water Rights Surcharge: In the event that TCEQ requires Cameron County Irrigation District #2 (CCID#2), or other irrigation district water suppliers to ERHWSC, to calculate push water volume in order to supply ERHWSC with raw water, and ERHWSC must purchase push water from other sources, then ERHWSC will pass the cost of the push water equally onto the Membership on a per service unit basis, based upon the number of service units in existence at the time of the assessment.

d. Stage 3 – Emergency Water Shortage Conditions

(1) Target: Minimize all water use to maintain system pressure above 20 psi as required for public health, safety, and welfare, until system repairs or source water contamination is eliminated.

(2) Supply Best Management Practices:

(a) Interconnections with other water utility systems will be utilized to the maximum extent possible. These interconnections include Harlingen Waterworks System, Olmito Water Supply Corporation, and the City of Los Fresnos. It is possible to make additional emergency connections with the City of Los Fresnos and Southmost Regional Water Authority if conditions require such action.

(b) Emergency supplies for repair of water lines of all sizes and valves in the distribution system and water plants are maintained in stock for use.

(c) Back-up raw water, chemical feed, and high service pumps are maintained in running condition at the water plants at all times. Monthly maintenance is conducted on all other equipment as recommended in the owner's manual. Emergency generators are installed at surface water treatment plants to provide backup power supply in the event of loss of power from Magic Valley Electric Cooperative.

(d) ERHWSC will attempt to notify all major water users of emergency conditions and request water usage to be minimized.

(e) ERHWSC will continually pursue alternative water sources to the delivery of Rio Grande River water by CCID2, due to the lingering threat of push-water scenarios. Alternate supplies can include regional or local brackish groundwater desalination projects.

(3) Water Use Best Management Practices: All requirements of Stage 2 shall remain in effect during Stage 3 except:

(a) Irrigation of landscaped areas is absolutely prohibited.

(b) Use of water to wash any motor vehicle, motorbike, boat, trailer, airplane or other vehicle is absolutely prohibited.

(c) The filling, refilling, or adding of water to swimming pools, wading pools, and Jacuzzi-type pools is prohibited.

(4) Water Rate Structure: The water rate structure under Stage 3 will not change from the previously existing stage, since this stage is for short-term emergencies only.

10. ***Enforcement.***

a. **Violations** –Members found to be in violation of Stage 2 or 3 of this Plan will be notified by the ERHWSC General Manager or his designee in writing. The written notice will contain the specific violation, date and time the violation was recorded, and will put the customer on notice that any subsequent violation will result in their meter being shut off and padlocked. Services discontinued under such circumstances shall be restored only upon payment of a re-connection charge, hereby established at seventy-five dollars ($75.00) and any other costs incurred by the ERHWSC in discontinuing service. In addition, the customer, whose water service is disconnected after two separate offenses, must give suitable assurance to ERHWSC that the same action shall not be repeated while the Plan is in effect. After water service is disconnected for two

distinct violations, any further distinct violations will result in water service being disconnected immediately. The ERHWSC will reestablish water service after a one hundred and fifty dollars ($150) reconnection charge is paid, the customer's account is cleared of all debts owed to ERHWSC, and the ERHWSC determines that the violations will not reoccur.

b. Any member of ERHWSC that owns property where a violation occurs or originates shall be presumed to be the violator. Members shall be presumed to be responsible for violations by their minor children, tenants, guests, children, or family members.

11. ***Variances.*** The ERHWSC General Manager, or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

a. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.

b. Alternative methods can be implemented which will achieve the same level of reduction in water use.

c. Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the ERHWSC within 15 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the ERHWSC General Manager or his/her designee, and shall include the following:

(1) Name and address of the petitioner(s).

(2) Purpose of water use.

(3) Specific provision(s) of the Plan from which the petitioner is requesting relief.

(4) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Plan.

(5) Description of the relief requested.

(6) Period of time for which the variance is sought.

(7) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.

(8) Other pertinent information.

d. Variances granted by the ERHWSC shall be subject to the following conditions, unless waived or modified by the ERHWSC General Manager or his/her designee:

(1) Variances granted shall include a timetable for compliance.

(2) Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

(3) No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

12. ***Severability.*** It is hereby declared to be the intention of the ERHWSC Board of Directors that the sections, paragraphs, sentences, clauses, and phrases of this Section are severable and, if any phrase, clause, sentence, paragraph, or section of this Plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such

unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Plan, since the same would not have been enacted by the ERHWSC Board of Directors without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

EAST RIO HONDO WATER SUPPLY CORPORATION

<u>WHOLESALE</u> WATER CONSERVATION
&
EMERGENCY WATER DEMAND MANAGEMENT PLAN

I. INTRODUCTION

A. GENERAL

East Rio Hondo Water Supply Corporation's (ERHWSC) owns and operates the water supply, treatment, and distribution systems in its area covered by its designated Texas Commission on Environmental Quality Certificate of Convenience and Necessity #11552. A detailed description of the service area, population, and customer data, water use data, water supply system data, and wastewater data are included in the ERHWSC Retail Water Conservation Plan.

This Appendix outlines the Corporation's proposed Wholesale Water Conservation and Emergency Water Demand Management Plan. The objective of the Wholesale Water Conservation Plan is to reduce the quantity of potable water necessary for every waste consumption activity related to wholesale water customers through the promotion of efficient water use practices.

B. PLANNING AREA DESCRIPTION

The ERHWSC was created in the late 1970's to provide potable water supply for the rural residential areas of southern Willacy and northern Cameron County north of Rancho Viejo and FM 100, north of Primera and SH 107, east of Bass Boulevard in Cameron and Willacy County excluding the governmental entities of Combes, Primera, Harlingen, Los Fresnos, San Benito, Rio Hondo, Valley Municipal Utility District Number Two, and Laguna Madre Water District. The system covers approximately 407 square miles and has approximately 8,879 direct water service meters and 2,553 additional meter equivalents serviced by three wholesale accounts. These wholesale accounts include; The Town of Indian Lake, Military Highway Water Supply Corporation, and the Department of Homeland Security, Port Isabel Detention Center.

C. GOALS OF THE PROGRAM

The primary goal of the Water Conservation Plan is to achieve a reduction in per capita usage in water consumption. The reduction in demand will sustain current raw water supplies, reduce the quantity of water supplies required for the future, and lower the peak demand requirements of the distribution system. This reduction will allow for:

Reducing capital and operating costs of water system.
Prolonging the life of existing facilities and assets.
Reducing the potential for water rationing associated with drought.

The secondary goal of the Water Conservation Plan is to establish alternative water supplies to the traditional surface water source of the Rio Grande River, thus ensuring a more long-term, diversified, and sustainable water portfolio.

1. FIVE-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 14%

b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 100 gpcd.

2. TEN-YEAR WATER SAVINGS TARGET

a. Water Loss Program: Maintain water loss 5-year average below 13.5%

b. Municipal Use: Reduce municipal use 5-year average, in gallons per capita per day to 97.5 gpcd.

D. UNIVERSAL METERING

1. GENERAL.

The Corporation currently has universal metering with all meters tested for accuracy of ±2.0%. In addition, a meter replacement program is underway to replace 960 meters per year until all meters have been upgraded to Kamstrup AMI meters. At 2.5% annual growth rate, it is anticipated that all meters will be AMI by 2027. The AMI meters have a 20-year life cycle. The new meters will provide for 24-hour water audits, as well as additional quarter-hour increments of flow to determine actual customer watering schedules, etc.

In addition, the Corporation will estimate and log all flush water used as this quantity is a significant amount with flushing required on a minimum monthly occurrence for dead end lines.

2. LOCATIONS.

Raw, treated, and sold water are measured via venturi, propeller, turbine, magnetic, or differential pressure meters. Total deliveries, or sold water, are calculated monthly by adding all metered water sales together. System losses are calculated by determining the difference between monthly total of plant treated water and monthly sold water totals.

3. LEAK DETECTION & REPAIR

The Corporation will estimate and log all flush water used as this quantity is a significant amount with flushing required on a minimum monthly occurrence for dead end lines. Leaks are identified by ERHWSC employees and customers. Leaks are fixed in the order of most significant water loss, and are repaired as rapidly as feasible.

II. WATER CONSERVATION PLAN

A. PLAN ELEMENTS

Of the variety of water conservation methods available to the Corporation, elements considered to be most critical in development of this plan include: outdoor water conservation practices, water conserving landscaping practices, indoor water conservation practices, elimination of water theft, more rapid leak detection and repair, and plumbing fixture retrofit. As ERHWSC does not currently have contracts with two of its wholesale customers, the general approach is to provide education and guidance to promote water conservation.

B. EDUCATION AND INFORMATION

1. GENERAL

The Corporation's wholesale customers will be requested to promote water conservation through a public information program. The program should be based on literature available through the Texas Water Development Board, Texas Commission on Environmental Quality, American Waterworks Association, and private publishing companies. The public information program should be broken into two segments, Annual and New customer program. The information should also be made continually available on the wholesale customers' websites.

2. ANNUAL

The Annual program is recommended to include providing water conservation brochures at the teller payment windows and drive-through payment window. These brochures can be obtained from the sources noted above and will provide examples of water conservation methods. The educational material and articles will inform customers of methods to reduce water consumption both indoors and outdoors. Customers should be notified of the availability of the brochures in at least one annual mailing.

The conservation methods presented should include:

Outdoor savings hints.
Water savings hints.
Kitchen savings hints.
Bathroom savings hints.

In addition, wholesale customers will be encouraged to participate in distributing water conservation printed literature to schools within their service area annually. This should be an annual public education effort which should correspond with annual peak usage periods of spring and summer.

C. RETROFIT PROGRAM

Water customers of structures which do not have water conserving plumbing devices should be encouraged, through the wholesale customers' education programs, to voluntarily install water savings fixtures and devices.

D. WATER CONSERVING LANDSCAPING

The public education program should include brochures and digital information obtained from sources noted above which provide suggestions on water saving landscaping, irrigation procedures, and soil modifications. These suggestions provide a wide range of water savings and maintenance procedures which have a major effect on the water use outside the home.

E. LEAK DETECTION AND REPAIR

The Corporation pursues an active program of locating and repairing leaks. Currently, the program consists of leak location through visual detection. ERHWSC has replaced 99% of the steel carrier pipes in the distribution system with PVC pipes in steel casing. A program to replace double disk gate valves with resilient seat gate valves was begun in 2010 and continues. ERHWSC has installed Kamstrup Acoustic Leak Detection (ALD) meters since Year 2022 to assist in quickly identifying leak locations with ALD software provided by Kamstrup. This program will be continued to a system-wide Automatic Meter Infrastructure (AMI) build-out and will eventually be utilized for district or zoned metering to more quickly narrow leakage locations.

F. CONTRACTUAL OBLIGATIONS

ERHWSC will have a requirement in every water supply contract entered into or renewed after official adoption of the water conservation plan, and including any contract extension, that each successive wholesale customer develop and implement a water conservation plan or water conservation measures using the applicable elements of 30 TAC Chapter 288.

G. RESERVOIR OPERATIONS PLAN

The ERHWSC pumps water out of its FM 510 Water Treatment Plant reservoir on a daily basis to meet plant flow demands. Pumping into the reservoir from the Cameron County Irrigation District Two canal is conducted two days per week to minimize CCID2 system losses. ERHWSC does not operate any other reservoirs at this time.

H. PLAN ADOPTION AND IMPLEMENTATION (ENFORCEMENT)

The General Manager of the ERHWSC or his duly appointed representative will act as Administrator of the Wholesale Water Conservation Plan. The Administrator will oversee the execution and implementation of the elements associated with the plan. The Administrator will also be responsible to oversee the maintenance of the records for

program verification. The Administrator will review this plan as required not later than May 1, 2019, and every five years after that date to coincide with the regional water planning group.

As a means of implementation of the Water Conservation Program, the Corporation will approve a resolution enacting the Water Conservation Plan.

I. COORDINATION WITH REGIONAL WATER PLANNING GROUP.

The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

J. ADDITIONAL CONSERVATION STRATEGIES.

ERHWSC will encourage all wholesale water customers to have a conservation-oriented rate structure and to practice similar water conservation measures to those in the ERHWSC Retail Water Conservation Plan.

III. WHOLESALE DROUGHT CONTINGENCY AND EMERGENCY WATER DEMAND MANAGEMENT PLAN. *The following was taken directly from the ERHWSC Tariff Section I.*

SECTION I.
WHOLESALE DROUGHT CONTINGENCY
AND
EMERGENCY WATER DEMAND MANAGEMENT PLAN

1. ***Declaration of Policy, Purpose, and Intent.*** In order to conserve the available water supply and/or to protect the integrity of water supply facilities, with particular regard for domestic water use, sanitation, and fire protection, and to protect and preserve public health, welfare, and safety and minimize the adverse impacts of water supply shortage or other water supply emergency conditions, the East Rio Hondo Water Supply Corporation (ERHWSC) adopts the following Wholesale Drought Contingency and Emergency Water Demand Management Plan (the Plan).

2. ***Public Involvement***. Opportunity for the public and wholesale water customers to provide input into the preparation of the original Plan was provided by ERHWSC by means of posting notice of the public meeting for adoption of the plan, and providing printed copies to the wholesale customers before adoption. Additional public and wholesale water customer input opportunity was provided for via public meeting notice for amendment at ERHWSC Board of Directors meeting on March 11, 2013 February 8, 2021, July 18, 2022, September 12, 2022, and February 12, 2024.

3. ***Wholesale Water Customer Education***. The ERHWSC will periodically provide wholesale water customers with information about the Plan, including information about the conditions

under which each stage of the Plan is to be initiated or terminated and the drought response measures to be implemented in each stage. Wholesale water customers have been provided a copy of the Plan.

4. ***Coordination with Regional Water Planning Group.*** The service area of the ERHWSC is located within the Rio Grande Regional Water Planning Group (Region M) and ERHWSC has provided a copy of this Plan to the Rio Grande Valley Development Council and the Rio Grande Valley Regional Water Planning Group (Region M).

5. ***Authorization***. The ERHWSC General Manager, or his/her designee is hereby authorized and directed to implement the applicable provisions of this Plan upon determination that such implementation is necessary to protect public health, safety, and welfare. The ERHWSC General Manager or his/her designee shall have the authority to initiate or terminate drought or other water supply emergency response measures as described in this Plan.

6. ***Application.*** The provisions of this Plan shall apply to all wholesale customers utilizing water provided by the ERHWSC. The terms person and customer as used in the Plan include individuals, corporations, partnerships, associations, and all other legal entities.

7. ***Triggering Criteria for Initiation and Termination of Drought Response Stages.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a monthly basis and shall determine when conditions warrant initiation or termination of each stage of the Plan. Public notification of the initiation or termination of drought response stages shall be by direct mail and/or email to each wholesale customer. The triggering criteria described below are based on an analysis of the vulnerability of the water source under previous drought conditions.

    a. Stage 1 - Moderate Water Shortage Conditions

        (1) Requirements for initiation - Customers shall be requested to voluntarily conserve water and adhere to the prescribed restrictions on certain water uses, when (a) the Falcon and Amistad Reservoirs reach 30% of capacity as determined by the Texas Commission on Environmental Quality (TCEQ).
        (b) Cameron County Irrigation District Number 2 (CCID2) or other irrigation district suppliers provide notice to ERHWSC that they will disallow farm irrigation water use within 60-90 days.
        (2) Requirements for termination - Stage 1 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days.

    b. Stage 2 - Severe Water Shortage Conditions

        (1) Requirements for initiation - Customers shall be required to comply with the requirements for Stage 2 of this Plan when (a) Cameron County Irrigation District Number 2 (CCID2) or other ERHWSC irrigation district water suppliers disallow farm irrigation water use, (b) distribution system pressures fall below 35 psi requirements due to system demand for two consecutive days, or (c)

ERHWSC consumer demand exceeds 85% of ERHWSC system capacity for 15 days out of any consecutive 30-day period.

(2) Requirements for termination - Stage 2 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist for a period of 30 consecutive days. Upon termination of Stage 2, the General Manager will determine which Stage, if any, will follow.

d. Stage 3 - Emergency Water Shortage Conditions

(1) Requirements for initiation - Customers shall be required to comply with the requirements for Stage 3 of this Plan when the ERHWSC General Manager, or his/her designee, determines that a water supply emergency exists based on: (a) major water line breaks, or pump or system failures occur, which cause unprecedented loss of capability to provide water service; (b) natural or man-made contamination of the water supply source(s); or (c) rapidly occurring low-pressure conditions (less than 20 psi) due to any reason.

(2) Requirements for termination – Stage 3 of the Plan may be rescinded when all of the conditions listed as triggering events have ceased to exist. Upon termination of Stage 3, the General Manager will determine which Stage, if any, will follow.

8. ***Drought Response Stages.*** The ERHWSC General Manager, or his/her designee, shall monitor water supply and/or demand conditions on a daily basis and, in accordance with the triggering criteria set forth in Section 8 of the Plan, shall determine that a moderate, severe, or emergency condition exists and shall implement the following actions upon written notice to wholesale customers. The ERHWSC General Manager will notify the TCEQ for Stage 2 or 3 as necessary.

a. Stage 1 - Moderate Water Shortage Conditions

(1) Target: Achieve a voluntary reduction in daily water demand so that the annual average gallons per capita per day for wholesale customers is below 115.

(2) Supply Management Measures: ERHWSC will manage limited water resources with the following measures:

(a) Recycle backwash water to the headworks of the surface water treatment plant or reservoir after decanting the settled water away from the settled sludge. This process eliminates the loss of the backwash water to evaporation or disposal. Minimize loss of brackish groundwater at NCRWTP for dilution and flushing purposes.

(b) Flushing of water mains will be conducted only when customer complaints of taste and odor are reported, when insufficient chlorine residuals are measured near the flush valve, or TCEQ regulations require otherwise.

(c) ERHWSC will be active in providing public education through public displays, ERHWSC website, mailings, and/or water conservation education in local school districts when invited.

(d) ERHWSC will proactively pursue alternative water sources to the Rio Grande River (such as brackish groundwater desalination) to avoid push-water system losses in the event of CCID2's planned or actual cessation of delivery of irrigation water to farmers.

(3) Demand Management Measures: The ERHWSC General Manager, or his/her designee(s), will contact wholesale water customers to discuss water supply and/or demand conditions and will request that wholesale water customers initiate voluntary water use restrictions similar to those listed under Stage 1 of the ERHWSC Retail Drought Contingency Plan.

b. Stage 2 – Severe Water Shortage Conditions

(1) Target: Reduce daily water demand to point that only Stage 1 is applicable.

(2) Supply Management Measures: All Supply Management measures noted in Stage 1 above.

(3) Demand Management Measures: The ERHWSC General Manager, or his/her designee(s), will notify wholesale water customers in writing and request the wholesale customer implement mandatory measures for water conservation similar to those listed under Stage 2 of the ERHWSC Retail Drought Contingency Plan. Customers will be notified in writing when Stage 2 is terminated.

(4) Water Rights Surcharge: In the event that TCEQ requires CCID2, or any other irrigation district water suppliers to ERHWSC, to calculate push water volume in order to supply ERHWSC with raw water, and ERHWSC must purchase push water from other sources, then ERHWSC will pass the cost of the push water equally onto all ERHWSC customers. A wholesaler's percentage of the push water surcharge will be based upon the wholesaler's total number of equivalent service units in proportion to the total number of equivalent service units being served by ERHWSC.

d. Stage 3 – Emergency Water Shortage Conditions

(1) Target: Minimize all water use to only that required for public health, safety, and welfare, until system repairs or source water contamination is eliminated.

(2) Supply Management Measures:

(a) Interconnections with other water utility systems will be utilized to the maximum extent possible. These interconnections include Harlingen Waterworks System, Olmito Water Supply Corporation, and the City of Los Fresnos. It is possible to make additional emergency connections with the City of Los Fresnos, and Southmost Regional Water Authority if conditions required such action.

(b) Emergency supplies for repair of water lines of all sizes and valves in the distribution system and water plant are maintained in stock for use.

(c) Back-up raw water, chemical feed, and high service pumps are maintained in running condition at the water plants at all times. Monthly maintenance is conducted on all other equipment as recommended in the owner's manual. Emergency generators are installed at surface water treatment plants to provide backup power supply in the event of loss of power from Magic Valley Electric Cooperative.

(d) ERHWSC will attempt to notify all major water users of emergency conditions and request water usage to be eliminated or minimized.

(e) ERHWSC will continually pursue alternative water sources to the delivery of Rio Grande River water by CCID2, due to the lingering threat of push-water scenarios. Alternate supplies can include regional or local brackish groundwater desalination projects.

(3) Demand Management Measures: Whenever emergency water shortage conditions exist as defined in Section 7 of the Plan, the ERHWSC General Manager or his/her designee shall:

(a) Assess the severity of the problem and identify the actions needed and time required to solve the problem.

(b) Inform the utility director or other responsible official of each wholesale water customer by telephone or in person and suggest actions, as appropriate, to alleviate problems (e.g., notification of the public to reduce water use until service is restored).

(c) If appropriate, notify city, county, and/or state emergency response officials for assistance. Notify the news media as necessary to protect the public health and request reduction in water usage.

(d) Undertake necessary actions, including repairs and/or clean-up as needed.

e. Pro Rata Curtailment of Water Deliveries

(1) Contracts: ERHWSC shall include a provision in every wholesale water contract entered into or renewed after adoption of the plan, including contract extensions, that in case of a shortage or insufficient supply of water resulting from drought, the water to be distributed shall be divided in accordance with Texas Water Code, §11.039.

(2) No Contracts: As a condition of service, ERHWSC will require pro rata curtailment of water deliveries, in case of a shortage or insufficient supply of water resulting from drought, to non-contract wholesale customers as provided in Texas Water Code, §11.039.

9. ***Variances.*** The ERHWSC General Manager, or his/her designee, may, in writing, grant temporary variance for existing water uses otherwise prohibited under this Plan if it is determined that failure to grant such variance would cause an emergency condition adversely affecting the health, sanitation, or fire protection for the public or the person requesting such variance and if one or more of the following conditions are met:

a. Compliance with this Plan cannot be technically accomplished during the duration of the water supply shortage or other condition for which the Plan is in effect.

b. Alternative methods can be implemented which will achieve the same level of reduction in water use.

c. Persons requesting an exemption from the provisions of this Plan shall file a petition for variance with the ERHWSC within 15 days after the Plan or a particular drought response stage has been invoked. All petitions for variances shall be reviewed by the ERHWSC General Manager or his/her designee, and shall include the following:

(1) Name and address of the petitioner(s).

(2) Purpose of water use.

(3) Specific provision(s) of the Plan from which the petitioner is requesting relief.

(4) Detailed statement as to how the specific provision of the Plan adversely affects the petitioner or what damage or harm will occur to the petitioner or others if petitioner complies with this Plan.

(5) Description of the relief requested.

(6) Period of time for which the variance is sought.

(7) Alternative water use restrictions or other measures the petitioner is taking or proposes to take to meet the intent of this Plan and the compliance date.

(8) Other pertinent information.

d. Variances granted by the ERHWSC shall be subject to the following conditions, unless waived or modified by the ERHWSC General Manager or his/her designee:

(1) Variances granted shall include a timetable for compliance.

(2) Variances granted shall expire when the Plan is no longer in effect, unless the petitioner has failed to meet specified requirements.

(3) No variance shall be retroactive or otherwise justify any violation of this Plan occurring prior to the issuance of the variance.

10. ***Severability.*** It is hereby declared to be the intention of the ERHWSC Board of Directors that the sections, paragraphs, sentences, clauses, and phrases of this Section are severable and, if any phrase, clause, sentence, paragraph, or section of this Plan shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs, and sections of this Plan, since the same would not have been enacted by the ERHWSC Board of Directors without the incorporation into this Plan of any such unconstitutional phrase, clause, sentence, paragraph, or section.

ATTACHMENT “A”

TEXAS WATER DEVELOPMENT BOARD UTILITY PROFILE FOR RETAIL WATER SUPPLIERS

February 2024

Texas Water Development Board

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

Fill out this form as completely as possible.
If a field does not apply to your entity, leave it blank.

CONTACT INFORMATION

Name of Utility: _____

Public Water Supply Identification Number (PWS ID): _____

Certificate of Convenience and Necessity (CCN) Number: _____

Surface Water Right ID Number: _____

Wastewater ID Number: _____

Completed By: _____ Title: _____

Address: _____City: _____Zip Code: _____

Email: _____ Telephone Number: _____

Date: _____

Regional Water Planning Group: _____ Map

Groundwater Conservation District: _____ Map

Check all that apply:

Received financial assistance of $500,000 or more from TWDB

Have 3,300 or more retail connections

Have a surface water right with TCEQ

Texas Water Development Board

Section I: Utility Data

A. Population and Service Area Data

1. Current service area size in square miles: _____
(Attach or email a copy of the service area map.)

2. Provide historical service area population for the previous five years, starting with the most current year.

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Service

3. Provide the projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Service
2020			
2030			
2040			
2050			
2060			

4. Describe the source(s)/method(s) for estimating current and projected populations.

B. System Input

Provide system input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Self-supplied Water in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
Historic 5-year Average					

C. Water Supply System (Attach description of water system)

1. Designed daily capacity of system _____ **gallons** per day.
2. Storage Capacity:
   Elevated _____ **gallons**
   Ground _____ **gallons**

3. List all current water supply sources in gallons.

Water Supply Source	Source Type*	Total Gallons

*Select one of the following source types: *Surface water, Groundwater, or Contract*

4. If surface water is a source type, do you recycle backwash to the head of the plant?
   Yes _____ estimated **gallons** per day
   No

Texas Water Development Board

D. Projected Demands

1. Estimate the water supply requirements for the next ten years using population trends, historical water use, economic growth, etc.

Year	Population	Water Demands (gallons)

2. Describe sources of data and how projected water demands were determined. Attach additional sheets if necessary.

Texas Water Development Board

E. High Volume Customers

1. List the annual water use, in gallons, for the five highest volume **RETAIL customers**. Select one of the following water use categories to describe the customer; choose Residential, Industrial, Commercial, Institutional, or Agricultural.

Retail Customer	Water Use Category*	Annual Water Use	Treated or Raw

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

2. If applicable, list the annual water use for the five highest volume **WHOLESALE customers**. Select one of the following water use categories to describe the customer; choose Municipal, Industrial, Commercial, Institutional, or Agricultural.

Wholesale Customer	Water Use Category*	Annual Water Use	Treated or Raw

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

F. Utility Data Comment Section

Provide additional comments about utility data below.

Texas Water Development Board

Section II: System Data

A. Retail Connections

1. List the active retail connections by major water use category.

Water Use Category*	Active Retail Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Residential – Single Family				
Residential – Multi-family (units)				
Industrial				
Commercial				
Institutional				
Agricultural				
TOTAL				

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

2. List the net number of new retail connections by water use category for the previous five years.

Water Use Category*	Net Number of New Retail Connections				
Residential – Single Family					
Residential – Multi-family (units)					
Industrial					
Commercial					
Institutional					
Agricultural					
TOTAL					

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

Texas Water Development Board

B. Accounting Data

For the previous five years, enter the number of gallons of RETAIL water provided in each major water use category.

Water Use Category*	Total Gallons of Retail Water				
Residential - Single Family					
Residential – Multi-family					
Industrial					
Commercial					
Institutional					
Agricultural					
TOTAL					

*For definitions on recommended customer categories for classifying customer water use, refer to the online Guidance and Methodology for Reporting on Water Conservation and Water Use.

C. Residential Water Use

For the previous five years, enter the residential GPCD for single family and multi-family units.

Water Use Category*	Residential GPCD				
Residential - Single Family					
Residential – Multi-family					

D. Annual and Seasonal Water Use

1. For the previous five years, enter the gallons of treated water provided to RETAIL customers.

Month	Total Gallons of Treated Retail Water				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

2. For the previous five years, enter the gallons of raw water provided to RETAIL customers.

Month	Total Gallons of Raw Retail Water				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

3. Summary of seasonal and annual water use.

Water Use	Seasonal and Annual Water Use					Average in Gallons
Summer Retail (Treated + Raw)						_____ 5yr Average
TOTAL Retail (Treated + Raw)						_____ 5yr Average

E. Water Loss

Provide Water Loss data for the previous five years.

Water Loss GPCD = [Total Water Loss in Gallons ÷ Permanent Population Served] ÷ 365

Water Loss Percentage = [Total Water Loss ÷ Total System Input] x 100

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss as a Percentage
5-year average			

Texas Water Development Board

F. Peak Water Use

Provide the Average Daily Water Use and Peak Day Water Use for the previous five years.

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)

G. Summary of Historic Water Use

Water Use Category	Historic 5-year Average	Percent of Connections	Percent of Water Use
Residential SF			
Residential MF			
Industrial			
Commercial			
Institutional			
Agricultural			

H. System Data Comment Section

Provide additional comments about system data below.

Texas Water Development Board

Section III: Wastewater System Data

If you do not provide wastewater system services then you have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

A. Wastewater System Data (Attach a description of your wastewater system.)

1. Design capacity of wastewater treatment plant(s): _____ **gallons** per day.

2. List the active wastewater connections by major water use category.

Water Use Category*	Active Wastewater Connections			
	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal				
Industrial				
Commercial				
Institutional				
Agricultural				
TOTAL				

2. What percent of water is serviced by the wastewater system? ____%

3. For the previous five years, enter the number of gallons of wastewater that was treated by the utility.

Month	Total Gallons of Treated Wastewater				
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
TOTAL					

4. Can treated wastewater be substituted for potable water?

Yes No

B. Reuse Data

1. Provide data on the types of recycling and reuse activities implemented during the current reporting period.

Type of Reuse	Total Annual Volume (in gallons)
On-site irrigation	
Plant wash down	
Chlorination/de-chlorination	
Industrial	
Landscape irrigation (parks, golf courses)	
Agricultural	
Discharge to surface water	
Evaporation pond	
Other	
TOTAL	

C. Wastewater System Data Comment

Provide additional comments about wastewater system data below.

You have completed the Utility Profile. Save and Print this form to submit with your Plan. Continue with the Water Conservation Plan Checklist to complete your Water Conservation Plan.

From:	Joshua Schauer
To:	Wayne Halbert
Cc:	bemacmanus@erhwsc.com; Humberto Galvan; Chris Kozlowski
Subject:	East Rio Hondo WSC; 23-838AC RFI
Date:	Thursday, June 12, 2025 3:27:00 PM
Attachments:	East Rio Hondo WSC 23_838AC_RFI.pdf

Mr. Halbert,

Please find the attached letter. A response is due by July 14, 2025.

Thanks,

Joshua Schauer, Project Manager
Texas Commission on Environmental Quality
Water Rights Permitting Team
512.239.1371