

# HARLINGEN WATERWORKS SYSTEM

## 2023 Water and Wastewater Rate Study DRAFT Report

March 2024



**HARLINGEN WATERWORKS SYSTEM  
WATER AND WASTEWATER RATE STUDY  
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**Appendix A – Water and Wastewater Rate Model Scenario – “On-Time Inverted Block Rate with Higher Base Charge”**

## Acknowledgements

During the course of this rate study, several Harlingen Waterworks System (“HWWS”) employees expended considerable time and effort in assisting the project team. These employees included the Board of Trustees, City’s Commission, the Mayor, Mr. Tim Skoglund, Mr. David Sanchez, Mr. Jon Hedegard, Ms. Florita Rodriguez, and Mr. Ron De La Garza. The project team owes a debt of gratitude to the hard work, dedication, and professionalism of these individuals, without whom this project would not have been successfully completed.

The project team has relied upon the extensive data supplied by the HWWS. Thus, the integrity of the study is largely dependent upon the accuracy of this financial and customer data. Every effort has been made by the project team to validate and confirm the information contained herein prior to the preparation of the final study documents. **This report presents no assurance or guarantee that the forecast contained herein will be consistent with actual results or performances.** These represent forecasts based on a series of assumptions about future behavior and are not guarantees. Any changes in assumptions or actual events may result in significant revisions to the forecast and its conclusions. The cash flow projections and debt service coverage calculations are not intended to present overall financial positions, results of operations, and/or cash flows for the periods indicated, which is in conformity with guidelines for presentation of a forecast established by the American Institute of Certified Public Accountants.

## *Executive Summary*

## Executive Summary

### Background



In June 2023, Harlingen Waterworks System ("HWWS" or the "Utility") engaged **Willdan Financial Services** to conduct a water and wastewater rate study and a long-term financial plan. HWWS was interested in developing a comprehensive water and wastewater rate plan for FY 2024 and beyond. The objective is to develop a long-term rate plan that will enable the Utility to recover sufficient funds to meet operating expenses, capital outlays, debt service and coverage requirements, while at the same time minimizing the impact on ratepayers.

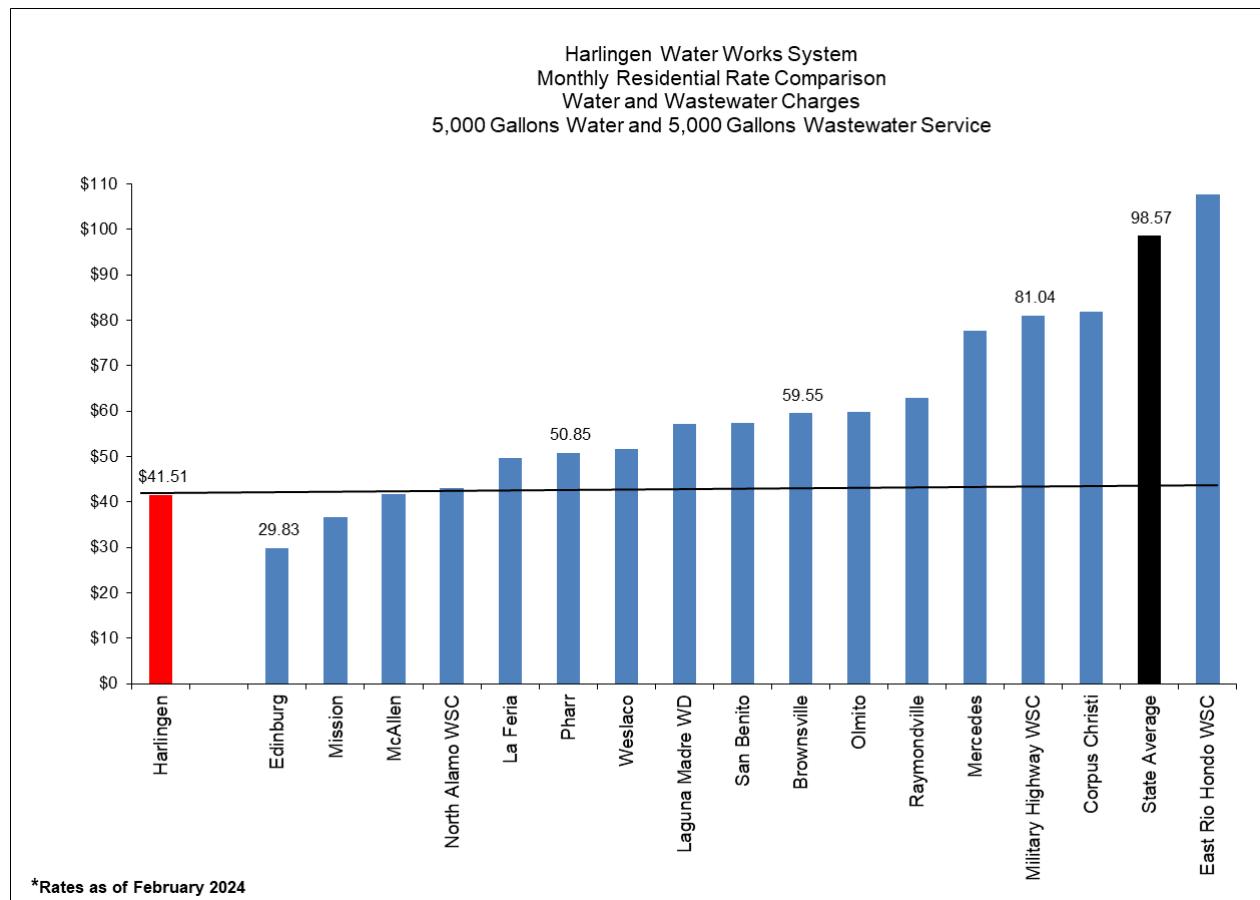
The Utility identified numerous objectives for this study, including but not limited to the following:

- A comprehensive analysis and evaluation of the water and wastewater systems' current cost of service and revenue requirements.
- A forecast of operating expenses over the next ten years, taking into consideration salient factors such as cost of water and wastewater treatment, inflation, system growth, and increases in staffing levels.
- A thorough review of the water and wastewater systems' known capital improvement needs, as well as a determination of the need for funding capital requirements through the issuance of long-term debt for the existing identified capital improvements.
- An estimate of current and forecast accounts, volumes, and billing units for the ten-year forecast period.
- A detailed analysis and comparison of the Utility's current and proposed rates to rates in other surrounding communities.
- Analysis of wholesale rates, low income and senior discount, and implementation of the inverted block rate structure to encourage water conservation.

## Water and Wastewater Rate Comparison

**Chart ES-1** compares Harlingen Waterworks System's current monthly water and wastewater charges to those of nearby cities in the region. A billing volume of 5,000 gallons for water and 5,000 gallons for wastewater was used for the residential comparison as it represents typical usage levels for an average household served by the Utility. The rate data is based on published rates and ordinances posted by each municipality on their websites as of February 2024. These rates do not include sales tax, activation or other charges beyond the basic minimum and volume charges. Since the majority of the current residential meters served by the Utility are 5/8", the comparisons reflect 5/8" meters for the cities that charge by meter size.

CHART ES-1



## Water and Wastewater Customers and Meters – Test Year & Forecast

The majority of the water and wastewater accounts served by HWWS are residential, commercial & industrial, multi-housing apartments, and public services/institutional. Additionally, the utility has five wholesale water and two wastewater customers: Town of Combes (water and wastewater), City of Primera (water and wastewater), City of Palm Valley (water only), East Rio Hondo (water only), and Military Hwy WSC (water only). **Table ES-2** presents total water connections by customer class for the Utility for the test year and forecast period. Total wastewater connections by customer class for the test year and forecast period are

presented in **Table ES-3**. As shown, overall water accounts are forecast to increase from **28,051** in the test year to **31,981** in FY 2033, an annual average increase of 1.47%. Similarly, wastewater accounts are forecast to increase from **22,157** in the test year to **25,277** in FY 2033. The addition of these new connections will likely result in both non-recurring connection fees and increasing monthly water and wastewater revenues.

TABLE ES-2

HARLINGEN WATERWORKS SYSTEM FORECAST TOTAL CUSTOMERS WATER Customer Classes															
	Residential Inside	Residential Outside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condo s Inside	Multi Housing Apts/Condo s Outside	Public Services/Ins titutional Inside	Public Services/Ins titutional Outside	Town of Combes Inside	Town of Combes Outside	City of Primera	City of Palm Valley	City of East Rio Hondo	Military Hwy WSC	Total
<b>WATER Total Customers</b>															
FY 2018	19,141	2,972	2,216	108	684	62	623	8	4	3	1	1	1	-	25,824
FY 2019	19,291	3,015	2,256	105	693	64	624	7	4	3	1	1	1	-	26,065
FY 2020	19,560	3,055	2,278	105	691	67	616	7	4	3	1	1	1	-	26,390
FY 2021	19,895	3,098	2,309	105	705	67	622	8	4	3	1	1	1	-	26,819
FY 2022	20,177	3,139	2,326	101	723	68	633	8	4	3	1	1	1	-	27,184
FY 2023	20,413	3,157	2,356	101	738	68	634	8	2	3	1	1	1	-	27,483
TY 2024	20,860	3,207	2,408	106	752	69	635	8	1	1	1	1	1	1	28,051
FY 2025	21,173	3,255	2,445	107	763	70	635	8	1	1	1	1	1	1	28,462
FY 2026	21,490	3,304	2,481	109	775	71	635	8	1	1	1	1	1	1	28,880
FY 2027	21,813	3,354	2,518	111	786	72	635	8	1	1	1	1	1	1	29,303
FY 2028	22,140	3,404	2,556	112	798	73	635	8	1	1	1	1	1	1	29,733
FY 2029	22,472	3,455	2,595	114	810	75	635	8	1	1	1	1	1	1	30,169
FY 2030	22,809	3,507	2,633	116	822	76	635	8	1	1	1	1	1	1	30,612
FY 2031	23,151	3,559	2,673	117	835	77	635	8	1	1	1	1	1	1	31,061
FY 2032	23,498	3,613	2,713	119	847	78	635	8	1	1	1	1	1	1	31,517
FY 2033	23,851	3,667	2,754	121	860	79	635	8	1	1	1	1	1	1	31,981

TABLE ES-3

HARLINGEN WATERWORKS SYSTEM FORECAST TOTAL CUSTOMERS WASTEWATER Customer Classes														
	Residential Inside	Residential Outside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condo s Inside	Multi Housing Apts/Condo s Outside	Public Services/Ins titutional Inside	Public Services/Ins titutional Outside	Town of Combes Inside	Town of Combes Outside	City of Primera	City of	Total	
<b>WASTEWATER Total Customers</b>														
FY 2018	16,484	1,089	1,756	26	615	47	390	6	1	1	1	1	20,414	
FY 2019	16,608	1,120	1,785	23	625	49	391	5	1	1	1	1	20,607	
FY 2020	16,817	1,134	1,793	23	624	52	386	5	1	1	1	1	20,836	
FY 2021	17,076	1,152	1,819	23	634	51	386	6	1	1	1	1	21,149	
FY 2022	17,328	1,168	1,834	23	643	52	393	7	1	1	1	1	21,449	
FY 2023	17,543	1,172	1,848	22	650	53	393	7	1	1	1	1	21,690	
TY 2024	17,933	1,194	1,882	22	670	54	393	7	1	1	1	1	22,157	
FY 2025	18,202	1,211	1,911	23	680	55	393	7	1	1	1	1	22,483	
FY 2026	18,475	1,230	1,939	23	690	56	393	7	1	1	1	1	22,815	
FY 2027	18,753	1,248	1,968	23	700	56	393	7	1	1	1	1	23,151	
FY 2028	19,034	1,267	1,998	24	711	57	393	7	1	1	1	1	23,492	
FY 2029	19,319	1,286	2,028	24	721	58	393	7	1	1	1	1	23,838	
FY 2030	19,609	1,305	2,058	24	732	59	393	7	1	1	1	1	24,190	
FY 2031	19,903	1,325	2,089	25	743	60	393	7	1	1	1	1	24,547	
FY 2032	20,202	1,344	2,120	25	754	61	393	7	1	1	1	1	24,909	
FY 2033	20,505	1,365	2,152	26	766	62	393	7	1	1	1	1	25,277	

## Net Revenue Requirement

According to the American Water Works Association (“AWWA”) **Manual M-1**, there are two primary generally accepted approaches to determining revenue requirements with additional hybrid variations. Manual M-1 specifically pertains to water ratemaking, although these principles are equally applicable to wastewater ratemaking. These are the **Cash Needs Approach** and the **Utility/Hybrid Approach**. While the Utility basis is generally recommended when providing service outside the city or to wholesale customers, there are hybrid methodologies that can be more applicable to certain situations, including that of HWWS.

To maintain consistency with national ratemaking standards, and to achieve a just and reasonable rate structure for all customers of the HWWS system, the revenue requirement logic built into the rate model is based on the Cash Needs Approach for Retail inside City water customers, Utility/Hybrid Basis for outside City customers, and Cash Needs with Percentage of Used and Useful for Wholesale water customers.

During the course of this engagement, the project team and HWWS staff evaluated several potential capital improvement plan funding options. The options differed in terms of timing and total magnitude of the expected expenditures. The three primary CIP options evaluated were as follows:

- 1) **Long Delay** – this encompassed a 5-year CIP that focused on eliminating all but the most immediate designated needs in order to overcome pre-existing commission issues.
- 2) **Moderate Delay** – this plan represented a 5-year CIP that overcomes pre-existing system issues and designated immediate known system limitations.
- 3) **On-Time** – this CIP plan is fully in accordance with master plans developed for the utility by outside engineers. The CIP plan and expenditures are intended to overcome pre-existing system issues and fund all identified short and long-term needs.

After review and analysis, HWWS staff determined that the **On-Time scenario** was the most appropriate funding scenario to utilize in the cost-of-service calculations.

Under the On-Time scenario, the Utility’s current CIP requirements over the next five years are estimated to be \$81,771,000 million for the water system and \$176,277,000 for the wastewater system, for a combined total of **\$258,048,000**.

**Table ES-4** presents the test year and ten-year forecast for the Utility’s net revenue requirement to be raised from rates. **The net revenue requirement includes operating expenses and debt service, less non-rate revenue.** The Utility currently has three outstanding debt obligations for which payments are made annually throughout the forecast period. In addition, the forecast assumes that the Utility will issue **\$253.0** million of new debt over the next 10 years to finance the expansion of its water distribution and wastewater collection infrastructure needed to meet customer growth projections. Non-rate revenues include income from connection fees, penalties, and other sources of income other than rate revenues. **Table ES-4** reveals that the net revenue requirement for the combined water and wastewater utility is forecast to increase from the test year total of **\$23,354,484** to **\$50,662,464** by FY 2033. Detailed calculations are presented in the rate model contained in **Appendix A** of this report.

TABLE ES-4

<b>HARLINGEN WATERWORKS SYSTEM</b>									
<b>CURRENT AND FORECAST NET REVENUE REQUIREMENT</b>									
<b>SCENARIO: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</b>									
		<b>Operating Expenses</b>	<b>Capital Outlays</b>	<b>Debt Service</b>	<b>Total Cost of Service</b>	<b>Less Non-Rate Revenues</b>	<b>Net Revenue Requirement</b>		
<b>WATER Revenue Requirement</b>									
2024	\$ 12,999,330	\$ 896,802	\$ 783,875	\$ 14,680,007	\$ 1,363,673	\$ 13,316,334			
2025	13,660,847	1,287,500	926,756	15,875,103	1,363,673	14,511,430			
2026	14,361,642	1,326,125	1,497,263	17,185,030	1,363,673	15,821,357			
2027	15,104,065	1,365,909	2,013,147	18,483,120	1,363,673	17,119,447			
2028	15,890,813	1,406,886	3,392,460	20,690,159	1,363,673	19,326,486			
2029	16,597,830	1,449,093	4,842,785	22,889,708	1,363,673	21,526,035			
2030	17,194,562	1,492,565	5,196,524	23,883,652	1,363,673	22,519,979			
2031	18,132,394	1,537,342	5,553,802	25,223,539	1,363,673	23,859,866			
2032	19,127,340	1,583,463	5,737,094	26,447,897	1,363,673	25,084,224			
2033	20,183,176	1,630,966	6,091,926	27,906,068	1,363,673	26,542,395			
<b>WASTEWATER Revenue Requirement</b>									
2024	\$ 8,579,724	\$ 1,873,602	\$ 783,875	\$ 11,237,201	\$ 1,199,051	\$ 10,038,150			
2025	9,047,552	1,287,500	926,756	11,261,807	1,199,051	10,062,756			
2026	9,543,257	1,326,125	2,613,597	13,482,979	1,199,051	12,283,928			
2027	10,068,635	1,365,909	6,279,371	17,713,914	1,199,051	16,514,863			
2028	10,625,602	1,406,886	8,443,208	20,475,696	1,199,051	19,276,645			
2029	11,216,208	1,449,093	9,309,564	21,974,864	1,199,051	20,775,813			
2030	11,842,642	1,492,565	9,480,444	22,815,651	1,199,051	21,616,600			
2031	12,507,247	1,537,342	9,654,864	23,699,453	1,199,051	22,500,402			
2032	13,212,527	1,583,463	9,605,158	24,401,147	1,199,051	23,202,096			
2033	13,961,161	1,630,966	9,726,992	25,319,120	1,199,051	24,120,069			
<b>TOTAL Revenue Requirement</b>									
2024	\$ 21,579,054	\$ 2,770,404	\$ 1,567,750	\$ 25,917,208	\$ 2,562,724	\$ 23,354,484			
2025	22,708,399	2,575,000	1,853,511	27,136,910	2,562,724	24,574,186			
2026	23,904,899	2,652,250	4,110,860	30,668,009	2,562,724	28,105,285			
2027	25,172,700	2,731,818	8,292,517	36,197,035	2,562,724	33,634,311			
2028	26,516,415	2,813,772	11,835,668	41,165,855	2,562,724	38,603,131			
2029	27,814,038	2,898,185	14,152,349	44,864,572	2,562,724	42,301,848			
2030	29,037,204	2,985,131	14,676,968	46,699,303	2,562,724	44,136,579			
2031	30,639,641	3,074,685	15,208,666	48,922,992	2,562,724	46,360,268			
2032	32,339,867	3,166,925	15,342,252	50,849,044	2,562,724	48,286,320			
2033	34,144,337	3,261,933	15,818,918	53,225,188	2,562,724	50,662,464			

## Water and Wastewater Rate Design

During the course of this rate study, HWWS staff, the project team, the HWWS Board of Directors and the City Commission evaluated numerous alternative rate and cost of service scenarios. The scenarios evaluated included but are not limited to the following:

## Types of Rate Plans

- Status Quo
- Conservation-Based
- Higher Monthly Charges
- Lifeline
- Senior Citizen
- Elimination of Wastewater Winter Average

## Rate Plan Scenarios

- “Long-Delay” CIP Financing – Status Quo Rate Plan
- “Long-Delay” CIP Financing – Conservation Rate Plan
- “Long-Delay” CIP Financing – Conservation Rate Plan with Higher Monthly Charges
- “Moderate-Delay” CIP Financing – Status Quo Rate Plan
- “Moderate-Delay” CIP Financing – Conservation Rate Plan
- “Moderate-Delay” CIP Financing – Conservation Rate Plan with Higher Monthly Charges
- “On-Time” CIP Financing – Status Quo Rate Plan
- “On-Time” CIP Financing – Conservation Rate Plan
- “On-Time” CIP Financing – Conservation Rate Plan with Higher Monthly Charges
- Wholesale Rates – Higher Charges
- Lifeline/Senior Citizen Rate and Impact on Existing Rates

After significant analysis, review and deliberation, the Board and City Commission chose the following rate plan:

### **“On-Time” CIP Financing – Conservation Rate Plan with Higher Monthly Charges**

There are three key aspects of this proposed rate plan that will impact monthly ratepayer charges. The first is that the plan is intended to fund all CIP projects identified by the City’s engineers. As shown in Section III, this represents a total of **\$258,048,000** over the next five years. The more CIP that is funded through the rate plan, the higher the rate adjustments that will be required.

The second key aspect involves the development of an inverted block conservation-based volume rate. The purpose of this rate is to charge greater amounts per 1,000 gallons at greater usage levels as a means to provide a financial disincentive for greater levels of water usage.

The third aspect involves increasing monthly base charges at a higher rate than volume rates. HWWS monthly charges are among the lowest in the region. The proposed rate plan is intended to increase HWWS’ monthly charges for 5,000 gallons to 50% of monthly bills within five years. The advantage of this is that this represents guaranteed revenue to the Utility, which lessens financial risk of shortfalls due to lower usage and/or weather conditions. However, this plan can be perceived as assessing a disproportionate increase on lower volume users.

The following is also notable about this proposed plan:

- The plan is a **five-year plan** with rate adjustments applied for each rate class starting in March 2024 and continuing in January of each year afterwards. The planning horizon for this rate plan is 5 years.
- The fuel charge for water and wastewater is eliminated.
- Outside city water customers continue the City's long-standing policy of paying 50.0% more for water service than inside city customers.
- The wastewater monthly charge for outside city customers remains the same as the inside city rate, with the exception of the monthly charge for residential customers. This monthly charge remains unchanged until it reaches a level of 50.0% greater than inside city customers.
- The most significant impact on rates is the amount of new debt required to fund CIP projects. Should the Utility choose to issue more or less debt than assumed in this study, or should different financing terms be available at the time the debt is issued, then the rate plans contained in this study may require revision.
- The adopted rate plan will ensure that all operating expenses and capital outlays are fully funded.
- The rate plan will allow the Utility to maintain an "AA" credit rating and sound financial standing so capital requirements can be funded with favorable terms when issuing new water and wastewater debt in the next decade.

**Table ES-5** presents a summary of this proposed water and wastewater rate plan.

**Table ES-6** presents the impact the proposed rate plan will have on ratepayers at various levels of consumption. The table presents the total monthly charge for water and wastewater at levels of 3,000, 10,000, 20,000 and 40,000 gallons.



TABLE ES-5

HARLINGEN WATERWORKS SYSTEM WATER RATE PLAN										
Scenario:	Proposed Rate Plan									
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Forecast Jan-28				
<b>Water Rates – Residential &amp; Commercial Inside</b>										
Monthly Minimum Charge										
5/8"	\$ 7.93	\$ 9.91	\$ 12.39	\$ 15.49	\$ 19.36	\$ 23.23				
1"	10.07	13.16	17.16	22.34	29.04	34.85				
1 1/2"	14.56	19.85	26.86	36.15	48.40	58.08				
2"	33.02	43.35	56.77	74.20	96.80	116.16				
3"	49.17	65.92	87.98	116.94	154.88	185.86				
4"	112.87	192.55	305.02	461.68	677.61	813.13				
6"	231.80	378.39	583.79	868.24	1,258.42	1,510.11				
8"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54				
Residential Volume Rate Per 1,000 Gal										
-	3,000	1.65	1.25	1.25	1.25	1.25				
3,001	10,000	0.06	1.75	1.93	2.12	2.33				
10,001	20,000	-	2.50	2.75	3.03	3.33				
20,001	Above	-	3.00	3.30	3.63	3.99				
Commercial Volume Rate Per 1,000 Gal										
Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66				
Fuel Cost Adjustment	0.06	-	-	-	-	-				
<b>Water Rates – Residential &amp; Commercial Outside</b>										
Monthly Minimum Charge										
5/8"	\$ 12.49	\$ 14.87	\$ 18.59	\$ 23.23	\$ 29.04	\$ 34.85				
1"	15.09	19.74	25.74	33.51	43.56	52.27				
1 1/2"	21.86	29.77	40.29	54.22	72.60	87.12				
2"	49.55	65.02	85.16	111.31	145.20	174.24				
3"	73.77	98.88	131.96	175.41	232.32	278.79				
4"	169.32	288.83	457.52	692.52	1,016.42	1,219.70				
6"	346.97	567.59	875.68	1,302.36	1,887.63	2,265.16				
8"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81				
Residential Volume Rate Per 1,000 Gal										
-	3,000	2.48	1.88	1.88	1.88	1.88				
3,001	10,000	0.06	2.63	2.89	3.18	3.49				
10,001	20,000	-	3.75	4.13	4.54	4.99				
20,001	Above	-	4.50	4.95	5.45	5.99				
Commercial Volume Rate Per 1,000 Gal										
Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99				
Fuel Cost Adjustment	0.06	-	-	-	-	-				
<b>Wastewater Rates - Residential &amp; Comm Inside</b>										
Monthly Minimum Charge										
5/8"	\$ 6.18	\$ 7.73	\$ 9.66	\$ 12.07	\$ 15.09	\$ 18.86				
1"	9.44	11.80	14.75	18.44	23.05	28.81				
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34				
2"	25.77	32.21	40.27	50.33	62.92	78.64				
3"	52.97	66.21	82.77	103.46	129.32	161.65				
4"	134.60	168.25	210.31	262.89	328.61	410.77				
6"	276.08	345.10	431.38	539.22	674.02	842.53				
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73				
Volume Rate Per 1,000 Gal										
Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89				
Fuel Cost Adjustment	0.11	-	-	-	-	-				
<b>Wastewater Rates - Residential &amp; Comm Outside</b>										
Monthly Minimum Charge										
5/8"	\$ 20.50	\$ 20.50	\$ 20.50	\$ 20.50	\$ 22.63	\$ 28.29				
1"	20.50	20.50	20.50	20.50	22.63	28.29				
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34				
2"	25.77	32.21	40.27	50.33	62.92	78.64				
3"	52.97	66.21	82.77	103.46	129.32	161.65				
4"	134.60	168.25	210.31	262.89	328.61	410.77				
6"	276.08	345.10	431.38	539.22	674.02	842.53				
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73				
Volume Rate Per 1,000 Gal										
Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89				
Fuel Cost Adjustment	0.11	-	-	-	-	-				

TABLE ES-6

HARLINGEN WATERWORKS SYSTEM IMPACT ON MONTHLY CUSTOMER CHARGES									
Scenario:		Proposed Rate Plan							
		Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Forecast Jan-28		
<b>Residential Monthly Charge</b>									
3,000 Gal W	Total	\$ 30.55	\$ 33.58	\$ 39.20	\$ 46.06	\$ 54.42	\$ 63.52		
3,000 Gal WW	Increase -- \$		<b>3.03</b>	<b>5.63</b>	<b>6.85</b>	<b>8.36</b>	<b>9.10</b>		
	Increase -- %		9.9%	16.8%	17.5%	18.2%	16.7%		
10,000 Gal W	Total	50.06	53.95	61.62	70.71	81.54	93.08		
5,000 Gal WW	Increase -- \$		<b>3.89</b>	<b>7.67</b>	<b>9.09</b>	<b>10.83</b>	<b>11.54</b>		
	Increase -- %		7.8%	14.2%	14.8%	15.3%	14.2%		
20,000 Gal W	Total	67.16	78.95	89.12	100.96	114.81	129.35		
5,000 Gal WW	Increase -- \$		<b>11.79</b>	<b>10.17</b>	<b>11.84</b>	<b>13.85</b>	<b>14.54</b>		
	Increase -- %		17.6%	12.9%	13.3%	13.7%	12.7%		
<b>Commercial Monthly Charge</b>									
20,000 Gal W	Total	\$ 168.39	\$ 193.44	\$ 226.71	\$ 267.17	\$ 316.62	\$ 365.83		
20,000 Gal WW	Increase -- \$		<b>25.05</b>	<b>33.27</b>	<b>40.46</b>	<b>49.44</b>	<b>49.21</b>		
	Increase -- %		14.9%	17.2%	17.8%	18.5%	15.5%		
40,000 Gal W	Total	277.99	311.32	356.38	409.81	473.52	536.85		
40,000 Gal WW	Increase -- \$		<b>33.33</b>	<b>45.06</b>	<b>53.43</b>	<b>63.71</b>	<b>63.33</b>		

Table ES-7 on the next page presents the proposed rate plan and the cost of service rate for each of the Utility's water and wastewater wholesale customers.



Table ES-7

HARLINGEN WATERWORKS SYSTEM WHOLESALE RATE PLAN									
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Forecast Jan-28	Proposed Rate Plan		
<b>WATER Rates</b>									
<b>Town of Combes Inside</b>									
Monthly Minimum Charge	\$ 954.03	\$ 1,192.54	\$ 1,490.67	\$ 1,863.34	\$ 2,329.17	\$ 2,795.01			
Volume Rate/1,00 Gallons	1.45	1.61	1.77	1.95	2.14	2.34			
Cost of Service Rate/1,000 gallons		3.41	3.67	3.96	4.24	4.73			
<b>City of Primera</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		3.41	3.67	3.96	4.24	4.73			
<b>City of Palm Valley</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		3.41	3.67	3.96	4.24	4.73			
<b>East Rio Hondo</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		2.51	2.67	2.92	3.15	3.61			
<b>Military Hwy WSC</b>									
Monthly Minimum Charge	\$ 100.00	\$ 125.00	\$ 156.25	\$ 195.31	\$ 244.14	\$ 292.97			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		2.51	2.67	2.92	3.15	3.61			
<b>WASTEWATER Rates</b>									
<b>Town of Combes</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	-	6,500,000	2.80	3.11	3.42	3.76	4.14	4.51	
6,500,001 Above		3.26	3.62	3.98	4.38	4.82	5.25		
Cost of Service Rate/1,000 gallons		2.93	2.85	3.43	3.62	4.34			
<b>City of Primera</b>									
Monthly Minimum Charge	\$ 861.00	\$ 1,076.25	\$ 1,345.31	\$ 1,681.64	\$ 2,102.05	\$ 2,627.56			
Volume Rate/1,00 Gallons	1.37	1.52	1.67	1.84	2.02	2.21			
Cost of Service Rate/1,000 gallons		2.34	2.43	3.00	3.11	3.81			
Residential Volume Rate Per 1,000 Gal									

*Section I*

**SECTION I**

# Introduction and Demographic Profile

## Background



In June 2023, Harlingen Waterworks System ("HWWS" or the "Utility") engaged **Willdan Financial Services** to conduct a water and wastewater rate study and a long-term financial plan. The Utility was interested in developing a comprehensive water and wastewater rate plan for FY 2024 and beyond. The objective of this study is to develop a long-term rate plan that will enable the Utility to recover sufficient funds to meet operating expenses, capital outlays, debt service, and coverage requirements, while minimizing the impact of adjustments on ratepayers.

The Utility identified numerous objectives for this study, including but not limited to the following:

- A comprehensive analysis and evaluation of the water and wastewater systems' current cost of service and revenue requirements.
- A forecast of operating expenses over the next ten years, taking into consideration such factors as inflation, system growth, salary adjustments, and increases in staffing levels.
- A thorough review of the water and wastewater systems' known capital improvement needs, as well as a determination of the need for funding capital requirements through the issuance of long-term debt for the existing identified capital improvements.
- An estimate of current and forecast accounts, volumes, and billing units for the ten-year forecast period.
- A detailed analysis and comparison of the Utility's current and proposed rates to rates charged by surrounding communities.
- Analysis of winter averages, wholesale rates, higher base charges, and inverted block rate structure and their effect on water and wastewater rates.
- A review of wholesale rates and cost of service, both current and forecast.
- Impact on rates of the potential adoption of alternative capital improvement financing plans.

## Report Organization

This report is organized into the following sections:

**Section I – Introduction and Demographic Profile** - outlines the background, objectives and scope of this rate study and long-term financial plan. It also presents the Utility's current rate structure and a community profile of Harlingen. This includes a comparison of the Utility's water and wastewater charges with other several neighboring cities.

**Section II – Water and Wastewater Test Year and Forecast Volumes** – analyzes the Utility's customer base, total accounts and current volumes of treated water and wastewater. This section presents totals for the current year and a forecast ten years into the future.

**Section III – Water and Wastewater Test Year and Forecast Revenue Requirement** – outlines the process of analyzing the Utility's current water and wastewater utility cost structure. The total current or "test year" revenue requirements are developed, and costs are functionalized between treatment, distribution/collection, administration, and customer billing. Using the test year as a basis, costs are forecast for a ten-year period.

**Section IV – Water and Wastewater Rate Designs** – summarize rate recommendations presented to the HWWS Board of Trustees and the City's Commission which would enable HWWS to meet its revenue requirements over the next five years. This section also presents an analysis of the impact of this rate plan.

**Appendix A** – presents a hard copy printout of the interactive Microsoft Excel spreadsheet model summaries developed for HWWS to calculate water and wastewater current and future revenue requirements. The model automatically generates all calculations based on a set of defined user inputs and has an executive dashboard for users to develop real-time "what-if" scenarios.

## Community Overview



Harlingen is a vibrant city located in the Rio Grande Valley region of southern Texas. It is the second-largest city in Cameron County, and the fourth largest in the Rio Grande Valley.

Harlingen was established in 1904 as a result of the expansion of the St. Louis, Brownsville, and Mexico Railway. Originally a small agricultural town, it experienced significant growth in the early 20th century when irrigation systems were introduced, leading to increased agricultural production.

One of the notable historical events in Harlingen's past is the opening of the Harlingen Army Airfield during World War II. This airfield played a crucial role in training pilots for the United States Army Air Corps and became the city's municipal airport after the war.

Today, Harlingen is a bustling city with a diverse economy. It is known as the economic hub of Cameron County, attracting various industries such as healthcare, retail, and manufacturing.

The city is also known for its warm weather, birdwatching, and proximity to the Gulf of Mexico. It serves as a gateway to popular tourist destinations in the region, including South Padre Island and the Mexican border.

## HWWS Leadership

The Harlingen Waterworks System is a public utility that operates under the oversight of the Harlingen City Commission, the City Manager, and the Mayor. The HWWS is governed by a five-member Board of Trustees that are appointed by the City Commission. The City Manager appoints a Waterworks Director who oversees day-to-day operations of the water system and ensures efficient delivery of water and wastewater services.

The Board of Trustees consists of Chairman, Vice-Chairman and three Board Members. All changes to the Utility's water and wastewater rate structure must be approved by a vote of the Board.

**Table I-1** lists currently serving HWWS officials.

TABLE I-1

<b>HARLINGEN WATERWORKS SYSTEM</b>		<b>HWWS OFFICIALS -- DECEMBER 2023</b>	
<b>Mayor and Board of Trustees</b>		<b>Senior Staff</b>	
City Mayor	Norma Sepulveda	City Manager	Gabriel Gonzalez
<b>Board of Trustees</b>		<b>HSSW Staff</b>	
Chairman	Chris Bartnesky	General Manager	Tim Skoglund
Vice-Chairman	Enrique Del Angel	Director of Water	David Sanchez
Trustee 1	Michael Garza	Director of Wastewater	Jon Hedegard
Trustee 2	Michael Murphy	Director of Finance	Ron De La Garza
Trustee 3	Maru De La Paz	Director of Customer Service	Florita Rodriguez

## Water and Wastewater Current Rates

The water rate structure assesses a base charge for residential and non-residential customers based on their meter size. Additionally, all water accounts are charged a flat volume rate of \$1.65 plus a fuel adjustment charge of \$0.06 for each 1,000 gallons of actual water consumption. Outside City limits customers are charged higher rates than the inside City limits customers.

The Utility's wastewater rate structure follows its water rate structure when customers are assessed a base charge depending on their water meter size and a flat volume rate of \$3.66 for each 1,000 gallons of wastewater flows. The fuel adjustment charge for wastewater is \$0.11 per 1,000 gallons. HWWS uses the winter averaging method to calculate wastewater flows.

**Table I-2** on the next page summarizes the Utility's current water and wastewater rate structure.

TABLE I-2

HARLINGEN WATERWORKS SYSTEM							
CURRENT WATER AND WASTEWATER RATES							
Water Rates				Wastewater Rates			
INSIDE City Limits				INSIDE City Limits			
Minimum Charge by Meter Size	5/8"	\$	7.93	Minimum Charge by Meter Size	5/8"	\$	6.18
	1"		10.07		1"		9.44
	1 1/2"		14.56		1 1/2"		21.41
	2"		33.02		2"		25.77
	3"		49.17		3"		52.97
	4"		112.87		4"		134.60
	6"		231.80		6"		276.08
	8"		426.15		8"		439.33
Volume Rate (per 1,000 Gallons)		\$	1.65	Volume Rate (per 1,000 Gallons)		\$	3.66
OUTSIDE City Limits				OUTSIDE City Limits			
Minimum Charge by Meter Size	5/8"	\$	12.49	Minimum Charge by Meter Size	5/8"	\$	20.50
	1"		15.09		1"		20.50
	1 1/2"		21.86		1 1/2"		21.41
	2"		49.55		2"		25.77
	3"		73.77		3"		52.97
	4"		169.32		4"		134.60
	6"		346.97		6"		276.08
	8"		639.24		8"		439.33
Volume Rate (per 1,000 Gallons)		\$	2.48	Volume Rate (per 1,000 Gallons)		\$	3.66
FUEL COST ADJUSTMENT (per 1,000 gallons)		\$	0.06	FUEL COST ADJUSTMENT (per 1,000 gallons)		\$	0.11

## Water and Wastewater Rate Comparison

**Table I-3** compares HWWS's monthly residential water and wastewater charges to those of nearby cities in the region. **Chart I-4** presents the data graphically. **Chart I-5** compares average annual charges for the cities in the comparison. Volumes of 5,000 gallons water and 5,000 gallons wastewater were used for the comparison as they represent typical usage levels for an average household in the City.

The rate data is based on published rates and ordinances posted by each municipality on their website. These rates do not include sales tax, activation or other charges beyond the basic minimum and volume charges. Comparisons such as these are for usage charges only. This type of comparison may have the unintended effect of discriminating against communities who choose to finance system expansions through current rates or revenue bonds, which are included in rates, as opposed to those who utilize general obligation bonds, which are funded through taxes. All else being equal, a City that primarily or exclusively uses general obligation bonds will have a lower water rate per 1,000 gallons but a higher tax rate.

The following points are also notable:

- Many cities do not assess rates that recover the full cost of service, choosing instead to subsidize their water and wastewater utilities with other revenues or to defer needed repairs and maintenance at the expense of system reliability and integrity.

- Some cities use tax bonds to fund water/wastewater system construction. This results in lower rates but higher ad valorem taxes.
- Since the majority of the current residential meters served by the Utility are 5/8", the comparisons reflect 5/8" meters for the cities that charge by meter size.

With these caveats in mind, the comparisons reveal that the HWWS rates are lower than rates of the majority of the similarly sized cities in the region. The Utility's current combined residential water and wastewater charges are approximately **2.4x** less than the statewide survey average.

TABLE I-3

<b>HARLINGEN WATERWORKS SYSTEM</b>					
<b>CURRENT MONTHLY RESIDENTIAL CHARGES FOR 5,000 GALLONS WATER; 5,000 GALLONS WASTEWATER; 5/8" METER</b>					
	<b>Water</b>		<b>Wastewater</b>		<b>Total</b>
<b>Harlingen</b>	\$ 16.48		\$ 25.03		\$ 41.51
Brownsville	27.67		31.88		59.55
Laguna Madre WD	22.12		35.08		57.20
McAllen	20.70		21.00		41.70
Edinburg	17.49		12.34		29.83
Raymondville	36.54		26.30		62.84
Weslaco	28.30		23.43		51.73
San Benito	26.62		30.68		57.30
Corpus Christi	27.26		54.64		81.90
Mercedes	39.47		38.18		77.65
North Alamo WSC	26.03		17.00		43.03
Olmmito	33.35		26.48		59.83
East Rio Hondo WSC	56.25		51.50		107.75
Military Highway WSC	48.40		32.64		81.04
La Feria	25.25		24.35		49.60
Mission	20.50		16.25		36.75
Pharr	27.88		22.97		50.85
<b>State Average</b>	\$ 52.91		\$ 45.66		\$ 98.57

Source: City's Website; US Census Bureau & municipal websites

CHART I-4

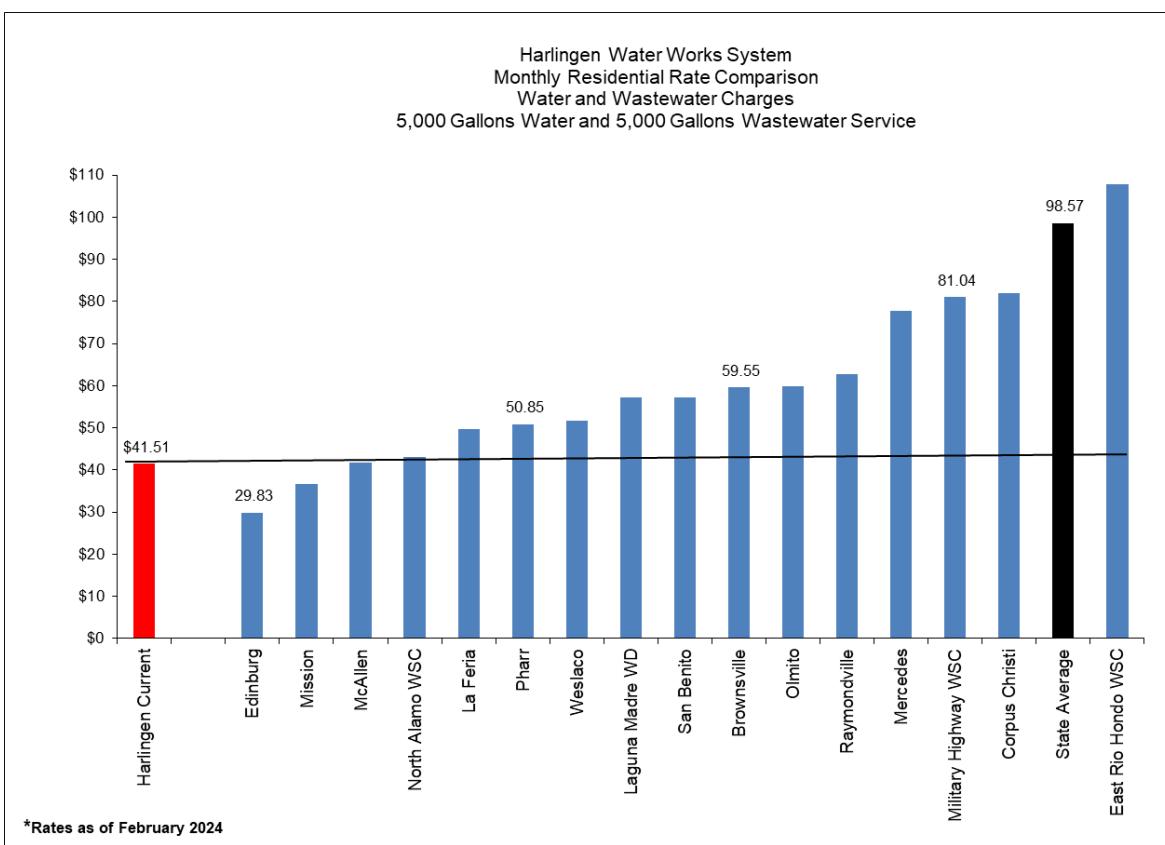
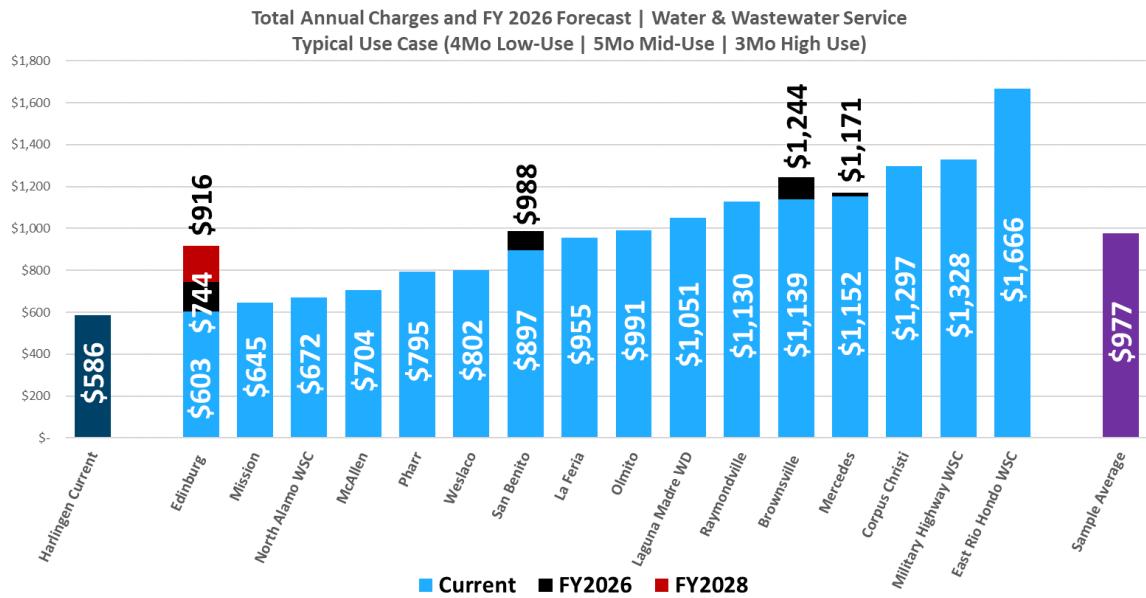


CHART I-5



*Section II*

**SECTION II**

## Water & Wastewater Test Year and Forecast Volumes



In order to accurately forecast future revenues and expenses, it is necessary to examine current water and wastewater utility conditions. The first step in developing cost of service rates is to analyze patterns of usage, both for the system as a whole, and for specified customer classes.

For HWWS, monthly water and wastewater records were reviewed for the period of October 2017 through July 2023. These records provided summary information on the monthly water volumes distributed system wide as well as the number of accounts for each period by defined customer class and the associated revenues. Additionally, these records provided the number of accounts and revenues monthly for all classifications of wastewater customers.

According to standard utility ratemaking methodology, in order to allocate revenue requirements equitably among system users, customers must be classified into relatively homogeneous groups with similar usage characteristics or service demands. Costs are then allocated to the customer classes in proportion to the usage characteristics of each class. For the water system, costs are typically allocated to customers based on their average and peak water demands. For the wastewater system, costs are allocated to customers based on their estimated wastewater flows, and in some cases, based on wastewater strengths.

The project team finds these customer class distinctions to be reasonable and appropriate, meeting the criteria of homogenous groups with similar usage patterns.

In this section, the Utility's functional customer classes and test year usage patterns will be thoroughly analyzed. A ten-year projection of customers and usage will also be presented. These forecasts, along with the revenue requirements, will form the basis of the proposed rate design.

### Water and Wastewater Customers and Accounts – Test Year and Forecast

The majority of the water customers served by HWWS are Residential accounts, followed by Commercial & Industrial, Multi-Housing Apts., and Public Services & Institutional. In addition to these customer classes, the Utility has five wholesale water customers: Town of Combes, City of Primera, City of Palm Valley, East Rio Hondo WSC, and Military Highway WSC.

Similarly, the majority of wastewater customers are Residential accounts with the remaining being Commercial & Industrial, Multi-Housing Apartments and Public Services/Institutional. The Utility provides wholesale wastewater services to Town of Combes and City of Primera.

**Table II-1** presents total water accounts for the Utility for the test year and forecast period.

For each of the historical years, the average number of accounts for the year is shown and the growth reflects the difference from one fiscal year to the next. Overall water accounts are expected to increase by approximately **450** accounts per year, from **28,051** in the test year to **31,981** in FY 2033, an average annual increase of 1.47%.

TABLE II-1

HARLINGEN WATERWORKS SYSTEM															
FORECAST TOTAL CUSTOMERS															
WATER Customer Classes															
Residential Inside	Residential Outside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condo's Inside	Multi Housing Apts/Condo's Outside	Public Services/Ins titutional Inside	Public Services/Ins titutional Outside	Town of Combes Inside	Town of Combes Outside	Town of Primera	City of Palm Valley	East Rio Hondo	Military Hwy WSC	Total	
<b>WATER Total Customers</b>															
FY 2018	19,141	2,972	2,216	108	684	62	623	8	4	3	1	1	1	-	25,824
FY 2019	19,291	3,015	2,256	105	693	64	624	7	4	3	1	1	1	-	26,065
FY 2020	19,560	3,055	2,278	105	691	67	616	7	4	3	1	1	1	-	26,390
FY 2021	19,895	3,098	2,309	105	705	67	622	8	4	3	1	1	1	-	26,819
FY 2022	20,177	3,139	2,326	101	723	68	633	8	4	3	1	1	1	-	27,184
FY 2023	20,413	3,157	2,356	101	738	68	634	8	2	3	1	1	1	-	27,483
<b>TY 2024</b>	<b>20,860</b>	<b>3,207</b>	<b>2,408</b>	<b>106</b>	<b>752</b>	<b>69</b>	<b>635</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>28,051</b>
FY 2025	21,173	3,255	2,445	107	763	70	635	8	1	1	1	1	1	1	28,462
FY 2026	21,490	3,304	2,481	109	775	71	635	8	1	1	1	1	1	1	28,880
FY 2027	21,813	3,354	2,518	111	786	72	635	8	1	1	1	1	1	1	29,303
FY 2028	22,140	3,404	2,556	112	798	73	635	8	1	1	1	1	1	1	29,733
FY 2029	22,472	3,455	2,595	114	810	75	635	8	1	1	1	1	1	1	30,169
FY 2030	22,809	3,507	2,633	116	822	76	635	8	1	1	1	1	1	1	30,612
FY 2031	23,151	3,559	2,673	117	835	77	635	8	1	1	1	1	1	1	31,061
FY 2032	23,498	3,613	2,713	119	847	78	635	8	1	1	1	1	1	1	31,517
FY 2033	23,851	3,667	2,754	121	860	79	635	8	1	1	1	1	1	1	31,981
<b>WATER Annual New Customers</b>															
FY 2019	149	43	40	(3)	9	2	1	(1)	NA	NA	-	-	-	-	241
FY 2020	269	40	23	1	(2)	3	(8)	(0)	NA	NA	-	-	-	-	325
FY 2021	336	43	31	(1)	13	0	6	2	-	-	-	-	-	-	429
FY 2022	282	41	17	(3)	19	0	11	(0)	(0)	-	-	-	-	-	365
FY 2023	236	18	30	(0)	15	1	1	-	(2)	-	-	-	-	-	298
<b>TY 2024</b>	<b>447</b>	<b>50</b>	<b>52</b>	<b>4</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>(1)</b>	<b>(2)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>568</b>
FY 2025	313	48	36	2	11	1	-	-	-	-	-	-	-	-	411
FY 2026	318	49	37	2	11	1	-	-	-	-	-	-	-	-	417
FY 2027	322	50	37	2	12	1	-	-	-	-	-	-	-	-	423
FY 2028	327	50	38	2	12	1	-	-	-	-	-	-	-	-	430
FY 2029	332	51	38	2	12	1	-	-	-	-	-	-	-	-	436
FY 2030	337	52	39	2	12	1	-	-	-	-	-	-	-	-	443
FY 2031	342	53	40	2	12	1	-	-	-	-	-	-	-	-	449
FY 2032	347	53	40	2	13	1	-	-	-	-	-	-	-	-	456
FY 2033	352	54	41	2	13	1	-	-	-	-	-	-	-	-	463

**Table II-2** on the next page presents the project team's ten-year forecast of wastewater account growth. Wastewater accounts are forecast to increase by approximately **359** accounts per year, from **22,157** in the test year to **25,277** in FY2033.

TABLE II-2

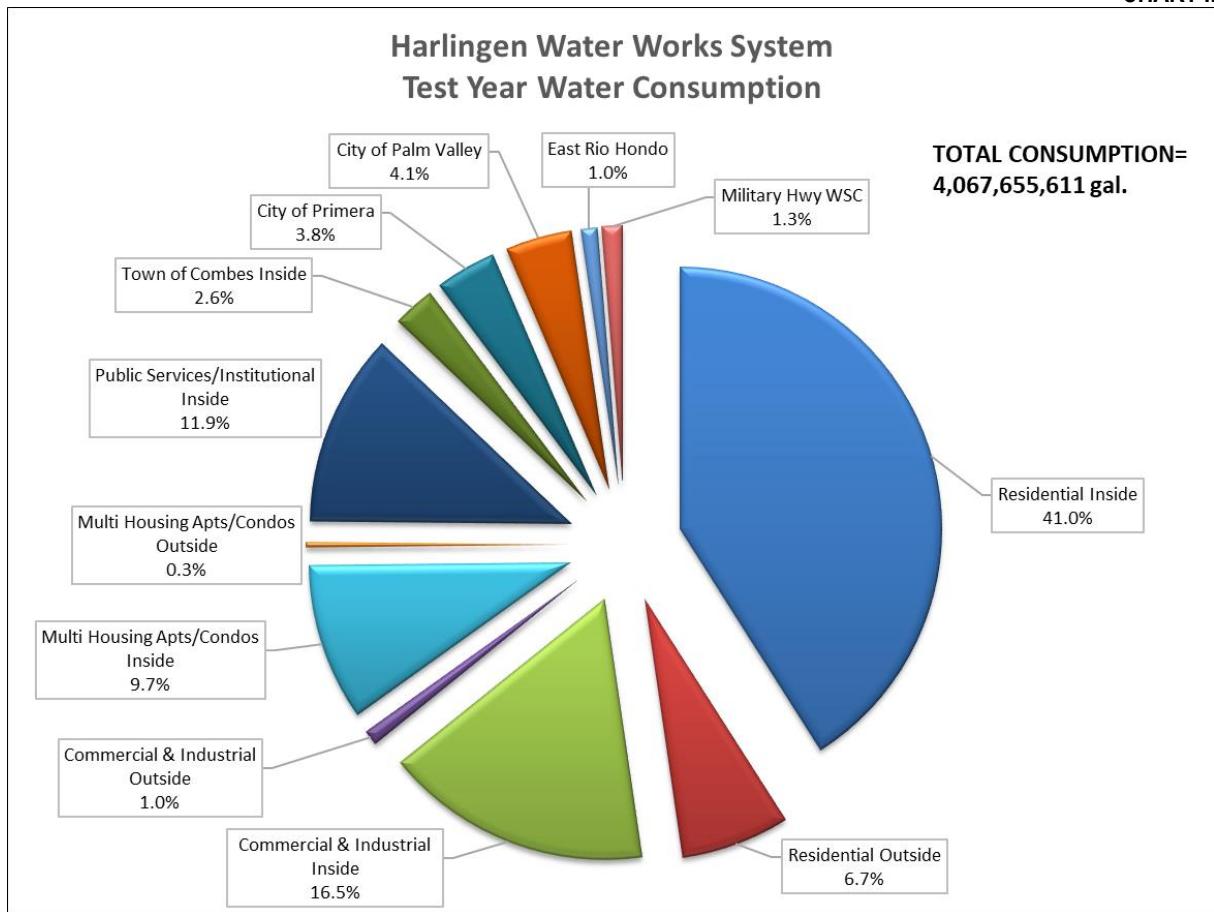
HARLINGEN WATERWORKS SYSTEM											
FORECAST TOTAL CUSTOMERS WASTEWATER Customer Classes											
	Residential Inside	Residential Outside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condo s Inside	Multi Housing Apts/Condo s Outside	Public Services/Ins titutional Inside	Public Services/In stitutional Outside	Town of Combes	City of Primera	Total
<b>WASTEWATER Total Customers</b>											
FY 2018	16,484	1,089	1,756	26	615	47	390	6	1	1	20,414
FY 2019	16,608	1,120	1,785	23	625	49	391	5	1	1	20,607
FY 2020	16,817	1,134	1,793	23	624	52	386	5	1	1	20,836
FY 2021	17,076	1,152	1,819	23	634	51	386	6	1	1	21,149
FY 2022	17,328	1,168	1,834	23	643	52	393	7	1	1	21,449
FY 2023	17,543	1,172	1,848	22	650	53	393	7	1	1	21,690
TY 2024	17,933	1,194	1,882	22	670	54	393	7	1	1	22,157
FY 2025	18,202	1,211	1,911	23	680	55	393	7	1	1	22,483
FY 2026	18,475	1,230	1,939	23	690	56	393	7	1	1	22,815
FY 2027	18,753	1,248	1,968	23	700	56	393	7	1	1	23,151
FY 2028	19,034	1,267	1,998	24	711	57	393	7	1	1	23,492
FY 2029	19,319	1,286	2,028	24	721	58	393	7	1	1	23,838
FY 2030	19,609	1,305	2,058	24	732	59	393	7	1	1	24,190
FY 2031	19,903	1,325	2,089	25	743	60	393	7	1	1	24,547
FY 2032	20,202	1,344	2,120	25	754	61	393	7	1	1	24,909
FY 2033	20,505	1,365	2,152	26	766	62	393	7	1	1	25,277
<b>WASTEWATER Annual New Customers</b>											
FY 2019	124	31	29	(2)	10	2	1				194
FY 2020	209	15	8	(0)	(1)	3	(5)				229
FY 2021	259	18	26	0	10	(0)	-	2	-	-	313
FY 2022	252	16	16	(1)	9	1	7	1	-	-	300
FY 2023	215	5	13	(1)	7	1	0	-	-	-	241
TY 2024	391	21	35	0	20	1	(0)	-	-	-	467
FY 2025	269	18	28	0	10	1	-	-	-	-	326
FY 2026	273	18	29	0	10	1	-	-	-	-	331
FY 2027	277	18	29	0	10	1	-	-	-	-	336
FY 2028	281	19	30	0	11	1	-	-	-	-	341
FY 2029	286	19	30	0	11	1	-	-	-	-	346
FY 2030	290	19	30	0	11	1	-	-	-	-	352
FY 2031	294	20	31	0	11	1	-	-	-	-	357
FY 2032	299	20	31	0	11	1	-	-	-	-	362
FY 2033	303	20	32	0	11	1	-	-	-	-	368

## Historical and Forecast Water Consumption

Total water system consumption data was analyzed over the same time period as customer data. A combination of consumption over the past 12 months and historical trends were used as the basis for the development of the forecast water and wastewater volumes within the rate model.

**Chart II-3** on the next page presents total water consumption in percentages by customer class in the test year.

CHART II-3



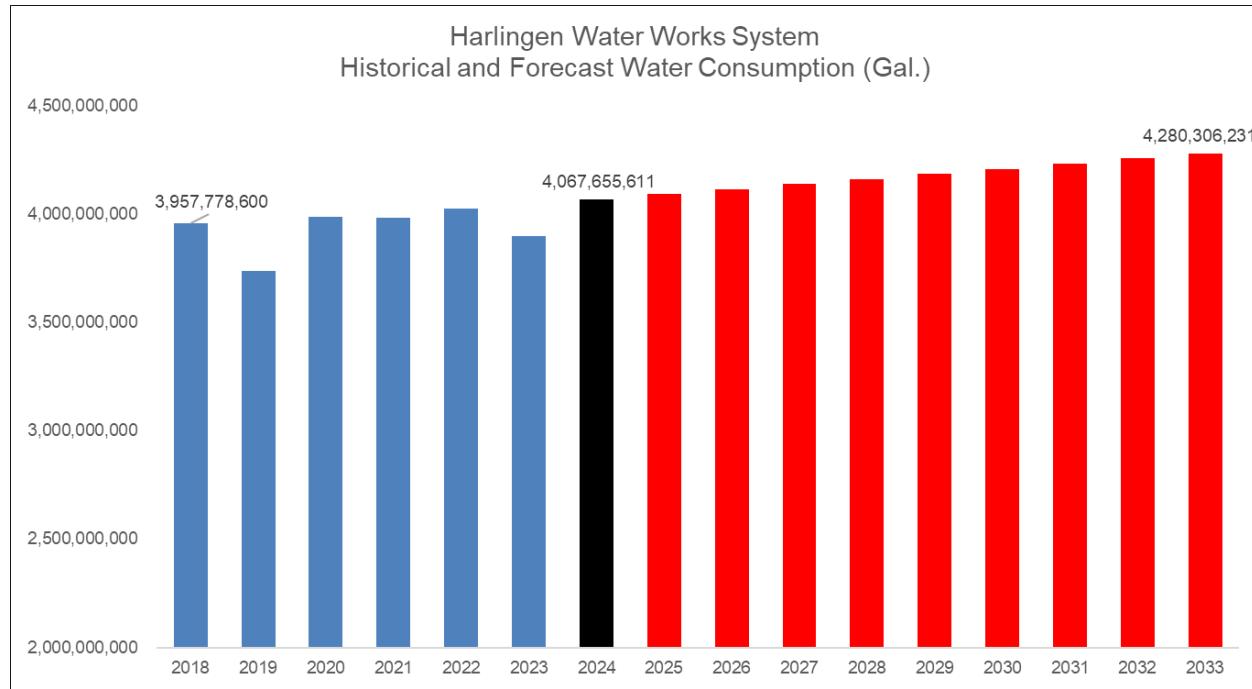
The project team prepared a ten-year forecast of water usage based on the historical data and forecast accounts growth. The table below reveals that water usage is expected to increase by an annual average of 0.57% during the forecast period. By FY 2033 water usage is expected to reach 4,280,306,231 gallons. The results of this forecast for water usage are presented in **Table II-4** and **Chart II-5**.



TABLE II-4

HARLINGEN WATERWORKS SYSTEM															
FORECAST BILLED CONSUMPTION															
WATER Customer Classes															
Residential Inside	Residential Outside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condos Inside	Multi Housing Apts/Condos Outside	Public Services/Institutional Inside	Public Services/Institutional Outside	Town of Combes Inside	Town of Combes Outside	City of Primera	City of Palm Valley	East Rio Hondo	Military Hwy WSC	Total	
<b>WATER Historical Volume</b>															
FY 2018	1,706,659,500	267,971,200	715,270,000	54,755,100	353,925,900	13,905,100	529,150,200	1,192,600	70,876,700	-	105,970,100	102,284,000	35,818,200	-	3,957,778,600
FY 2019	1,537,621,900	241,000,000	699,766,800	33,979,300	331,443,700	13,337,200	469,001,700	514,600	83,725,200	-	132,246,800	131,384,000	62,106,300	-	3,736,127,500
FY 2020	1,724,862,200	257,356,900	702,250,500	32,881,100	359,317,500	13,937,500	468,034,300	470,800	94,859,200	-	145,454,900	134,524,000	51,776,700	1,045,000	3,986,770,600
FY 2021	1,692,734,500	272,021,400	680,676,800	31,981,800	364,072,300	14,093,700	459,330,400	960,200	93,539,300	-	107,346,200	141,546,000	71,900,500	53,112,000	3,983,315,100
FY 2022	1,657,358,800	260,762,500	701,319,300	34,098,100	383,617,200	13,103,100	502,442,100	972,800	88,673,300	24,000	152,450,100	141,682,500	36,973,000	52,079,000	4,025,555,800
FY 2023	1,583,600,640	264,110,280	639,046,440	36,495,600	383,325,600	12,521,640	458,083,920	1,238,400	110,006,280	900,000	150,227,160	162,374,880	41,663,880	52,696,800	3,896,291,520
<b>WATER Forecast Volume</b>															
TY 2024	1,667,223,404	273,051,518	671,398,901	38,757,694	393,658,947	12,954,607	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,067,655,611
TY 2025	1,679,727,580	275,099,404	676,434,393	39,048,377	396,611,389	13,051,766	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,090,583,449
TY 2026	1,692,325,536	277,162,650	681,507,651	39,341,240	399,585,975	13,149,654	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,113,683,246
TY 2027	1,705,017,978	279,241,370	686,618,958	39,636,299	402,582,869	13,248,277	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,136,956,291
TY 2028	1,717,805,613	281,335,680	691,768,601	39,933,571	405,602,241	13,347,639	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,160,403,884
TY 2029	1,730,689,155	283,445,697	696,956,865	40,233,073	408,644,258	13,447,746	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,184,027,334
TY 2030	1,743,669,323	285,571,540	702,184,042	40,534,821	411,709,090	13,548,604	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,207,827,960
TY 2031	1,756,746,843	287,713,327	707,450,422	40,838,832	414,796,908	13,650,219	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,231,807,091
TY 2032	1,769,922,445	289,871,177	712,756,300	41,145,124	417,907,885	13,752,595	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,255,966,065
TY 2033	1,783,196,863	292,045,210	718,101,972	41,453,712	421,042,194	13,855,740	485,366,700	1,157,500	107,147,600	774,000	153,507,000	168,384,800	42,036,940	52,236,000	4,280,306,231

CHART II-5



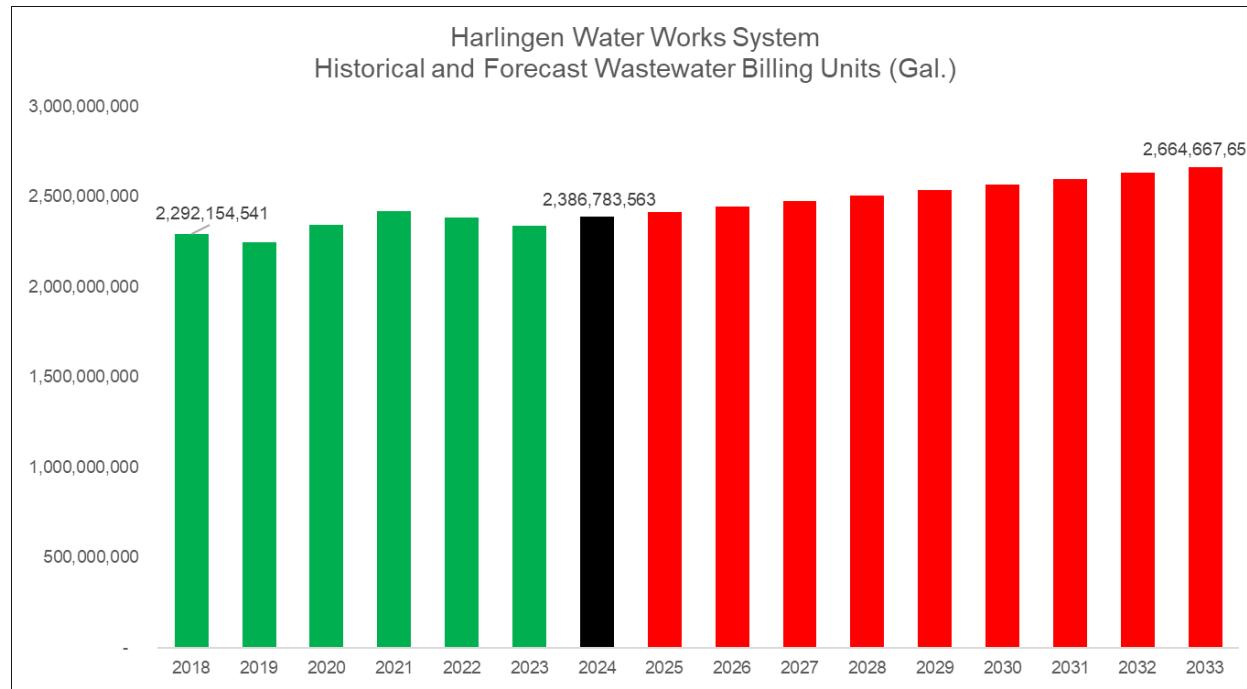
## Historical and Forecast Wastewater Flows

As with water-billed consumption, the project team prepared a ten-year forecast of wastewater billing units. The results of the forecast are presented in **Table II-6** and **Chart II-7**. The table reveals that wastewater billing units are forecast to increase by an annual average rate of 1.23% during the forecast period.

TABLE II-6

HARLINGEN WATERWORKS SYSTEM												
FORECAST BILLLED CONSUMPTION WASTEWATER Customer Classes												
	Residential Inside	Commercial & Industrial Outside	Commercial & Industrial Inside	Multi Housing Apts/Condos Inside	Multi Housing Apts/Condos Outside	Public Services/Institutional Inside	Public Services/Institutional Outside	Town of Combes	City of Primera	Total		
<b>WASTEWATER Historical Volume</b>												
FY 2018	923,744,100	59,378,300	544,538,226	32,494,346	309,474,300	7,502,900	294,572,869	1,066,800	52,575,700	66,807,000	2,292,154,541	
FY 2019	868,805,700	57,395,800	545,249,000	15,316,200	300,186,400	7,300,700	292,728,500	399,000	70,288,700	90,483,000	2,248,153,000	
FY 2020	966,629,900	60,407,500	526,785,400	8,836,600	325,479,800	8,032,100	270,725,600	395,000	79,637,200	98,965,000	2,345,894,100	
FY 2021	995,800,900	65,627,200	530,724,300	8,051,300	333,117,900	7,864,800	266,149,700	916,000	93,020,300	118,722,000	2,419,994,400	
FY 2022	936,404,414	62,798,700	550,824,800	8,229,400	354,890,600	7,771,200	281,821,700	783,000	78,281,300	100,177,000	2,381,982,114	
FY 2023	955,141,242	64,960,320	498,092,160	10,906,080	357,876,240	7,805,760	276,145,080	1,027,320	77,787,480	86,997,600	2,336,739,282	
<b>WASTEWATER Forecast Volume</b>												
TY 2024	968,260,478	65,621,017	518,722,416	11,011,792	366,296,439	8,048,222	282,061,200	953,400	77,315,600	88,493,000	2,386,783,563	
FY 2025	982,784,385	66,605,332	526,503,252	11,176,969	371,790,885	8,168,945	282,061,200	953,400	77,315,600	88,493,000	2,415,852,968	
FY 2026	997,526,151	67,604,412	534,400,801	11,344,623	377,367,749	8,291,479	282,061,200	953,400	77,315,600	88,493,000	2,445,358,415	
FY 2027	1,012,489,043	68,618,478	542,416,813	11,514,793	383,028,265	8,415,851	282,061,200	953,400	77,315,600	88,493,000	2,475,306,443	
FY 2028	1,027,676,378	69,647,756	550,553,065	11,687,515	388,773,689	8,542,089	282,061,200	953,400	77,315,600	88,493,000	2,505,703,691	
FY 2029	1,043,091,524	70,692,472	558,811,361	11,862,827	394,605,294	8,670,220	282,061,200	953,400	77,315,600	88,493,000	2,536,556,899	
FY 2030	1,058,737,897	71,752,859	567,193,531	12,040,770	400,524,374	8,800,274	282,061,200	953,400	77,315,600	88,493,000	2,567,872,904	
FY 2031	1,074,618,965	72,829,152	575,701,434	12,221,381	406,532,239	8,932,278	282,061,200	953,400	77,315,600	88,493,000	2,599,658,650	
FY 2032	1,090,738,250	73,921,589	584,336,956	12,404,702	412,630,223	9,066,262	282,061,200	953,400	77,315,600	88,493,000	2,631,921,182	
FY 2033	1,107,099,324	75,030,413	593,102,010	12,590,773	418,819,676	9,202,256	282,061,200	953,400	77,315,600	88,493,000	2,664,667,651	

CHART II-7



## Peaking Factors

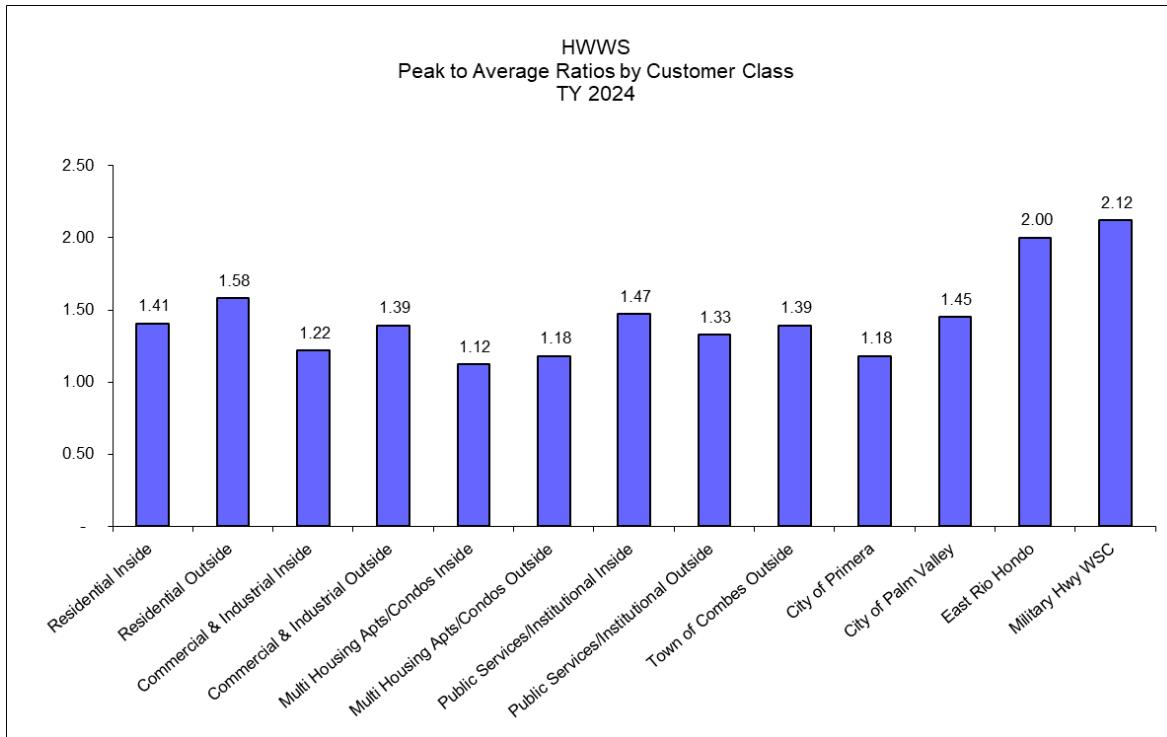
The cost of providing water to customers depends not only on the amount of water each class uses, but also on how that usage occurs over time. The maximum-day and maximum-hour peaking requirements of a water utility's customers are an important influence on the utility's costs. Because water utilities attempt to meet all of the demands of their customers, water systems are sized to meet customers' peak requirements. Therefore, during off-peak periods, there are usually significant costs associated with the unused capacity of the system. These costs must be allocated to customers in proportion to the contribution of each customer class to the system peak, in order to develop equitable cost-based rates. Thus, it is necessary to determine the peak rate of use relative to the average rate of use for each class. This ratio is called a **Peaking Factor**.

The calculation of peaking factors for individual classes relies on available pumping and consumption information as well as professional judgment. It is accepted practice in the water industry to develop peaking factor estimates based on standard formulas using system peak day information and monthly customer class usage records. This is a conservative methodology, since customer class peaking factors based on peak months will inevitably be lower than the system-wide peaking factor, which is based on the peak day.

Based on AWWA guidelines, the customer class peaking factors calculated in this study are for non-coincident peaks. The peaking factors developed for this analysis are based on the annualized water consumption by customer class from August 2022 to July 2023. The calculations of the peaking factors by class are presented graphically in **Chart II-8**.

A general ratemaking rule is that **the higher the peak to average ratio, the higher the unit cost of service for a given customer class**. While this is **not an absolute rule**, it is a good general indicator as to which customer classes are incurring the greatest costs to provide service. This principle will be examined more thoroughly in Section III.

CHART II-8



*Section III*

**SECTION III**

## Water and Wastewater Forecast Revenue Requirement



In this section of the water and wastewater rate study and long-term financial plan, HWWS's test year and forecast water and wastewater utility revenue requirements are developed. The test year consists of the Utility's fiscal year, October 1, 2023 through September 30, 2024. The estimates presented in this section are based on the Utility's proposed budget for FY2024.

The calculation of a revenue requirement differs from a utility's budget in that it represents only that amount that must be raised through the Utility's user rates. This means that non-rate revenue (such as reconnection fees, late payment charges and interest) must be subtracted from the budgeted

operating and capital expenditures to determine the net revenue requirement to be raised from rates.

According to the American Water Works Association ("AWWA") **Manual M-1**, there are two primary generally accepted approaches to determining revenue requirements with additional hybrid variations. Manual M-1 specifically pertains to water ratemaking, although these principles are equally applicable to wastewater ratemaking. The approaches are defined within the manual as follows:

**Cash Needs Approach** – this approach seeks to ensure that utility revenues are sufficient to recover total cash needs for a given period. The revenue requirement components of this approach include O&M expenses, debt-service principal and interest payments, and capital outlays that are not funded by long-term debt. Depreciation expense is not considered to be a cash expense and is therefore not included. The cash-needs approach is generally used by government-owned utilities for *customers who reside inside the city limits* and is generally preferred by most government utilities.

**Utility/Hybrid Basis Approach** – When a government-owned utility provides service to customers outside its geographical limits, the situation is similar to that of an investor-owned utility to its customers because the owner provides service to non-owner customers (customers outside the geographical limits of the city). In this situation, the government-owned utility is entitled to a reasonable return from non-owner customers based on the value of the plant it constructs to provide service to these customers. In these cases, some version of the Utility/Hybrid Approach may be used. The main differences between using the Cash Basis and the Utility/Hybrid Basis in the development of the cost of service is that the cost basis under the Utility/Hybrid Basis includes depreciation and a return on investment but does not include capital outlays or debt principal in the calculation of the revenue requirement.

There are additional burdens for a utility employing the Utility/Hybrid Basis methodology as well, such as a greater complexity of accounting and record keeping issues due to the application of a rate of return on

various components of the utility's rate base and a requirement for the utility to track grants, system development charges, and other contributions in aid of construction associated with specific assets because they reduce the total value of the rate base.

While the Utility basis is generally recommended when providing service outside the city or to wholesale customers, there are hybrid methodologies that can be more applicable to certain situations, including that of HWWS.

To maintain consistency with national ratemaking standards, and to achieve a just and reasonable rate structure for all customers of the HWWS system, the revenue requirement logic built into the rate model is based on the Cash Needs Approach for Retail inside City water customers, Utility/Hybrid Basis for outside City customers, and Cash Needs with Percentage of Used and Useful for Wholesale water customers.

All data used in the development of the revenue requirements was obtained from the financial statements, budgets and other information provided by the Utility. Calculation summaries are presented in the rate model provided in **Appendix A** in conjunction with this report. For rate design purposes, revenue requirements are developed separately for the water and wastewater systems.

Further, **for the purposes of this report, the cost of service will be presented under the Cash Basis.** This is because the predominant number of customers of the HWWS system are subject to the Cash Basis. The Utility/Hybrid basis will be summarized later in this section.

In this section, current and forecast Operating Costs, Capital Outlays, Transfers, and Debt Service will be examined first. Non-rate revenues will be subtracted from the total to yield the Net Revenue Requirement.

## Operating Expenses and Capital Outlays – Test Year

**Table III-1** presents a summary of the Utility's test year 2024 budget for the water and wastewater system. Operating expenditures capture the primary operating expenses associated with the day-to-day management of the water and wastewater utility. The table examines operating expenses and capital outlays only; allocations for debt service are presented in the next section.



TABLE III-1

<b>HARLINGEN WATERWORKS SYSTEM</b>									
<b>WATER Operating Expenses, Transfers and Capital Outlays</b>									
SCENARIO: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base									
		Net Budget	Treatment	Distribution	Admin	Customer Billing			
Department Code									
<b>Operating &amp; Maintenance</b>									
A	Administration (01)	\$ 3,417,781	\$ -	\$ -	\$ 3,417,781	\$ -			
WT	Water Treatment (04)	5,484,144	5,484,144	-	-	-			
CM	Construction Maintenance (08)	482,210	241,105	241,105	-	-			
DS	Distribution Services & Maintenance (13) & (05)	2,136,519	-	2,136,519	-	-			
WOM	Water Operations Mgmt. (38)	679,226	339,613	339,613	-	-			
CS	Customer Service (32)	799,450	-	-	-	799,450			
<b>Total Operating &amp; Maintenance</b>		<b>12,999,330</b>	<b>6,064,862</b>	<b>2,717,237</b>	<b>3,417,781</b>	<b>799,450</b>			
<b>Transfers</b>									
<b>Capital Outlays</b>		<b>896,802</b>	<b>149,500</b>	<b>360,500</b>	<b>386,802</b>	<b>-</b>			
<b>Total WATER Operating Expenses, Transfers and Capital Outlays</b>		<b>\$ 13,896,132</b>	<b>\$ 6,214,362</b>	<b>\$ 3,077,737</b>	<b>\$ 3,804,583</b>	<b>\$ 799,450</b>			
<b>WASTEWATER Operating Expenses, Transfers and Capital Outlays</b>									
		Net Budget	Treatment	Distribution	Admin	Customer Billing			
Department Code									
<b>Operating &amp; Maintenance</b>									
A	Administration (01)	\$ 2,699,638	\$ -	\$ -	\$ 2,699,638	\$ -			
CS	Customer Service (32)	631,470	-	-	-	631,470			
WWC	Wastewater Collection (12)	1,963,880	-	1,963,880	-	-			
PT	Pretreatment (15)	316,000	316,000	-	-	-			
WWOM	Wastewater Operations Mgmt. (39)	331,417	165,709	165,709	-	-			
WWT	Wastewater Treatment (18)	2,637,319	2,637,319	-	-	-			
<b>Total Operating &amp; Maintenance</b>		<b>8,579,724</b>	<b>3,119,028</b>	<b>2,129,589</b>	<b>2,699,638</b>	<b>631,470</b>			
<b>Transfers</b>									
<b>Capital Outlays</b>		<b>1,873,602</b>	<b>42,500</b>	<b>1,444,300</b>	<b>386,802</b>	<b>-</b>			
<b>Total WW Operating Expenses, Transfers and Capital Outlays</b>		<b>\$ 10,453,326</b>	<b>\$ 3,161,528</b>	<b>\$ 3,573,889</b>	<b>\$ 3,086,440</b>	<b>\$ 631,470</b>			
<b>HARLINGEN WATERWORKS SYSTEM</b>									
<b>TEST YEAR Operating Expenses, Transfers and Capital Outlays</b>									
SCENARIO: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base									
		Net Budget	Treatment	Distribution	Admin	Customer Billing			
Department Code									
<b>Operating &amp; Maintenance</b>									
A	Administration (01)	\$ 6,117,419	\$ -	\$ -	\$ 6,117,419	\$ -			
WT	Water Treatment (04)	5,484,144	5,484,144	-	-	-			
CM	Construction Maintenance (08)	482,210	241,105	241,105	-	-			
DS	Distribution Services & Maintenance (13) & (05)	2,136,519	-	2,136,519	-	-			
WOM	Water Operations Mgmt. (38)	679,226	339,613	339,613	-	-			
CS	Customer Service (32)	1,430,920	-	-	-	1,430,920			
WWC	Wastewater Collection (12)	1,963,880	-	1,963,880	-	-			
PT	Pretreatment (15)	316,000	316,000	-	-	-			
WWOM	Wastewater Operations Mgmt. (39)	331,417	165,709	165,709	-	-			
WWT	Wastewater Treatment (18)	2,637,319	2,637,319	-	-	-			
<b>Total Operating &amp; Maintenance</b>		<b>21,579,054</b>	<b>9,183,890</b>	<b>4,846,826</b>	<b>6,117,419</b>	<b>1,430,920</b>			
<b>Transfers</b>									
<b>Capital Outlays</b>		<b>2,770,404</b>	<b>192,000</b>	<b>1,804,800</b>	<b>773,604</b>	<b>-</b>			
<b>Total System Operating Expenses, Transfers and Capital Outlays</b>		<b>\$ 24,349,458</b>	<b>\$ 9,375,890</b>	<b>\$ 6,651,626</b>	<b>\$ 6,891,023</b>	<b>\$ 1,430,920</b>			

As the table shows, the total operating expenses and capital outlays in the test year are **\$24,349,458** of which \$13,896,132 is for the Water Utility, and \$10,453,326 is for the Wastewater Utility. Debt service is examined separately and in detail later in this section.

## Operating Expenses and Capital Outlays – Ten Year Forecast

**Table III-2** presents the project team's ten-year forecast of the Utility's operating expenses and capital outlays. Table III-2 reveals that water-related operating expenses and capital outlays are forecast to increase from the test year total of \$13,896,132 to \$21,814,143 by FY 2033. Wastewater-related operating costs and capital outlays are forecast to increase from the test year total of \$10,453,326 to \$15,592,127 by FY 2033. This represents an average annual increase of 4.9% for the combined water and wastewater utility. This forecast is based on the following set of assumptions:

- Most operating costs are expected to increase at an annual rate of 3.0%, which is approximately equivalent to the rate of inflation.
- In addition to anticipated inflationary increases, there are other factors that are considered when forecasting various expense items. One such factor is that certain expense categories are expected to increase at rates greater than the average inflation rate. Account growth and volume growth will also affect certain expense categories, and some of the expense items are vulnerable to a combination of these greater than average increases. Items that are affected by general inflation, premium escalation, and account growth are primarily energy related items such as gas and electric expenses, fuels, and lubricants.
- Certain expenses will increase at above-inflation rates, to reflect the rapid rate of increase of these costs. These expenses include chemicals, workers' compensation, Medicare and insurance.
- Certain water and wastewater expenses are forecast to increase at a rate which reflects both inflation and the growth of new accounts.

Details behind these calculations can be found in the rate model contained in **Appendix A**.

TABLE III-2

HARLINGEN WATERWORKS SYSTEM										
FORECAST OPERATING EXPENSES AND CAPITAL OUTLAYS										
SCENARIO: 2024 01 22 – Scen IA – Long Delay – Status Quo										
	Water			Wastewater			Total Water & Wastewater			
	Operating Expense	Capital Outlays	Total	Operating Expense	Capital Outlays	Total	Operating Expense	Capital Outlays	Total	
TY 2024	\$ 12,999,330	\$ 896,802	\$ 13,896,132	\$ 8,579,724	\$ 1,873,602	\$ 10,453,326	\$ 21,579,054	\$ 2,770,404	\$ 24,349,458	
FY 2025	13,660,847	1,287,500	14,948,347	9,047,552	1,287,500	10,335,052	22,708,399	2,575,000	25,283,399	
FY 2026	14,361,642	1,326,125	15,687,767	9,543,257	1,326,125	10,869,382	23,904,899	2,652,250	26,557,149	
FY 2027	15,104,065	1,365,909	16,469,974	10,068,635	1,365,909	11,434,544	25,172,700	2,731,818	27,904,517	
FY 2028	15,890,813	1,406,886	17,297,699	10,625,602	1,406,886	12,032,488	26,516,415	2,813,772	29,330,187	
FY 2029	16,597,830	1,449,093	18,046,923	11,216,208	1,449,093	12,665,300	27,814,038	2,898,185	30,712,223	
FY 2030	17,194,562	1,492,565	18,687,128	11,842,642	1,492,565	13,335,207	29,037,204	2,985,131	32,022,335	
FY 2031	18,132,394	1,537,342	19,669,736	12,507,247	1,537,342	14,044,589	30,639,641	3,074,685	33,714,326	
FY 2032	19,127,340	1,583,463	20,710,803	13,212,527	1,583,463	14,795,989	32,339,867	3,166,925	35,506,792	
FY 2033	20,183,176	1,630,966	21,814,143	13,961,161	1,630,966	15,592,127	34,144,337	3,261,933	37,406,270	

## Capital Improvement Plan

The purpose of the Capital Improvement Plan is to rehabilitate and maintain the existing system, expand the system and to service new growth. The capital improvement plan is an integral part of any long-term rate and financing plan.

During the course of this engagement, the project team and HWWS staff evaluated several potential capital improvement plan funding options. The options differed in terms of timing and total magnitude of the expected expenditures. The three primary CIP options evaluated were as follows:

- 4) **Long Delay** – this encompassed a 5-year CIP that focused on eliminating all but the most immediate designated needs in order to overcome pre-existing commission issues.
- 5) **Moderate Delay** – this plan represented a 5-year CIP that overcome pre-existing system issues and designated immediate known system limitations
- 6) **On-Time** – this CIP plan is fully in accordance with master plans developed for the utility by outside engineers. The CIP plan and expenditures are intended to overcome pre-existing system issues and fund all identified short and long-term needs.

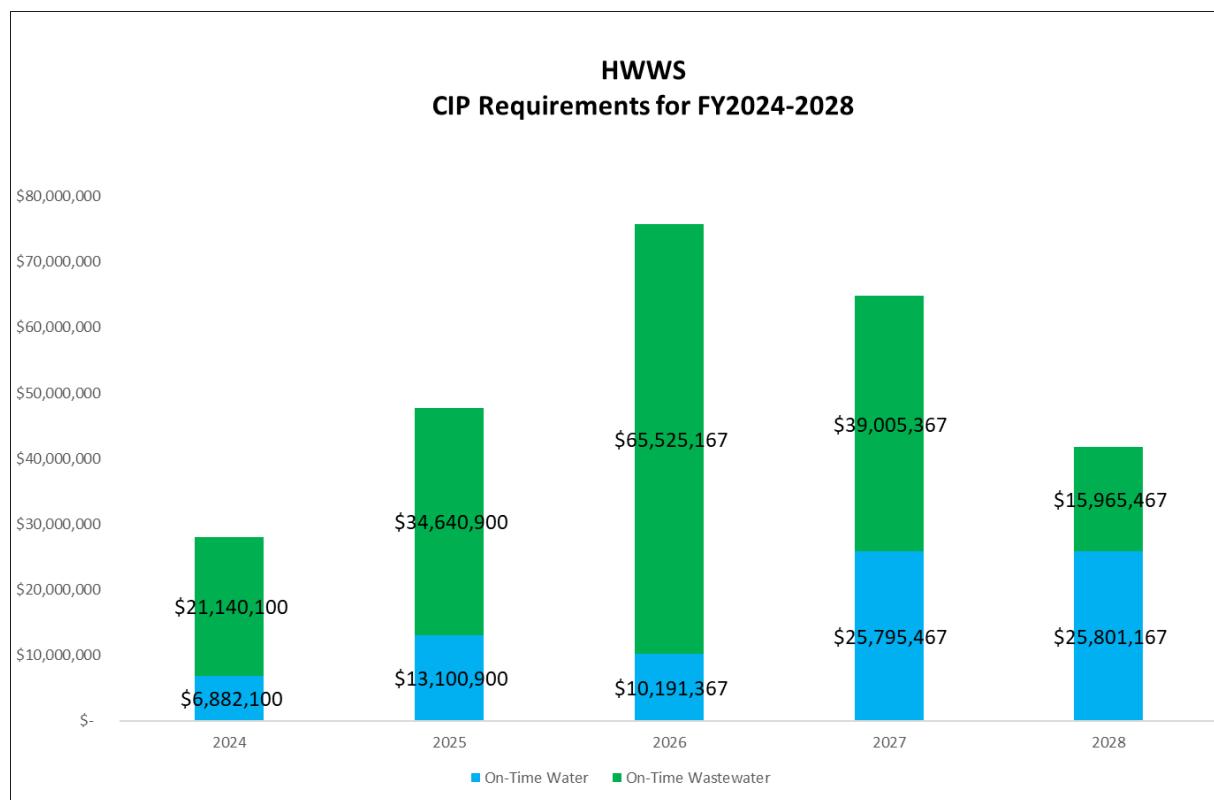
Each of the CIP plans had the following in common:

- All CIPs were for a designated 5-year period.
- The initial two years were consistent across all scenarios and allowed for \$18 million in EDAP funding (\$9 million grant and \$9 million loan).
- All assumptions related to working capital, debt service coverage, impact fees and other financial metrics were intended to be equivalent to current practice.

After review and analysis, HWWS staff determined that the **On-Time Scenario** was the most appropriate funding scenario to utilize in the cost-of-service calculations.

**Chart III-3** on the following page reveals that the Utility's current CIP requirements over the next five years are estimated to be \$81,771,000 million for the water system and \$176,277,000 for the wastewater system, for a combined total of **\$258,048,000**.

CHART III-3



## Existing and Forecast Debt Service

The Utility intends to finance its capital improvements through a combination of EDAP loans, grants, direct fund drawdown, impact fees, and new debt. At present, HWWS maintains debt service on three obligations. In addition, the forecast assumes that the Utility will issue **\$210,600,000** million in new debt over the next 5 years as a combination of bonds and EDAP loans. For the ten-year period the total new debt is forecast to be \$253,000,000. The new debt is forecast to have a 30-year term and 4.0% interest rate. New EDAP loans are expected to have a 20-year term and 4.0% interest rate.

Forecast new bond issues required to fund the On-Time scenario as well as additional assumed capital improvements over the next decade are presented in **Table III-4**.

TABLE III-4

<b>HARLINGEN WATERWORKS SYSTEM FORECAST BOND ISSUES</b>					
		<b>Water</b>	<b>Wastewater</b>		<b>Total</b>
2024	\$	2,150,000	\$ 2,150,000	\$	4,300,000
2025		9,150,000	27,150,000		36,300,000
2026		8,750,000	62,150,000		70,900,000
2027		23,400,000	36,700,000		60,100,000
2028		24,450,000	14,550,000		39,000,000
Sub-Total		67,900,000	142,700,000		<b>210,600,000</b>
2029		6,050,000	2,950,000		9,000,000
2030		6,050,000	2,950,000		9,000,000
2031		6,050,000	2,100,000		8,150,000
2032		6,050,000	2,100,000		8,150,000
2033		6,050,000	2,050,000		8,100,000
Sub-Total		<b>30,250,000</b>	<b>12,150,000</b>		<b>42,400,000</b>
<b>Total</b>	<b>\$</b>	<b>98,150,000</b>	<b>\$ 154,850,000</b>	<b>\$</b>	<b>253,000,000</b>

These assumptions are preliminary in nature and subject to change. Should the Utility Council choose to issue more or less debt than assumed in this study, or should different financing terms be available at the time the debt is issued, then the rate plans contained in this study may require revision.

Table III-4A presents current and forecast annual debt service to fund the CIP under current scenario.

TABLE III-4A

<b>HARLINGEN WATERWORKS SYSTEM CURRENT AND FORECAST DEBT SERVICE</b>					
SCENARIO 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base					
<b>Year</b>	<b>Water</b>		<b>Wastewater</b>		
	<b>Current</b>	<b>Forecast</b>	<b>Current</b>	<b>Forecast</b>	<b>Total</b>
2024	\$ 783,875	\$ -	\$ 783,875	\$ -	\$ 1,567,750
2025	782,663	144,093	782,663	144,093	1,853,511
2026	785,700	711,563	785,700	1,827,897	4,110,860
2027	785,450	1,227,697	785,450	5,493,921	8,292,517
2028	784,475	2,607,985	784,475	7,658,733	11,835,668
2029	792,575	4,050,210	792,575	8,516,989	14,152,349
2030	789,444	4,407,080	789,444	8,691,000	14,676,968
2031	789,853	4,763,949	789,853	8,865,011	15,208,666
2032	616,275	5,120,819	616,275	8,988,883	15,342,252
2033	614,238	5,477,688	614,238	9,112,755	15,818,918

## Non-Rate Revenues

Although sales revenues constitute the majority of the revenue received by HWWS for water and wastewater service, certain amount of revenue is accrued from non-rate sources. These revenues include other general revenues, miscellaneous charges and contractual receipts. These non-rate revenues are subtracted from the overall budget to determine the revenue requirement to be raised from rates. Annual non-rate revenue totals are presented in **Table III-5**.

TABLE III-5

<b>HARLINGEN WATERWORKS SYSTEM FORECAST NON-RATE REVENUES</b>				
<b>SCENARIO:</b>				
<b>2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</b>				
	<b>Water</b>		<b>Wastewater</b>	<b>Total Water &amp; WW</b>
2024	\$ 1,363,673		\$ 1,199,051	\$ 2,562,724
2025	1,363,673		1,199,051	2,562,724
2026	1,363,673		1,199,051	2,562,724
2027	1,363,673		1,199,051	2,562,724
2028	1,363,673		1,199,051	2,562,724
2029	1,363,673		1,199,051	2,562,724
2030	1,363,673		1,199,051	2,562,724
2031	1,363,673		1,199,051	2,562,724
2032	1,363,673		1,199,051	2,562,724
2033	1,363,673		1,199,051	2,562,724

## Net Revenue Requirement – Cash Basis

The net revenue requirement differs from the Utility's budget in that it represents only that amount that must be raised through the Utility's water and wastewater rates. **Table III-6** presents HWWS net revenue requirements for the water and wastewater utility for the test year 2024 and forecast period. Under the current scenario, water net revenue requirement is expected to increase from \$13,316,334 in TY 2024 to \$26,542,395 in FY 2033. The wastewater net revenue requirement is expected to increase from \$10,038,150 in TY 2024 to \$24,120,069 in FY 2033. The combined water and wastewater net revenue requirement is expected to increase from **\$23,254,484** in TY 2024 to **\$50,662,464** in FY 2033. This represents an average annual increase of **9.0%**. Detailed calculations are presented in the rate model contained in **Appendix A** of this report.

TABLE III-6

<b>HARLINGEN WATERWORKS SYSTEM</b>														
<b>CURRENT AND FORECAST NET REVENUE REQUIREMENT</b>														
<b>SCENARIO: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</b>														
		<b>Operating Expenses</b>	<b>Capital Outlays</b>	<b>Debt Service</b>	<b>Total Cost of Service</b>			<b>Less Non-Rate Revenues</b>						
<b>Net Revenue Requirement</b>														
<b>WATER Revenue Requirement</b>														
2024	\$	12,999,330	\$ 896,802	\$ 783,875	\$ 14,680,007	\$ 1,363,673	\$ 13,316,334							
2025		13,660,847	1,287,500	926,756	15,875,103	1,363,673	14,511,430							
2026		14,361,642	1,326,125	1,497,263	17,185,030	1,363,673	15,821,357							
2027		15,104,065	1,365,909	2,013,147	18,483,120	1,363,673	17,119,447							
2028		15,890,813	1,406,886	3,392,460	20,690,159	1,363,673	19,326,486							
2029		16,597,830	1,449,093	4,842,785	22,889,708	1,363,673	21,526,035							
2030		17,194,562	1,492,565	5,196,524	23,883,652	1,363,673	22,519,979							
2031		18,132,394	1,537,342	5,553,802	25,223,539	1,363,673	23,859,866							
2032		19,127,340	1,583,463	5,737,094	26,447,897	1,363,673	25,084,224							
2033		20,183,176	1,630,966	6,091,926	27,906,068	1,363,673	26,542,395							
<b>WASTEWATER Revenue Requirement</b>														
2024	\$	8,579,724	\$ 1,873,602	\$ 783,875	\$ 11,237,201	\$ 1,199,051	\$ 10,038,150							
2025		9,047,552	1,287,500	926,756	11,261,807	1,199,051	10,062,756							
2026		9,543,257	1,326,125	2,613,597	13,482,979	1,199,051	12,283,928							
2027		10,068,635	1,365,909	6,279,371	17,713,914	1,199,051	16,514,863							
2028		10,625,602	1,406,886	8,443,208	20,475,696	1,199,051	19,276,645							
2029		11,216,208	1,449,093	9,309,564	21,974,864	1,199,051	20,775,813							
2030		11,842,642	1,492,565	9,480,444	22,815,651	1,199,051	21,616,600							
2031		12,507,247	1,537,342	9,654,864	23,699,453	1,199,051	22,500,402							
2032		13,212,527	1,583,463	9,605,158	24,401,147	1,199,051	23,202,096							
2033		13,961,161	1,630,966	9,726,992	25,319,120	1,199,051	24,120,069							
<b>TOTAL Revenue Requirement</b>														
2024	\$	21,579,054	\$ 2,770,404	\$ 1,567,750	\$ 25,917,208	\$ 2,562,724	\$ 23,354,484							
2025		22,708,399	2,575,000	1,853,511	27,136,910	2,562,724	24,574,186							
2026		23,904,899	2,652,250	4,110,860	30,668,009	2,562,724	28,105,285							
2027		25,172,700	2,731,818	8,292,517	36,197,035	2,562,724	33,634,311							
2028		26,516,415	2,813,772	11,835,668	41,165,855	2,562,724	38,603,131							
2029		27,814,038	2,898,185	14,152,349	44,864,572	2,562,724	42,301,848							
2030		29,037,204	2,985,131	14,676,968	46,699,303	2,562,724	44,136,579							
2031		30,639,641	3,074,685	15,208,666	48,922,992	2,562,724	46,360,268							
2032		32,339,867	3,166,925	15,342,252	50,849,044	2,562,724	48,286,320							
2033		34,144,337	3,261,933	15,818,918	53,225,188	2,562,724	50,662,464							

## Water Utility Cost Functionalization

Once the total water and wastewater system costs have been identified, the next step in the rate development process is to isolate the costs associated with each system function. Some of these expenditures are a function of base water demand; others are based on the peak demands placed on the system. Certain costs

are associated with serving customers regardless of the volume of water use or wastewater discharge. The basic steps used to allocate the Utility's water revenue requirements include the following:

1. Each system's costs (revenue requirements) are categorized by utility function (i.e. treatment, distribution, administrative, customer). This process is known as *functionalization*.
2. Functionalized costs are classified based on the service characteristics or the types of demand served by the utility (base and maximum day). This process is known as *classification*.
3. Costs by service characteristic are allocated to customer classes in proportion to the service demands demonstrated by each class.

This three-step process allows for the allocation of system costs in the same terms as customer classes. The approaches described in this section follow standard industry practices. Water system costs are allocated to the following functions:

*Treatment* – the process by which raw water is converted to potable water

*Distribution* – the lines that carry water to individual customers' properties

*Administration* – miscellaneous overhead and other non-operating costs

*Customer Billing* – the processes involved in billing and providing other services to customers

The project team allocated operating budget line-item expenses individually to system functions based on general guidelines, specific research and input from the HWWS staff. The results of the allocation process for the test year are summarized in **Table III-7**.

TABLE III-7

HARLINGEN WATERWORKS SYSTEM			
TEST YEAR WATER COST FUNCTIONALIZATION			
SCENARIO:			
2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base			
Function	Revenue Requirement	Percent	
Treatment	\$ 5,712,932	42.9%	
Distribution	3,427,052	25.7%	
Administration	3,451,163	25.9%	
Customer	725,187	5.4%	
<b>Total</b>	<b>13,316,334</b>	<b>100.0%</b>	

## Water Utility Cost Classification

The allocation of functionalized water system costs to service characteristics follows the base-extra capacity cost allocation method recommended by AWWA. Using this method, costs are segregated into the following categories:

*Base costs* – capital costs and O&M expenses associated with service to customers under average demand conditions. This category does not include any costs attributable to variations in water use resulting from peaks in demand. Base costs tend to vary directly with the total quantity of water used.

*Maximum Day/Extra Capacity costs* – costs attributable to facilities that are designed to meet peaking requirements. These costs include capital and operating charges for additional plant and system capacity beyond that required for average usage.

*Customer Billing costs* – costs associated with any aspect of customer service, including billing, accounting, and meter services. These costs are independent of the amount of water used and the size of the customer's meter, and are not subject to peaking factors.

According to AWWA Manual M-1, in the base-extra capacity method, care must be taken in separating costs between those devoted to base capacity and those devoted to extra capacity. The peak to average factor is calculated by dividing the volume on the peak day of the year by the average daily volume. Facilities designed to meet maximum-day requirements, such as the treatment and distribution functions, are allocated 50% (1/2.0) to base, and 50% to extra capacity (Max Day). This means that facilities designed to meet maximum-day requirements, such as the treatment and distribution functions, are allocated 50% to base, and 50% to extra capacity.

All customer service-related costs are allocated 100% to customer billing. Administration costs are generally not directly assignable to individual classifications. Therefore, it is standard rate-making practice to allocate these costs on an indirect basis to service characteristics.

The system-wide costs by service characteristic are shown in **Table III-8**. As with cost functionalization, these percentages are not expected to change significantly in the forecast period.

TABLE III-8

HARLINGEN WATERWORKS SYSTEM TEST YEAR WATER COST CLASSIFICATION			
SCENARIO: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base 2024			
Function	Revenue Requirement	Percent	
Base	\$ 8,211,831	61.67%	
Maximum Day	4,105,916	30.83%	
Customer	998,587	7.50%	
Total	13,316,334	100.0%	

## Water Utility Cost Allocation

Allocation of costs by service characteristic to customer classes is based on the proportionate use levels of each characteristic by each class. The total water utility costs by customer class for the test year are summarized in **Table III-9** and for the ten-year forecast period in **Table III-10**.

TABLE III-9

HARLINGEN WATERWORKS SYSTEM			
TEST YEAR WATER COST ALLOCATION			
SCENARIO:			
2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base			
Function	2024 Revenue Requirement	Percent	
Residential Inside	\$ 5,715,344	42.9%	
Residential Outside	1,377,928	10.3%	
Commercial & Industrial Inside	1,795,752	13.5%	
Commercial & Industrial Outside	157,759	1.2%	
Multi Housing Apts/Condos Inside	937,239	7.0%	
Multi Housing Apts/Condos Outside	44,422	0.3%	
Public Services/Institutional Inside	1,579,996	11.9%	
Public Services/Institutional Outside	4,623	0.0%	
Town of Combes	368,303	2.8%	
City of Primera	523,859	3.9%	
City of Palm Valley	574,628	4.3%	
East Rio Hondo	105,451	0.8%	
Military Hwy WSC	131,028	1.0%	
<b>Total</b>	<b>13,316,334</b>	<b>100.0%</b>	

TABLE III-10

HARLINGEN WATERWORKS SYSTEM														
FORECAST WATER COST ALLOCATION														
SCENAI 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base														
Year	Residential Inside	Residential Outside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condos Inside	Multi Housing Apts/Condos Outside	Public Services/Inst titutional Inside	Public Services/Inst titutional Outside	Town of Combes	City of Primera	City of Palm Valley	East Rio Hondo	Military Hwy WSC	Total
2024	\$ 5,715,344	\$ 1,377,928	\$ 1,795,752	\$ 157,759	\$ 937,239	\$ 44,422	\$ 1,579,996	\$ 4,623	\$ 368,303	\$ 523,859	\$ 574,628	\$ 105,451	\$ 131,028	\$ 13,316,334
2025	6,202,233	1,576,139	1,952,525	180,083	1,021,237	50,076	1,695,688	5,208	393,747	564,096	618,765	112,208	139,425	14,511,430
2026	6,790,562	1,706,135	2,136,519	195,142	1,117,234	54,222	1,841,625	5,595	424,424	608,046	666,974	122,573	152,305	15,821,357
2027	7,288,823	1,971,448	2,291,555	226,358	1,198,579	62,750	1,956,796	6,423	454,360	650,934	714,019	132,617	164,785	17,119,447
2028	8,229,339	2,261,706	2,584,469	260,495	1,351,595	72,077	2,188,413	7,319	507,273	726,740	797,172	151,562	188,326	19,326,486
2029	9,288,902	2,368,424	2,915,260	272,760	1,523,691	75,459	2,453,195	7,603	559,297	801,272	878,927	170,003	211,241	21,526,035
2030	9,756,361	2,465,211	3,061,518	283,910	1,599,922	78,528	2,557,648	7,851	579,925	830,824	911,344	172,541	214,395	22,519,979
2031	10,381,141	2,590,201	3,257,442	298,200	1,702,094	82,480	2,701,973	8,183	608,964	872,427	956,978	178,270	221,513	23,859,866
2032	10,957,224	2,701,798	3,438,596	310,815	1,796,591	85,988	2,832,113	8,466	634,643	909,217	997,334	183,469	227,973	25,084,224
2033	11,645,435	2,828,723	3,654,623	325,234	1,909,223	89,987	2,988,815	8,791	665,757	953,791	1,046,227	189,866	235,922	26,542,395

## Wastewater Utility Cost Functionalization and Classification

Wastewater system costs are allocated to the following functions:

*Treatment -- Volume* – the costs associated with treating wastewater volume discharges

*Collection* – the lines that transport wastewater from customers' properties to the wastewater treatment plant

*Administration* – miscellaneous overhead and other non-operating costs

*Customer Billing* – the processes involved in billing and other services to customers

As was the case for the water system, wastewater utility operating budget line-item expenses are allocated individually to functions. The results of the allocation process are presented on **Table III-11**. As with the water utility, these percentages are not forecast to change significantly during the next five years.

TABLE III-11

HARLINGEN WATERWORKS SYSTEM TEST YEAR WASTEWATER COST FUNCTIONALIZATION			
Function	2024		Percent
	Revenue Requirement		
Treatment	\$ 3,248,985		32.4%
Collection	3,467,970		34.5%
Administration	2,757,106		27.5%
Customer	564,090		5.6%
<b>Total</b>	<b>10,038,150</b>		<b>100.0%</b>

## Wastewater Utility Cost Allocation

Allocation of wastewater utility costs by service characteristic to customer classes is performed in the same manner as described for the water utility. The total wastewater utility costs by customer class for the test year are summarized in **Table III-12** and for the ten-year forecast period in **Table III-13**.

TABLE III-12

<b>HARLINGEN WATERWORKS SYSTEM</b>			
<b>TEST YEAR WASTEWATER COST ALLOCATION</b>			
<b>SCENARIO:</b>			
<b>2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</b>			
Function	Requirement	Revenue	Percent
Residential Inside	\$ 4,425,132	4,425,132	44.1%
Residential Outside	386,187	386,187	3.8%
Commercial & Industrial Inside	2,103,710	2,103,710	21.0%
Commercial & Industrial Outside	56,981	56,981	0.6%
Multi Housing Apts/Condos Inside	1,462,740	1,462,740	14.6%
Multi Housing Apts/Condos Outside	43,298	43,298	0.4%
Public Services/Institutional Inside	1,122,126	1,122,126	11.2%
Public Services/Institutional Outside	5,156	5,156	0.1%
Town of Combes	226,160	226,160	2.3%
City of Primera	<u>206,659</u>	<u>206,659</u>	<u>2.1%</u>
<b>Total</b>	<b>10,038,150</b>	<b>100.0%</b>	

TABLE III-13

<b>HARLINGEN WATERWORKS SYSTEM</b>													
<b>FORECAST WASTEWATER COST ALLOCATION</b>													
<b>SCENARIO:</b>													
<b>2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</b>													
Year	Residential Inside	Residential Outside	Commercial Inside	Commercial & Industrial Inside	Commercial & Industrial Outside	Multi Housing Apts/Condos Inside	Multi Housing Apts/Condos Outside	Public Services/Insti tutional Inside	Public Services/Insti tutional Outside	Town of Combes	City of Primera	Total	
2024	\$ 4,425,132	\$ 386,187	\$ 2,103,710	\$ 56,981	\$ 1,462,740	\$ 43,298	\$ 1,122,126	\$ 5,156	\$ 226,160	\$ 206,659	\$ 10,038,150		
2025	4,424,462	427,099	2,098,335	63,115	1,458,515	47,936	1,102,260	5,624	220,247	215,166	\$ 10,062,756		
2026	5,375,306	483,746	2,600,032	71,729	1,812,132	54,420	1,350,161	6,289	264,925	265,189	\$ 12,283,928		
2027	7,259,929	563,861	3,606,030	83,993	2,522,208	63,633	1,853,051	7,244	280,025	274,890	\$ 16,514,863		
2028	8,454,286	630,137	4,234,242	94,091	2,964,827	71,229	2,146,619	7,988	335,709	337,516	\$ 19,276,645		
2029	9,148,496	655,704	4,589,026	97,842	3,213,896	74,085	2,292,675	8,185	347,505	348,398	\$ 20,775,813		
2030	9,545,846	681,508	4,782,130	101,601	3,348,568	76,952	2,353,347	8,377	358,617	359,655	\$ 21,616,600		
2031	9,965,755	706,019	4,985,891	105,152	3,490,644	79,667	2,416,841	8,545	370,329	371,560	\$ 22,500,402		
2032	10,308,307	730,333	5,146,241	108,628	3,601,897	82,335	2,456,847	8,701	378,896	379,913	\$ 23,202,096		
2033	10,747,391	756,314	5,357,183	112,348	3,748,780	85,188	2,519,123	8,870	391,746	393,127	\$ 24,120,069		

## Net Revenue Requirement – Utility/Hybrid Basis

Calculating the cost of service for outside city customers under the Utility basis is a common and accepted practice in the Utility industry. The AWWA Manual M-1, generally considered to be the definitive source of ratemaking policy in the United States, recommends use of the Utility Basis to calculate the cost of service for outside customers. The Utility Basis differs from the Cash Basis in that it charges depreciation expense and a return on investment, to compensate cities for the risk and investment made in the provision of service to outside city customers. **Table III-14** outlines the difference between the Cash Basis and the Utility Basis.

The City's comprehensive rate model includes a calculation of the cost of service, both in total and for the outside city customer classes. However, **this report has only outlined the cost of service via the cash basis**. The project team concluded that including the numerous detailed utility basis charts in this summary report would result in a document that was excessively lengthy.

**Table III-14**

HARLINGEN WATERWORKS SYSTEM		
Comparison of Revenue Requirements		
Revenue Requirement Component	Cash Basis	Utility Basis
O & M Expenses	X	X
Depreciation		X
Capital Outlays	X	
Debt Principal	X	
Debt Interest	X	
Return on Investment		X

However, a summary of the Utility Basis cost of service is included as **Table III-15**. This chart reveals that over the five-year rate plan forecast period, a utility basis calculation, which would be used for outside city customers, would result in a cost of service that is approximately 44.4% greater for water and 32.0% greater for wastewater than the cash basis cost of service calculations.

The comprehensive utility basis calculation contained in the rate model and summarized in this section clearly justifies the use of a 50.0% premium for water and 0% premium for most wastewater outside city customers, based on the higher cost of service that would be incurred to serve these customers.

It should be noted that for the purposes of this study, the Utility/Hybrid Basis calculation is based on a series of broad assumptions about the timing of debt funding, asset values, and rates of return. The assumptions in this study should not be considered to be definitive, and the project team reserves the right to revisit and adjust these assumptions should circumstances so warrant.

TABLE III-15

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL						
	2024	2025	2026	2027	2028	
<b>TOTAL COST OF SERVICE</b>						
<b>CASH Basis</b>						
Operating Expenses	\$ 12,999,330	\$ 13,660,847	\$ 14,361,642	\$ 15,104,065	\$ 15,890,813	
Capital Outlays	896,802	1,287,500	1,326,125	1,365,909	1,406,886	
Transfers	-	-	-	-	-	
Current Debt Service	783,875	782,663	785,700	785,450	784,475	
Future Debt Service	-	144,093	711,563	1,227,697	2,607,985	
Depreciation	-	-	-	-	-	
Return	-	-	-	-	-	
<b>Total Cost of Service</b>	<b>14,680,007</b>	<b>15,875,103</b>	<b>17,185,030</b>	<b>18,483,120</b>	<b>20,690,159</b>	
Less Non-Rate Revenues	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	
<b>Net Revenue Requirement</b>	<b>13,316,334</b>	<b>14,511,430</b>	<b>15,821,357</b>	<b>17,119,447</b>	<b>19,326,486</b>	
<b>UTILITY Basis</b>						
Operating Expenses	\$ 12,999,330	\$ 13,660,847	\$ 14,361,642	\$ 15,104,065	\$ 15,890,813	
Capital Outlays	-	-	-	-	-	
Transfers	-	-	-	-	-	
Current Debt Service	-	-	-	-	-	
Future Debt Service	-	-	-	-	-	
Depreciation	1,977,100	2,659,331	3,293,197	4,348,957	5,404,998	
Return	3,997,701	5,067,691	5,749,553	7,843,523	10,142,789	
<b>Total Cost of Service</b>	<b>18,974,130</b>	<b>21,387,868</b>	<b>23,404,392</b>	<b>27,296,546</b>	<b>31,438,600</b>	
Less Non-Rate Revenues	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	
<b>Net Revenue Requirement</b>	<b>17,610,457</b>	<b>20,024,195</b>	<b>22,040,719</b>	<b>25,932,873</b>	<b>30,074,927</b>	
<b>Percent Greater than Cash Basis</b>	<b>32.2%</b>	<b>38.0%</b>	<b>39.3%</b>	<b>51.5%</b>	<b>55.6%</b>	
<b>5 Year Average</b>	<b>44.4%</b>					
<b>TOTAL COST OF SERVICE</b>						
<b>CASH Basis</b>						
Operating Expenses	\$ 8,579,724	\$ 9,047,552	\$ 9,543,257	\$ 10,068,635	\$ 10,625,602	
Capital Outlays	1,873,602	1,287,500	1,326,125	1,365,909	1,406,886	
Transfers	-	-	-	-	-	
Current Debt Service	783,875	782,663	785,700	785,450	784,475	
Future Debt Service	-	144,093	1,827,897	5,493,921	7,658,733	
Depreciation	-	-	-	-	-	
Return	-	-	-	-	-	
<b>Total Cost of Service</b>	<b>11,237,201</b>	<b>11,261,807</b>	<b>13,482,979</b>	<b>17,713,914</b>	<b>20,475,696</b>	
Less Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	
<b>Net Revenue Requirement</b>	<b>10,038,150</b>	<b>10,062,756</b>	<b>12,283,928</b>	<b>16,514,863</b>	<b>19,276,645</b>	
<b>UTILITY Basis</b>						
Operating Expenses	\$ 8,579,724	\$ 9,047,552	\$ 9,543,257	\$ 10,068,635	\$ 10,625,602	
Capital Outlays	-	-	-	-	-	
Transfers	-	-	-	-	-	
Current Debt Service	-	-	-	-	-	
Future Debt Service	-	-	-	-	-	
Depreciation	1,801,569	1,931,695	2,236,727	2,706,905	3,068,791	
Return	4,600,392	5,529,004	6,865,529	8,932,006	10,484,393	
<b>Total Cost of Service</b>	<b>14,981,684</b>	<b>16,508,250</b>	<b>18,645,514</b>	<b>21,707,546</b>	<b>24,178,786</b>	
Less Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	
<b>Net Revenue Requirement</b>	<b>13,782,633</b>	<b>15,309,199</b>	<b>17,446,463</b>	<b>20,508,495</b>	<b>22,979,735</b>	
<b>Percent Greater than Cash Basis</b>	<b>37.3%</b>	<b>52.1%</b>	<b>42.0%</b>	<b>24.2%</b>	<b>19.2%</b>	
<b>5 Year Average</b>	<b>32.0%</b>					

*Section IV*

**SECTION IV**

## Water and Wastewater Rate Design



Rate design involves determining charges for each class of customers that will generate a desired level of revenue in accordance with AWWA and other industry cost of service rate-making principles. The water and wastewater rates developed in this section are designed to recover the test year and forecast revenue requirements while providing funding for the identified capital improvements and existing debt service.

In this section the project team presents the final recommended rate plan for the Utility.

During the course of this rate study, HWWS staff, the project team, the HWWS Board of Directors and the City Commission evaluated numerous alternative rate and cost of service scenarios. The scenarios evaluated included but are not limited to the following:

### Types of Rate Plans

- Status Quo
- Conservation-Based
- Higher Monthly Charges
- Lifeline
- Senior Citizen
- Elimination of Wastewater Winter Average

### Rate Plan Scenarios

- “Long-Delay” CIP Financing – Status Quo Rate Plan
- “Long-Delay” CIP Financing – Conservation Rate Plan
- “Long-Delay” CIP Financing – Conservation Rate Plan with Higher Monthly Charges
- “Moderate-Delay” CIP Financing – Status Quo Rate Plan
- “Moderate-Delay” CIP Financing – Conservation Rate Plan
- “Moderate-Delay” CIP Financing – Conservation Rate Plan with Higher Monthly Charges
- “On-Time” CIP Financing – Status Quo Rate Plan
- “On-Time” CIP Financing – Conservation Rate Plan
- “On-Time” CIP Financing – Conservation Rate Plan with Higher Monthly Charges
- Wholesale Rates – Higher Charges
- Lifeline/Senior Citizen Rate and Impact on Existing Rates

After significant analysis, review and deliberation, the Board and City Commission chose the following rate plan:

### **“On-Time” CIP Financing – Conservation Rate Plan with Higher Monthly Charges**

There are three key aspects of this proposed rate plan that will impact monthly ratepayer charges. The first is that the plan is intended to fund all CIP projects identified by the City’s engineers. As shown in Section III, this represents a total of **\$258,048,000** over the next five years. The more CIP that is funded through the rate plan, the higher the rate adjustments that will be required.

The second key aspect involves the development of an inverted block conservation-based volume rate. The purpose of this rate is to charge greater amounts per 1,000 gallons at greater usage levels as a means to provide a financial disincentive for greater levels of water usage. This rate block is intended to apply only to residential customers. The four identified rate blocks are as follows:

- 0 – 3,000 gallons
- 3,001 – 10,000 gallons
- 10,001 – 20,000 gallons
- 20,001 – Above gallons

The project team has found that inverted block rates are generally successful at reducing per meter residential usage, as higher prices do indeed lead to more discretion in usage. At the same time, the lowest volume users, who typically (though not always) are low- and fixed-income residents, are charged the lowest per unit rate for services. However, higher volume users are subject to significant rate adjustments under this rate design format.

The third aspect involves increasing monthly base charges at a higher rate than volume rates. HWWS monthly charges are among the lowest in the region. **Table IV-1** compares the percentage of monthly charges recovered through a monthly charge on 5,000 gallons for cities in the Rio Grande Valley. The table reveals that HWWS is the lowest identified city.

The proposed rate plan is intended to increase HWWS’ monthly charges for 5,000 gallons to 50% of monthly bills within five years. The advantage of this is that this represents guaranteed revenue to the Utility, which lessens financial risk of shortfalls due to lower usage and/or weather conditions. However, this plan can be perceived as assessing a disproportionate increase on lower volume users.

Table IV-1

Entity	Fixed Fee Fraction of 5,000-gallon bill
McAllen	60%
BPUB	44% (lowest other than HWWS)
North Alamo WSC	67%
Weslaco	52%
East Rio Hondo WSC	75%
Mercedes	77%
San Benito	87%
Mission	56%
Pharr	71%
San Juan	59%
Military Highway WSC	82%
Edinburg	67%
La Feria	74%
Raymondville	67%
Olmoto WSC	78%
Other Entity Average	67%
HWWS	34% (not considering winter avg. cap)

The following is also notable about this proposed rate plan:

- The plan is a **five-year plan** with rate adjustments applied for each rate class starting in March 2024 and continuing in January of each year afterwards. The planning horizon for this rate plan is 5 years.
- The fuel charge for water and wastewater is eliminated.
- Outside city water customers continue the City's long-standing policy of paying 50.0% more for water service than inside city customers.
- The wastewater monthly charge for outside city customers remains the same as the inside city rate, with the exception of the monthly charge for residential customers. This monthly charge remains unchanged until it reaches a level of 50.0% greater than inside city customers.
- The most significant impact on rates is the amount of new debt required to fund CIP projects. Should the Utility choose to issue more or less debt than assumed in this study, or should different financing terms be available at the time the debt is issued, then the rate plans contained in this study may require revision.
- The adopted rate plan will ensure that all operating expenses and capital outlays are fully funded.
- The rate plan will allow the Utility to maintain an "AA" credit rating and sound financial standing so capital requirements can be funded with favorable terms when issuing new water and wastewater debt in the next decade.

**Table IV-2** on the next page presents a summary of this proposed water and wastewater rate plan.

TABLE IV-2

HARLINGEN WATERWORKS SYSTEM WATER RATE PLAN										
Scenario:		Proposed Rate Plan								
		Current		Effective	Effective	Effective	Effective	Forecast		
<b>Water Rates – Residential &amp; Commercial Inside</b>										
Monthly Minimum Charge		5/8"	\$ 7.93	\$ 9.91	\$ 12.39	\$ 15.49	\$ 19.36	\$ 23.23		
		1"	10.07	13.16	17.16	22.34	29.04	34.85		
		1 1/2"	14.56	19.85	26.86	36.15	48.40	58.08		
		2"	33.02	43.35	56.77	74.20	96.80	116.16		
		3"	49.17	65.92	87.98	116.94	154.88	185.86		
		4"	112.87	192.55	305.02	461.68	677.61	813.13		
		6"	231.80	378.39	583.79	868.24	1,258.42	1,510.11		
		8"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54		
Residential Volume Rate Per 1,000 Gal										
-		3,000	1.65	1.25	1.25	1.25	1.25	1.25		
3,001		10,000	0.06	1.75	1.93	2.12	2.33	2.54		
10,001		20,000	-	2.50	2.75	3.03	3.33	3.63		
20,001		Above	-	3.00	3.30	3.63	3.99	4.35		
Commercial Volume Rate Per 1,000 Gal										
Volume Charge			1.65	1.83	2.01	2.22	2.44	2.66		
Fuel Cost Adjustment			0.06	-	-	-	-	-		
<b>Water Rates – Residential &amp; Commercial Outside</b>										
Monthly Minimum Charge		5/8"	\$ 12.49	\$ 14.87	\$ 18.59	\$ 23.23	\$ 29.04	\$ 34.85		
		1"	15.09	19.74	25.74	33.51	43.56	52.27		
		1 1/2"	21.86	29.77	40.29	54.22	72.60	87.12		
		2"	49.55	65.02	85.16	111.31	145.20	174.24		
		3"	73.77	98.88	131.96	175.41	232.32	278.79		
		4"	169.32	288.83	457.52	692.52	1,016.42	1,219.70		
		6"	346.97	567.59	875.68	1,302.36	1,887.63	2,265.16		
		8"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81		
Residential Volume Rate Per 1,000 Gal										
-		3,000	2.48	1.88	1.88	1.88	1.88	1.88		
3,001		10,000	0.06	2.63	2.89	3.18	3.49	3.81		
10,001		20,000	-	3.75	4.13	4.54	4.99	5.44		
20,001		Above	-	4.50	4.95	5.45	5.99	6.53		
Commercial Volume Rate Per 1,000 Gal										
Volume Charge			2.48	2.75	3.02	3.32	3.66	3.99		
Fuel Cost Adjustment			0.06	-	-	-	-	-		
<b>Wastewater Rates - Residential &amp; Comm Inside</b>										
Monthly Minimum Charge		5/8"	\$ 6.18	\$ 7.73	\$ 9.66	\$ 12.07	\$ 15.09	\$ 18.86		
		1"	9.44	11.80	14.75	18.44	23.05	28.81		
		1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34		
		2"	25.77	32.21	40.27	50.33	62.92	78.64		
		3"	52.97	66.21	82.77	103.46	129.32	161.65		
		4"	134.60	168.25	210.31	262.89	328.61	410.77		
		6"	276.08	345.10	431.38	539.22	674.02	842.53		
		8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73		
Volume Rate Per 1,000 Gal										
Volume Charge			3.66	4.06	4.47	4.92	5.41	5.89		
Fuel Cost Adjustment			0.11	-	-	-	-	-		
<b>Wastewater Rates - Residential &amp; Comm Outside</b>										
Monthly Minimum Charge		5/8"	\$ 20.50	\$ 20.50	\$ 20.50	\$ 20.50	\$ 22.63	\$ 28.29		
		1"	20.50	20.50	20.50	20.50	22.63	28.29		
		1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34		
		2"	25.77	32.21	40.27	50.33	62.92	78.64		
		3"	52.97	66.21	82.77	103.46	129.32	161.65		
		4"	134.60	168.25	210.31	262.89	328.61	410.77		
		6"	276.08	345.10	431.38	539.22	674.02	842.53		
		8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73		
Volume Rate Per 1,000 Gal										
Volume Charge			3.66	4.06	4.47	4.92	5.41	5.89		
Fuel Cost Adjustment			0.11	-	-	-	-	-		

**Table IV-3** presents the impact the proposed rate plan will have on ratepayers at various levels of consumption. The table presents the total monthly charge for water and wastewater at levels of 3,000, 10,000, 20,000 and 40,000 gallons.

**Table IV-4** shows that debt coverage and fund balance totals are forecast to be sufficient under this proposed rate plan.

**TABLE IV-3**

HARLINGEN WATERWORKS SYSTEM IMPACT ON MONTHLY CUSTOMER CHARGES									
Scenario:		Proposed Rate Plan							
		Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Forecast Jan-28		
<b>Residential Monthly Charge</b>									
3,000 Gal W	Total	\$ 30.55	\$ 33.58	\$ 39.20	\$ 46.06	\$ 54.42	\$ 63.52		
3,000 Gal WW	Increase -- \$		<b>3.03</b>	<b>5.63</b>	<b>6.85</b>	<b>8.36</b>	<b>9.10</b>		
	Increase -- %		9.9%	16.8%	17.5%	18.2%	16.7%		
10,000 Gal W	Total	50.06	53.95	61.62	70.71	81.54	93.08		
5,000 Gal WW	Increase -- \$		<b>3.89</b>	<b>7.67</b>	<b>9.09</b>	<b>10.83</b>	<b>11.54</b>		
	Increase -- %		7.8%	14.2%	14.8%	15.3%	14.2%		
20,000 Gal W	Total	67.16	78.95	89.12	100.96	114.81	129.35		
5,000 Gal WW	Increase -- \$		<b>11.79</b>	<b>10.17</b>	<b>11.84</b>	<b>13.85</b>	<b>14.54</b>		
	Increase -- %		17.6%	12.9%	13.3%	13.7%	12.7%		
<b>Commercial Monthly Charge</b>									
20,000 Gal W	Total	\$ 168.39	\$ 193.44	\$ 226.71	\$ 267.17	\$ 316.62	\$ 365.83		
20,000 Gal WW	Increase -- \$		<b>25.05</b>	<b>33.27</b>	<b>40.46</b>	<b>49.44</b>	<b>49.21</b>		
	Increase -- %		14.9%	17.2%	17.8%	18.5%	15.5%		
40,000 Gal W	Total	277.99	311.32	356.38	409.81	473.52	536.85		
40,000 Gal WW	Increase -- \$		<b>33.33</b>	<b>45.06</b>	<b>53.43</b>	<b>63.71</b>	<b>63.33</b>		

**TABLE IV-4**

	2024	2025	2026	2027	2028
<b>Water &amp; Sewer Fund Balance Drawdown</b>	(3,102,923)	(3,005,800)	(2,016,533)	(1,900,833)	33,367
<b>Water &amp; Sewer Ending Fund Balance</b>	18,872,178	17,182,086	16,946,895	16,109,757	17,543,373
<b>Debt Coverage Ratio</b>	1.43	3.10	2.08	1.46	1.36
<b>Days of Fund Balance</b>	266	231	202	162	156
<b>Use of Impact Fees to Fund CIP</b>	1,100,000	2,800,000	2,800,000	2,800,000	2,800,000

The projected rate revenues developed in this section are forecast to be sufficient to fund all operating and current scheduled capital obligations over the forecast period. Rate revenues will be sufficient to fund the water and wastewater existing debt service and future debt service over the forecast period. However, it should be noted that if there are any significant changes in the financial or growth assumptions in this study, the rate plan will need to be re-evaluated.

**Table IV-5** presents forecast revenues for the five-year rate planning period.

**Table IV-5**

HARLINGEN WATERWORKS SYSTEM FORECAST REVENUES UNDER PROPOSED RATE PLAN						
		2024	2025	2026	2027	2028
<b>2 WATER Revenues</b>						
	<b>Water Revenues</b>					
	<u>Water Rate Revenue</u>					
W1	Residential Inside	\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085
W2	Residential Outside	1,015,830	1,450,834	1,703,709	2,014,919	2,350,352
W3	Commercial & Industrial Inside	1,599,214	1,892,040	2,222,003	2,626,707	3,039,509
W4	Commercial & Industrial Outside	127,995	149,036	172,158	199,891	228,570
W5	Multi Housing Apts/Condos Inside	830,616	960,704	1,105,675	1,279,138	1,456,681
W6	Multi Housing Apts/Condos Outside	51,491	61,516	72,776	86,632	100,999
W7	Public Services/Institutional Inside	1,052,790	1,220,115	1,405,884	1,629,616	1,849,769
W8	Public Services/Institutional Outside	6,178	7,644	9,282	11,338	13,373
W9	Town of Combes Inside	180,003	200,647	223,216	248,667	274,985
W10	Town of Combes Outside	2,048	2,273	2,500	2,750	3,006
W 11	City of Primera	271,823	299,891	329,880	362,868	396,661
W12	City of Palm Valley	298,167	328,957	361,852	398,037	435,105
W13	East Rio Hondo	74,437	82,123	90,336	99,369	108,623
W14	Military Hwy WSC	93,847	103,798	114,441	126,213	138,298
		9,857,006	12,729,223	14,839,104	17,415,714	20,133,015
	Water Reserve Fees	-	-	-	-	-
	Non-Rate Revenues	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673
	<b>Total Revenues</b>	<b>11,220,679</b>	<b>14,092,896</b>	<b>16,202,777</b>	<b>18,779,387</b>	<b>21,496,688</b>
<b>3 WASTEWATER Revenues</b>						
	<b>Wastewater Revenues</b>					
	<u>Wastewater Rate Revenue</u>					
WW1	Residential Inside	\$ 5,338,054	\$ 6,293,045	\$ 7,335,893	\$ 8,583,467	\$ 10,044,940
WW2	Residential Outside	550,775	587,174	625,670	689,475	802,366
WW5	Commercial & Industrial Inside	2,295,034	2,661,138	3,028,950	3,455,143	3,930,845
WW6	Commercial & Industrial Outside	52,494	56,809	64,702	73,858	84,094
WW5	Multi Housing Apts/Condos Inside	1,537,913	1,747,163	1,971,417	2,227,364	2,506,175
WW6	Multi Housing Apts/Condos Outside	46,988	55,752	65,346	76,891	90,528
WW7	Public Services/Institutional Inside	1,205,308	1,352,796	1,507,650	1,682,884	1,871,590
WW8	Public Services/Institutional Outside	5,897	6,935	8,049	9,380	10,941
WW9	Town of Combes	232,643	256,317	281,948	310,143	339,025
WW10	City of Primera	132,770	143,543	157,897	173,687	189,861
		11,397,876	13,160,672	15,047,524	17,282,291	19,870,366
	Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051
	<b>Total Revenues</b>	<b>12,596,927</b>	<b>14,359,723</b>	<b>16,246,575</b>	<b>18,481,342</b>	<b>21,069,417</b>

## Wholesale Rates

HWWS has maintained long-standing relationships with five wholesale water customers: Town of Combes, City of Primera, City of Palm Valley, East Rio Hondo WSC, and Military Highway WSC, and two wholesale wastewater customers: Town of Combs and City of Primera. These enduring partnerships have contributed to the utility's operations and reflect HWWS's commitment to providing essential services to the neighboring communities.

**Chart IV-6** and **Chart IV-7** demonstrate that in the test year wholesale customers were responsible for **12.9%** of overall water consumption and **6.9%** of wastewater flows. At the same time, wholesale revenue constituted only **8.5%** for water and **3.2%** for wastewater services.

CHART IV-6

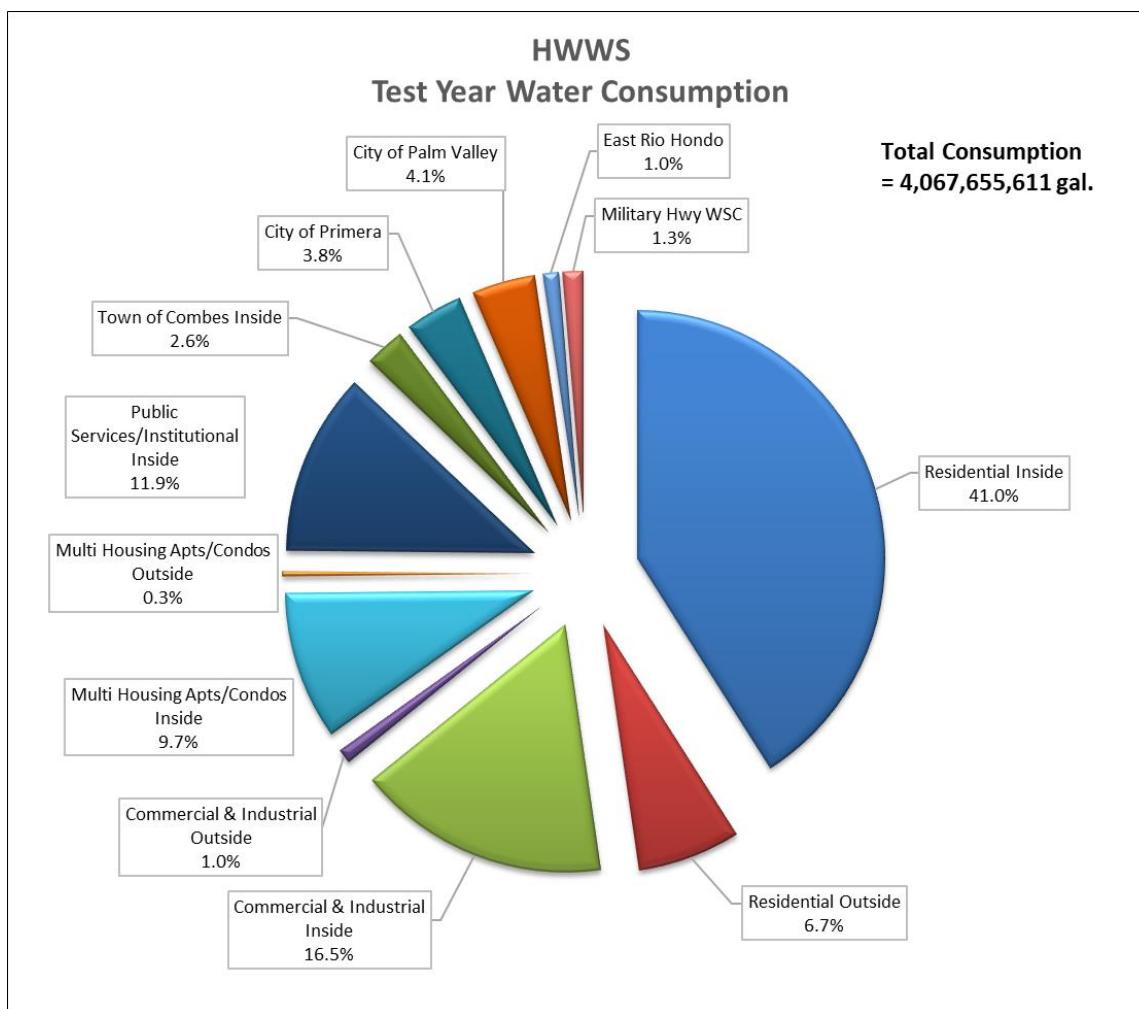
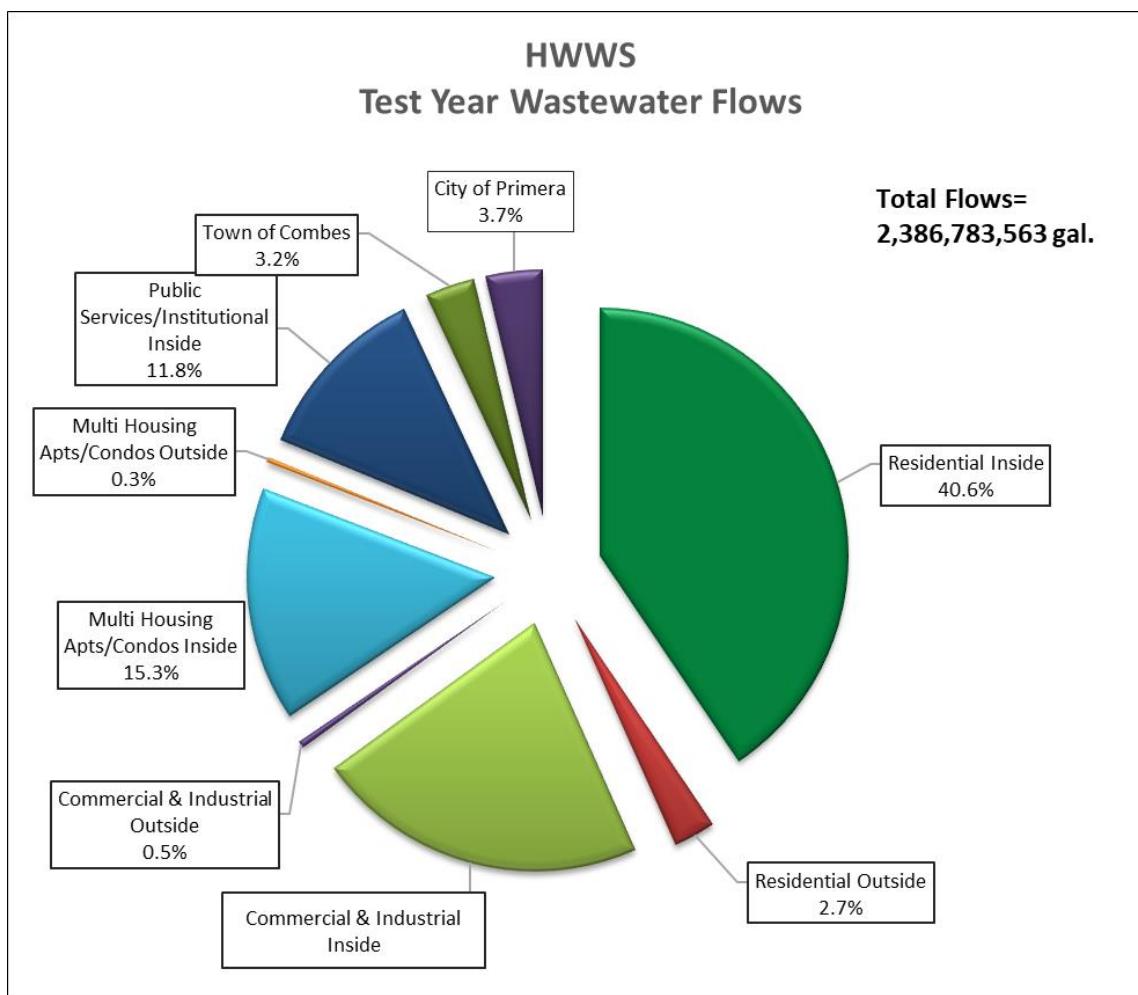


CHART IV-7



The project team has identified that wholesale rates are not recovering enough revenues to cover the cost of service for these customers. Considering that most wholesale contracts will expire in the near future, HWWS must use this opportunity to renegotiate better terms with its customers.

**Table IV-8** on the next page presents the proposed rate plan and the cost-of-service rate for each of the Utility's water and wastewater wholesale customers.

Table IV-8

HARLINGEN WATERWORKS SYSTEM WHOLESALE RATE PLAN									
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Forecast Jan-28	Proposed Rate Plan		
<b>WATER Rates</b>									
<b>Town of Combes Inside</b>									
Monthly Minimum Charge	\$ 954.03	\$ 1,192.54	\$ 1,490.67	\$ 1,863.34	\$ 2,329.17	\$ 2,795.01			
Volume Rate/1,00 Gallons	1.45	1.61	1.77	1.95	2.14	2.34			
Cost of Service Rate/1,000 gallons		3.41	3.67	3.96	4.24	4.73			
<b>City of Primera</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		3.41	3.67	3.96	4.24	4.73			
<b>City of Palm Valley</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		3.41	3.67	3.96	4.24	4.73			
<b>East Rio Hondo</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		2.51	2.67	2.92	3.15	3.61			
<b>Military Hwy WSC</b>									
Monthly Minimum Charge	\$ 100.00	\$ 125.00	\$ 156.25	\$ 195.31	\$ 244.14	\$ 292.97			
Volume Rate/1,00 Gallons	1.65	1.83	2.01	2.22	2.44	2.66			
Cost of Service Rate/1,000 gallons		2.51	2.67	2.92	3.15	3.61			
<b>WASTEWATER Rates</b>									
<b>Town of Combes</b>									
Monthly Minimum Charge	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Volume Rate/1,00 Gallons	-	6,500,000	2.80	3.11	3.42	3.76	4.14	4.51	
6,500,001 Above		3.26	3.62	3.98	4.38	4.82	5.25		
Cost of Service Rate/1,000 gallons		2.93	2.85	3.43	3.62	4.34			
<b>City of Primera</b>									
Monthly Minimum Charge	\$ 861.00	\$ 1,076.25	\$ 1,345.31	\$ 1,681.64	\$ 2,102.05	\$ 2,627.56			
Volume Rate/1,00 Gallons	1.37	1.52	1.67	1.84	2.02	2.21			
Cost of Service Rate/1,000 gallons		2.34	2.43	3.00	3.11	3.81			
Residential Volume Rate Per 1,000 Gal									

## Notes on Rate Recommendations

The forecast and recommendations presented in this study represent a combination of the best information available from HWWS and the project team's expertise. However, this forecast relies in part on assumptions about future events and events beyond the control of the project team (such as account growth rates within the Utility). The forecast and recommendations contained in this study may be subject to revision if any of the following events occurs:

- Actual growth in accounts and consumed volumes is less than (or significantly greater than) forecast.
- Capital improvement plan funding costs increase significantly due to the rising cost of materials or other factors.
- An unforeseen event impacts the Utility, such as an extended recession, natural catastrophe or terrorist attack.
- Significant and long-lasting changes in weather patterns.
- Increases or decreases in interest rates, coverage requirements, or reserve requirements for long-term debt.
- The HWWS's budget levels or priorities change significantly from those forecast in this study.

It should be noted that none of these events are foreseen by the project team or HWWS at this time.

**If any of these events occur, the Utility may be compelled to consider further adjustments to its water and wastewater rates.**

*Appendix A*



# Harlingen Waterworks System

## Ten Year Rate Analysis and Pro Forma

### Fiscal Years 2024 - 2033



**Utility System**

Water  
Sewer  
Combined

**Dashboard**

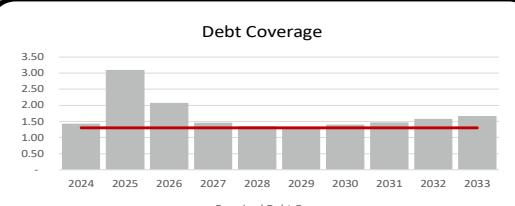
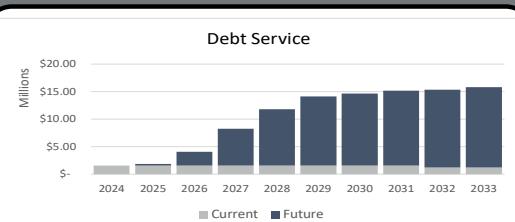
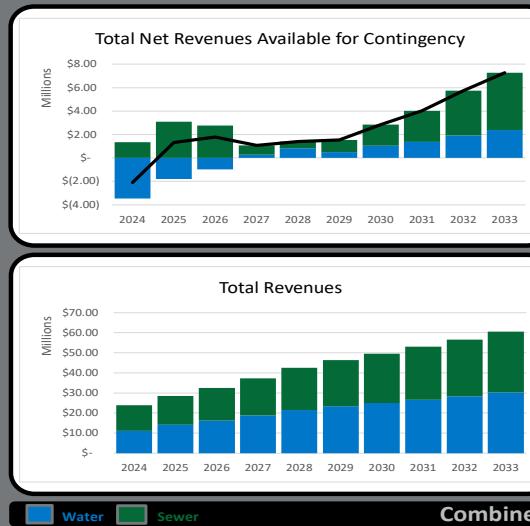
Projections  
Bill Comparison  
Comparable Utilities

**Customer Class**

All Classes

**Years**

10  
5



Future Debt Term

30

**Water Future Bond Issues**

Alternative	Proposed
2024	\$ 2,150,000
2025	\$ 9,150,000
2026	\$ 8,750,000
2027	\$ 23,400,000
2028	\$ 24,450,000
2029	\$ 6,050,000
2030	\$ 6,050,000
2031	\$ 6,050,000
2032	\$ 6,050,000
2033	\$ 98,150,000

**Sewer Future Bond Issues**

Alternative	Proposed
2024	\$ 2,150,000
2025	\$ 27,150,000
2026	\$ 62,150,000
2027	\$ 36,700,000
2028	\$ 14,550,000
2029	\$ 2,950,000
2030	\$ 2,950,000
2031	\$ 2,100,000
2032	\$ 2,100,000
2033	\$ 2,050,000

154,850,000

**Water Rate Adjustments**

Meter Charge

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Meter Charge	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Volume Charge	↑	↑	↑	↑	↑	↑	↓	↑	↑	↑

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**Sewer Rate Adjustments**

Base Charge

	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Base Charge	25.00%	25.00%	25.00%	25.00%	25.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Volume Charge	↑	↑	↑	↑	↑	↑	↓	↑	↑	↑

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# HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL

**Current**      **Effective Mar-24**      **Effective Jan-25**      **Effective Jan-26**      **Effective Jan-27**      **Effective Jan-28**      **Effective Jan-29**      **Effective Jan-30**      **Effective Jan-31**      **Effective Jan-32**      **Effective Jan-33**

## **Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

## **1 Water Monthly Rates and Charges**

### **CITY Water Rate and Charges**

**W1 Residential Inside**

### Monthly Minimum Charge

### Volume Rate/1,000 Ga

-	3,000	1.65	1.25	1.25	1.25	1.25	1.25	1.33	1.40	1.49	1.58	1.67
3,001	10,000	0.06	1.75	1.93	2.12	2.33	2.54	2.69	2.85	3.02	3.21	3.40
10,001	20,000	-	2.50	2.75	3.03	3.33	3.63	3.84	4.08	4.32	4.58	4.85
20,001	Above	-	3.00	3.30	3.63	3.99	4.35	4.61	4.89	5.18	5.49	5.82

**W2 Residential Outside**

**Monthly Minimum Charge**

### Volume Rate/1,000 Gal

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33	

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**W3 Commercial & Industrial Inside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	7.93		9.91	12.39	15.49	19.36	23.23	24.63	26.10	27.67	29.33	31.09
1"	10.07		13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00	46.64
1 1/2"	14.56		19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33	77.73
2"	33.02		43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65	155.45
3"	49.17		65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64	248.72
4"	112.87		192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56	1,088.16
6"	231.80		378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48	2,020.86
8"	426.15		746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63
10"	426.15		746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63

**Volume Rate/1,000 Gal**

- Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**W4 Commercial & Industrial Outside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	12.49		14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64
1"	15.09		19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95
1 1/2"	21.86		29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59
2"	49.55		65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18
3"	73.77		98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08
4"	169.32		288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24
6"	346.97		567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30
8"	639.24		1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95

**Volume Rate/1,000 Gal**

- Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33	

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**W5 Multi Housing Apts/Condos Inside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	7.93		9.91	12.39	15.49	19.36	23.23	24.63	26.10	27.67	29.33	31.09
1"	10.07		13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00	46.64
1 1/2"	14.56		19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33	77.73
2"	33.02		43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65	155.45
3"	49.17		65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64	248.72
4"	112.87		192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56	1,088.16
6"	231.80		378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48	2,020.86
8"	426.15		746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63
10"	426.15		746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63

**Volume Rate/1,000 Gal**

- Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**W6 Multi Housing Apts/Condos Outside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	12.49		14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64
1"	15.09		19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95
1 1/2"	21.86		29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59
2"	49.55		65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18
3"	73.77		98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08
4"	169.32		288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24
6"	346.97		567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30
8"	639.24		1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95
10"	639.24		1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95

**Volume Rate/1,000 Gal**

- Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33	

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**W7 Public Services/Institutional Inside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	7.93		9.91	12.39	15.49	19.36	23.23	24.63	26.10	27.67	29.33	31.09
1"	10.07		13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00	46.64
1 1/2"	14.56		19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33	77.73
2"	33.02		43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65	155.45
3"	49.17		65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64	248.72
4"	112.87		192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56	1,088.16
6"	231.80		378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48	2,020.86
8"	426.15		746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63
10"	426.15		746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63

**Volume Rate/1,000 Gal**

- Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**W8 Public Services/Institutional Outside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	12.49		14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64
1"	15.09		19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95
1 1/2"	21.86		29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59
2"	49.55		65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18
3"	73.77		98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08
4"	169.32		288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24
6"	346.97		567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30

**Volume Rate/1,000 Gal**

- Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33	

**Water Summary****Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base****W9 Town of Combes Inside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$ 954.03	\$ 1,192.54	\$ 1,490.67	\$ 1,863.34	\$ 2,329.17	\$ 2,795.01	\$ 2,962.71	\$ 3,140.47	\$ 3,328.90	\$ 3,528.64	\$ 3,740.35
5/8"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35
1"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35
1 1/2"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35
2"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35
3"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35
4"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35
6"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35

**Volume Rate/1,000 Gal**

- Volume Charge	1.45	1.61	1.77	1.95	2.14	2.34	2.48	2.62	2.78	2.95	3.12
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**W10 Town of Combes Outside****Monthly Minimum Charge**

Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-

**Volume Rate/1,000 Gal**

- Volume Charge	2.48	2.75	3.03	3.33	3.66	3.99	4.23	4.49	4.76	5.04	5.34
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**W11 City of Primera**Monthly Minimum Charge

5/8"	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3/4"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-

Volume Rate/1,000 Gal

- Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
- Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**W12 City of Palm Valley**Monthly Minimum Charge

5/8"	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3/4"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-

Volume Rate/1,000 Gal

- Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
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HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33	

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**W13 East Rio Hondo**Monthly Minimum Charge

5/8"	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3/4"	-	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-	-

Volume Rate/1,000 Gal

- Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
-uel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

**W14 Military Hwy WSC**Monthly Minimum Charge

5/8"	\$ 100.00	\$ 125.00	\$ 156.25	\$ 195.31	\$ 244.14	\$ 292.97	\$ 310.55	\$ 329.18	\$ 348.93	\$ 369.87	\$ 392.06
3/4"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
1"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
1 1/2"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
2"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
3"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
4"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
6"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
8"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
10"	100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06

Volume Rate/1,000 Gal

-	-	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
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HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33

**Water Summary****Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base****2 Wastewater Monthly Rates and Charges****Residential Inside****Monthly Minimum Charge**

5/8"	6.18	7.73	9.66	12.07	15.09	18.86	19.99	21.19	22.46	23.81	25.24
1"	9.44	11.80	14.75	18.44	23.05	28.81	30.54	32.37	34.31	36.37	38.55
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

**Volume Rate/1,000 Gal**

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**Residential Outside****Monthly Minimum Charge**

5/8"	20.50	20.50	20.50	20.50	22.63	28.29	29.99	31.79	33.69	35.72	37.86
1"	20.50	20.50	20.50	20.50	22.63	28.29	29.99	31.79	33.69	35.72	37.86
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

**Volume Rate/1,000 Gal**

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**Commercial & Industrial Inside****Monthly Minimum Charge**

5/8"	6.18	7.73	9.66	12.07	15.09	18.86	19.99	21.19	22.46	23.81	25.24
1"	9.44	11.80	14.75	18.44	23.05	28.81	30.54	32.37	34.31	36.37	38.55
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
10"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

**Volume Rate/1,000 Gal**

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**Commercial & Industrial Outside**Monthly Minimum Charge

5/8"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
10"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

Volume Rate/1,000 Gal

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**Multi Housing Apts/Condos Inside**Monthly Minimum Charge

5/8"	6.18	7.73	9.66	12.07	15.09	18.86	19.99	21.19	22.46	23.81	25.24
1"	9.44	11.80	14.75	18.44	23.05	28.81	30.54	32.37	34.31	36.37	38.55
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
10"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

Volume Rate/1,000 Gal

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**Multi Housing Apts/Condos Outside**Monthly Minimum Charge

5/8"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
10"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

Volume Rate/1,000 Gal

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**Public Services/Institutional Inside**Monthly Minimum Charge

5/8"	6.18	7.73	9.66	12.07	15.09	18.86	19.99	21.19	22.46	23.81	25.24
1"	9.44	11.80	14.75	18.44	23.05	28.81	30.54	32.37	34.31	36.37	38.55
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
10"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20

Volume Rate/1,000 Gal

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**Public Services/Institutional Outside**Monthly Minimum Charge

5/8"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49

Volume Rate/1,000 Gal

- Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**Town of Combes**Monthly Minimum Charge

5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-

Volume Rate/1,000 Gal

- 6,500,000	2.80	3.11	3.42	3.76	4.14	4.51	4.78	5.07	5.37	5.69	6.03
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33

**Water Summary**

Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base

**City of Primera**Monthly Minimum Charge

5/8"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
1"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
1 1/2"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
2"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
3"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
4"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
6"	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27

Volume Rate/1,000 Gal

- Volume Charge	1.37	1.52	1.67	1.84	2.02	2.21	2.34	2.48	2.63	2.79	2.95
- Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-

**3 Residential Monthly Charges -- WATER****3,000 Gallons**Residential -- 5/8" Meter

Total	\$ 13.06	\$ 13.66	\$ 16.14	\$ 19.24	\$ 23.11	\$ 26.98	\$ 28.60	\$ 30.32	\$ 32.14	\$ 34.06	\$ 36.11
Dollar Inc		0.60	2.48	3.10	3.87	3.87	1.62	1.72	1.82	1.93	2.04
Percent Inc		4.6%	18.1%	19.2%	20.1%	16.8%	6.0%	6.0%	6.0%	6.0%	6.0%

**5,000 Gallons**Residential -- 5/8" Meter

Total	\$ 16.48	\$ 17.16	\$ 19.99	\$ 23.47	\$ 27.77	\$ 32.06	\$ 33.98	\$ 36.02	\$ 38.18	\$ 40.48	\$ 42.90
Dollar Inc		0.68	2.83	3.48	4.30	4.29	1.92	2.04	2.16	2.29	2.43
Percent Inc		4.1%	16.5%	17.4%	18.3%	15.5%	6.0%	6.0%	6.0%	6.0%	6.0%

**10,000 Gallons**Residential -- 5/8" Meter

Total	25.03	25.91	29.62	34.06	39.42	44.75	47.44	50.29	53.30	56.50	59.89
Dollar Inc		0.88	3.70	4.45	5.35	5.34	2.69	2.85	3.02	3.20	3.39
Percent Inc		3.5%	14.3%	15.0%	15.7%	13.5%	6.0%	6.0%	6.0%	6.0%	6.0%

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33

**Water Summary****Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base****20,000 Gallons****Residential -- 5/8" Meter**

Total	42.13	50.91	57.12	64.31	72.69	81.02	85.89	91.04	96.50	102.29	108.43
Dollar Inc		8.78	6.20	7.20	8.38	8.33	4.86	5.15	5.46	5.79	6.14
Percent Inc		20.8%	12.2%	12.6%	13.0%	11.5%	6.0%	6.0%	6.0%	6.0%	6.0%

**30,000 Gallons****Residential -- 5/8" Meter**

Total	59.23	80.91	90.12	100.61	112.62	124.55	132.02	139.94	148.34	157.24	166.67
Dollar Inc		21.68	9.20	10.50	12.01	11.93	7.47	7.92	8.40	8.90	9.43
Percent Inc		36.6%	11.4%	11.6%	11.9%	10.6%	6.0%	6.0%	6.0%	6.0%	6.0%

**4 Commercial Monthly Charges -- WATER****20,000 Gallons****Commercial -- 2" Meter**

Total	\$ 67.22	\$ 79.98	\$ 97.07	\$ 118.53	\$ 145.56	\$ 169.30	\$ 179.46	\$ 190.23	\$ 201.64	\$ 213.74	\$ 226.57
Dollar Inc		12.76	17.09	21.46	27.03	23.75	10.16	10.77	11.41	12.10	12.82
Percent Inc		19.0%	21.4%	22.1%	22.8%	16.3%	6.0%	6.0%	6.0%	6.0%	6.0%

**40,000 Gallons****Commercial -- 2" Meter**

Total	101.42	116.61	137.36	162.85	194.31	222.45	235.79	249.94	264.94	280.83	297.68
Dollar Inc		15.19	20.75	25.49	31.46	28.14	13.35	14.15	15.00	15.90	16.85
Percent Inc		15.0%	17.8%	18.6%	19.3%	14.5%	6.0%	6.0%	6.0%	6.0%	6.0%

**5 Residential Monthly Charges -- WASTEWATER****3,000 Gallons****Residential -- 5/8" meter**

Total	\$ 17.49	\$ 19.91	\$ 23.06	\$ 26.82	\$ 31.31	\$ 36.54	\$ 38.73	\$ 41.06	\$ 43.52	\$ 46.13	\$ 48.90
Dollar Inc		2.42	3.15	3.75	4.49	5.23	2.19	2.32	2.46	2.61	2.77
Percent Inc		13.9%	15.8%	16.3%	16.8%	16.7%	6.0%	6.0%	6.0%	6.0%	6.0%

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	Effective Mar-24	Effective Jan-25	Effective Jan-26	Effective Jan-27	Effective Jan-28	Effective Jan-29	Effective Jan-30	Effective Jan-31	Effective Jan-32	Effective Jan-33		

**Water Summary****Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base****5,000 Gallons****Residential -5/8" meter**

Total	\$ 25.03	\$ 28.04	\$ 32.00	\$ 36.65	\$ 42.12	\$ 48.33	\$ 51.23	\$ 54.30	\$ 57.56	\$ 61.02	\$ 64.68	
Dollar Inc	3.01	3.96	4.65	5.48	6.21	6.94	7.60	8.37	9.07	9.45	9.66	
Percent Inc	12.0%	14.1%	14.5%	14.9%	14.7%	14.7%	14.7%	14.7%	14.7%	14.7%	14.7%	

**10,000 Gallons****Residential -5/8" meter**

Total	43.88	48.35	54.34	61.23	69.16	77.80	82.47	87.42	92.66	98.22	104.11	
Dollar Inc	4.47	5.99	6.88	7.93	8.64	9.46	10.47	11.95	13.24	15.24	15.56	
Percent Inc	10.2%	12.4%	12.7%	13.0%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	

**15,000 Gallons****Residential -5/8" meter**

Total	62.73	68.66	76.69	85.81	96.20	107.27	113.71	120.53	127.76	135.43	143.55	
Dollar Inc	5.93	8.03	9.12	10.39	11.07	11.44	12.62	13.23	14.23	15.23	16.07	
Percent Inc	9.5%	11.7%	11.9%	12.1%	11.5%	11.5%	11.5%	11.5%	11.5%	11.5%	11.5%	

**20,000 Gallons****Residential -5/8" meter**

Total	81.58	88.98	99.03	110.39	123.23	136.74	144.94	153.64	162.86	172.63	182.99	
Dollar Inc	7.40	10.06	11.35	12.85	13.51	13.51	8.20	8.70	9.22	9.77	10.36	
Percent Inc	9.1%	11.3%	11.5%	11.6%	11.6%	11.6%	6.0%	6.0%	6.0%	6.0%	6.0%	

**6 Commercial Monthly Charges – WASTEWATER****20,000 Gallons -- 2" Meter****Commercial -- 2" Meter**

Total	\$ 101.17	\$ 113.46	\$ 129.64	\$ 148.65	\$ 171.06	\$ 196.52	\$ 208.31	\$ 220.81	\$ 234.06	\$ 248.11	\$ 262.99	
Dollar Inc	12.29	16.18	19.00	22.41	25.46	11.79	12.50	13.25	14.04	14.04	14.89	
Percent Inc	12.2%	14.3%	14.7%	15.1%	14.9%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	

**40,000 Gallons -- 2" Meter****Commercial -- 2" Meter**

Total	176.57	194.72	219.02	246.96	279.21	314.40	333.27	353.26	374.46	396.93	420.74	
Dollar Inc	18.15	24.30	27.94	32.25	35.20	18.86	20.00	21.20	22.47	22.47	23.82	
Percent Inc	10.3%	12.5%	12.8%	13.1%	12.6%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL														
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033			
<b>Forecast Summary</b>														
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base														
<b>1 Water and Wastewater Rates</b>														
<b>Water Rates -- Residential</b>														
<u>Monthly Minimum Charge --5/8"</u>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Volume Rate Per 1,000 Gal</u>	- 3,000	1.65	1.25	1.25	1.25	1.25	1.25	1.33	1.40	1.49	1.58	1.67		
<b>Water Rates -- Commercial</b>														
<u>Monthly Minimum Charge --2"</u>	\$ 49.55	\$ 65.02	\$ 85.16	\$ 111.31	\$ 145.20	\$ 174.24	\$ 184.70	\$ 195.78	\$ 207.53	\$ 219.98	\$ 233.18			
<u>Volume Rate Per 1,000 Gal</u>	- 3,000	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33		
<b>Wastewater Rates - Residential</b>														
Monthly Minimum Charge	0 \$ -	\$ 3.66	\$ 4.06	\$ 4.47	\$ 4.92	\$ 5.41	\$ 5.89	\$ 6.25	\$ 6.62	\$ 7.02	\$ 7.44	\$ 7.89		
Volume Rate/1,000 Gal														
<b>Wastewater Rates - Commercial</b>														
Monthly Minimum Charge	2" \$ 25.77	\$ 32.21	\$ 40.27	\$ 50.33	\$ 62.92	\$ 78.64	\$ 83.36	\$ 88.36	\$ 93.67	\$ 99.29	\$ 105.24			
Volume Rate/1,000 Gal														
<b>2 Residential Standard Monthly Bill -- 1" Meter</b>														
5,000 Gal Water & WW	Total Increase -- \$	5/5 \$ 41.51	\$ 45.20	\$ 51.99	\$ 60.12	\$ 69.89	\$ 80.39	\$ 85.21	\$ 90.33	\$ 95.75	\$ 101.49	\$ 107.58		
	Increase -- %		3.69	6.79	8.13	9.77	10.50	4.82	5.11	5.42	6.0%	6.0%	6.0%	6.0%
8.9%	15.0%													
10,000 Gal Water; WW	Total Increase -- \$	7/5 68.91	74.26	83.96	95.29	108.58	122.55	129.91	137.70	145.96	154.72	164.01		
	Increase -- %		5.35	9.70	11.33	13.29	13.98	7.35	7.79	8.26	8.76	9.28		
7.8%	13.1%													
20,000 Gal Water; 10K WW	Total Increase -- \$	15/10 86.01	99.26	111.46	125.54	141.85	158.82	168.35	178.45	189.16	200.51	212.54		
	Increase -- %		13.25	12.20	14.08	16.31	16.97	9.53	10.10	10.71	11.35	12.03		
15.4%	12.3%													
<b>Commercial Monthly Bill -- All Meters</b>														
40,000 Gal Water & WW	Total Increase -- \$	\$ 277.99	\$ 311.32	\$ 356.38	\$ 409.81	\$ 473.52	\$ 536.85	\$ 569.06	\$ 603.20	\$ 639.40	\$ 677.76	\$ 718.43		
	Increase -- %		33.33	45.06	53.43	63.71	63.33	32.21	34.14	36.19	38.36	40.67		
12.0%	14.5%													

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Forecast Summary</b>												
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base												
<b>3 Fund Balance, Revenues and Expenses</b>												
Beginning of TY Fund Balance	\$ 24,074,703											
TY Transfer/Use												
Revised Beginning Fund Balance	\$ 24,074,703	\$ 18,872,178	\$ 17,182,086	\$ 16,946,895	\$ 16,109,757	\$ 17,543,373	\$ 19,091,870	\$ 21,969,576	\$ 26,042,408	\$ 31,829,675		
<b>Revenues and Expenses</b>												
Water Rate Revenues	9,857,006	12,729,223	14,839,104	17,415,714	20,133,015	22,024,858	23,575,376	25,235,782	27,013,914	28,918,171		
WW Rate Revenues	11,397,876	13,160,672	15,047,524	17,282,291	19,870,366	21,799,887	23,413,309	25,146,718	27,009,073	29,010,005		
Non-Rate Revenues	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724		
Total Revenues	23,817,606	28,452,618	32,449,352	37,260,729	42,566,105	46,387,469	49,551,408	52,945,224	56,585,711	60,490,900		
Operating Expenses	21,579,054	22,708,399	23,904,899	25,172,700	26,516,415	27,814,038	29,037,204	30,639,641	32,339,867	34,144,337		
<b>Net Revenues for Transfers, Capital Outlays and Debt Service</b>	<b>2,238,552</b>	<b>5,744,219</b>	<b>8,544,453</b>	<b>12,088,029</b>	<b>16,049,690</b>	<b>18,573,431</b>	<b>20,514,204</b>	<b>22,305,583</b>	<b>24,245,844</b>	<b>26,346,563</b>		
Capital Outlays	2,770,404	2,575,000	2,652,250	2,731,818	2,813,772	2,898,185	2,985,131	3,074,685	3,166,925	3,261,933		
Total Operating Expense/Capital Outlays	24,349,458	25,283,399	26,557,149	27,904,517	29,330,187	30,712,223	32,022,335	33,714,326	35,506,792	37,406,270		
Net Revenues Available for Debt Service/Transfers	(531,852)	3,169,219	5,892,203	9,356,212	13,235,918	15,675,246	17,529,073	19,230,898	21,078,919	23,084,630		
Current Debt Service	1,567,750	1,565,325	1,571,400	1,570,900	1,568,950	1,585,150	1,578,888	1,579,706	1,232,550	1,228,475		
Future Debt Service	-	288,186	2,539,460	6,721,617	10,266,718	12,567,199	13,098,080	13,628,960	14,109,702	14,590,443		
Total Debt Service	1,567,750	1,853,511	4,110,860	8,292,517	11,835,668	14,152,349	14,676,968	15,208,666	15,342,252	15,818,918		
<b>Transfers</b>												
Budgeted Transfers - Water	-	-	-	-	-	-	-	-	-	-		
Budgeted Transfers - Wastewater	-	-	-	-	-	-	-	-	-	-		
<b>Total Contingencies &amp; Transfers</b>	<b>-</b>											
<b>Total Cost of Service</b>	<b>25,917,208</b>	<b>27,136,910</b>	<b>30,668,009</b>	<b>36,197,035</b>	<b>41,165,855</b>	<b>44,864,572</b>	<b>46,699,303</b>	<b>48,922,992</b>	<b>50,849,044</b>	<b>53,225,188</b>		
<b>Net Revenues</b>	<b>(2,099,602)</b>	<b>1,315,708</b>	<b>1,781,343</b>	<b>1,063,695</b>	<b>1,400,250</b>	<b>1,522,896</b>	<b>2,852,106</b>	<b>4,022,232</b>	<b>5,736,667</b>	<b>7,265,712</b>		
Percent of COS	-8.1%	4.8%	5.8%	2.9%	3.4%	3.4%	6.1%	8.2%	11.3%	13.7%		
<b>Direct Fund Balance Drawdown for CIP</b>	<b>(3,102,923)</b>	<b>(3,005,800)</b>	<b>(2,016,533)</b>	<b>(1,900,833)</b>	<b>33,367</b>	<b>25,600</b>	<b>25,600</b>	<b>50,600</b>	<b>50,600</b>	<b>600</b>		
TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE		
<b>Ending Water &amp; Sewer Combined Fund Balance</b>	<b>\$ 18,872,178</b>	<b>\$ 17,182,086</b>	<b>\$ 16,946,895</b>	<b>\$ 16,109,757</b>	<b>\$ 17,543,373</b>	<b>\$ 19,091,870</b>	<b>\$ 21,969,576</b>	<b>\$ 26,042,408</b>	<b>\$ 31,829,675</b>	<b>\$ 39,095,987</b>		
<b>Revenue Adequacy Tests</b>												
Total Exp (Budgetary Basis)	25,917,208	27,136,910	30,668,009	36,197,035	41,165,855	44,864,572	46,699,303	48,922,992	50,849,044	53,225,188		
Expenses per Day	71,006	74,348	84,022	99,170	112,783	122,917	127,943	134,036	139,312	145,822		
FB as % of Operating (Goal is 25%)	291%	253%	221%	178%	170%	170%	188%	213%	250%	294%		
Number of Working Capital Days	266	231	202	162	156	155	172	194	228	268		
Debt Coverage (excludes Capital Outlays and G/F Transfers)	1.43	3.10	2.08	1.46	1.36	1.31	1.40	1.47	1.58	1.67		
<b>Portion of FB available for Annual Repair /Repl Fund</b>	<b>\$ 17,097,027</b>	<b>\$ 15,323,393</b>	<b>\$ 14,846,347</b>	<b>\$ 13,630,508</b>	<b>\$ 14,723,794</b>	<b>\$ 16,018,954</b>	<b>\$ 18,770,993</b>	<b>\$ 22,691,518</b>	<b>\$ 28,346,864</b>	<b>\$ 35,450,426</b>		

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Forecast Summary</b>											
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base											
<b>5 Total Accounts</b>											
<b>Water Accounts</b>											
Total Accounts	28,051	28,462	28,880	29,303	29,733	30,169	30,612	31,061	31,517	31,981	
New Accounts	-	-	-	-	-	-	-	-	-	-	
Avg. Annual Growth Rate		1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%
<b>Wastewater Accounts</b>											
Total Accounts	22,157	22,483	22,815	23,151	23,492	23,838	24,190	24,547	24,909	25,277	
New Accounts	-	307	312	317	321	326	331	336	341	346	
Avg. Annual Growth Rate		1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.48%	1.48%	1.48%	1.48%
<b>6 Annual Volume</b>											
<b>Water Volume</b>											
W1 Residential Inside	1,667,223,404	1,679,727,580	1,692,325,536	1,705,017,978	1,717,805,613	1,730,689,155	1,743,669,323	1,756,746,843	1,769,922,445	1,783,196,863	
W2 Residential Outside	273,051,518	275,099,404	277,162,650	279,241,370	281,335,680	283,445,697	285,571,540	287,713,327	289,871,177	292,045,210	
W3 Commercial & Industrial Inside	671,398,901	676,434,393	681,507,651	686,618,958	691,768,601	696,956,865	702,184,042	707,450,422	712,756,300	718,101,972	
W4 Commercial & Industrial Outside	38,757,694	39,048,377	39,341,240	39,636,299	39,933,571	40,233,073	40,534,821	40,838,832	41,145,124	41,453,712	
W5 Multi Housing Apts/Condos Inside	393,658,947	396,611,389	399,585,975	402,582,869	405,602,241	408,644,258	411,709,090	414,796,908	417,907,885	421,042,194	
W6 Multi Housing Apts/Condos Outside	12,954,607	13,051,766	13,149,654	13,248,277	13,347,639	13,447,746	13,548,604	13,650,219	13,752,595	13,855,740	
W7 Public Services/Institutional Inside	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	
W8 Public Services/Institutional Outside	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	
W9 Town of Combes Inside	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	
W10 Town of Combes Outside	774,000	774,000	774,000	774,000	774,000	774,000	774,000	774,000	774,000	774,000	
W11 City of Primera	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	
W12 City of Palm Valley	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	
W13 East Rio Hondo	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	
W14 Military Hwy WSC	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	
Total System	4,067,655,611	4,090,583,449	4,113,683,246	4,136,956,291	4,160,403,884	4,184,027,334	4,207,827,960	4,231,807,091	4,255,966,065	4,280,306,231	
<b>Wastewater Billing Units</b>											
WW1 Residential Inside	968,260,478	982,784,385	997,526,151	1,012,489,043	1,027,676,378	1,043,091,524	1,058,737,897	1,074,618,965	1,090,738,250	1,107,099,324	
WW2 Residential Outside	65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
WW3 Commercial & Industrial Inside	518,722,416	526,503,252	534,400,801	542,416,813	550,553,065	558,811,361	567,193,531	575,701,434	584,336,956	593,102,010	
WW4 Commercial & Industrial Outside	11,011,792	11,176,969	11,344,623	11,514,793	11,687,515	11,862,827	12,040,770	12,221,381	12,404,702	12,590,773	
WW5 Multi Housing Apts/Condos Inside	366,296,439	371,790,885	377,367,749	383,028,265	388,773,689	394,605,294	400,524,374	406,532,239	412,630,223	418,819,676	
WW6 Multi Housing Apts/Condos Outside	8,048,222	8,168,945	8,291,479	8,415,851	8,542,089	8,670,220	8,800,274	8,932,278	9,066,262	9,202,256	
WW7 Public Services/Institutional Inside	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	
WW8 Public Services/Institutional Outside	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	
WW9 Town of Combes	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	
WW10 City of Primera	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	
Total System	2,386,783,563	2,415,852,968	2,445,358,415	2,475,306,443	2,505,703,691	2,536,556,899	2,567,872,904	2,599,658,650	2,631,921,182	2,664,667,651	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Revenue and Expense Summary</b>												
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base												
<b>TOTAL Revenues and Expenses -- CASH BASIS</b>												
<b>Revenues</b>												
<b>Rate Revenue</b>												
Water Rate Revenue	\$ 9,857,006	\$ 12,729,223	\$ 14,839,104	\$ 17,415,714	\$ 20,133,015	\$ 22,024,858	\$ 23,575,376	\$ 25,235,782	\$ 27,013,914	\$ 28,918,171		
Wastewater Rate Revenue	\$ 11,397,876	\$ 13,160,672	\$ 15,047,524	\$ 17,282,291	\$ 19,870,366	\$ 21,799,887	\$ 23,413,309	\$ 25,146,718	\$ 27,009,073	\$ 29,010,005		
	21,254,882	25,889,894	29,886,628	34,698,005	40,003,381	43,824,745	46,988,684	50,382,500	54,022,987	57,928,176		
Water Reserve Fees	-	-	-	-	-	-	-	-	-	-	-	
Non-Rate Revenues	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	
<b>Total Revenues</b>	<b>23,817,606</b>	<b>28,452,618</b>	<b>32,449,352</b>	<b>37,260,729</b>	<b>42,566,105</b>	<b>46,387,469</b>	<b>49,551,408</b>	<b>52,945,224</b>	<b>56,585,711</b>	<b>60,490,900</b>		
<b>Cost of Service</b>												
<b>Department Code</b>												
A Administration (01)	\$ 6,117,419	\$ 6,423,415	\$ 6,745,954	\$ 7,086,001	\$ 7,444,580	\$ 7,822,778	\$ 8,221,753	\$ 8,642,734	\$ 9,087,029	\$ 9,556,029		
WT Water Treatment (04)	5,484,144	5,742,276	6,016,529	6,307,835	6,617,376	6,819,486	6,881,892	7,254,148	7,650,317	8,072,092		
PT Pretreatment (15)	316,000	331,158	347,084	363,821	381,412	399,903	419,342	439,781	461,275	483,881		
CM Construction Maintenance (08)	482,210	510,457	540,456	572,324	606,183	642,165	680,411	721,072	764,309	810,294		
DS Distribution Services & Maintenance (13) & (05)	2,136,519	2,262,233	2,395,773	2,537,656	2,688,432	2,848,691	3,019,063	3,200,224	3,392,895	3,597,848		
CS Customer Service (32)	1,430,920	1,510,871	1,595,559	1,685,282	1,780,358	1,881,126	1,987,949	2,101,211	2,221,326	2,346,733		
WOM Water Operations Mgmt. (38)	679,226	713,024	748,509	785,765	824,881	865,951	909,071	954,346	1,001,881	1,051,792		
WT Water Treatment (04)	-	-	-	-	-	-	-	-	-	-	-	
WWC Wastewater Collection (12)	1,963,880	2,074,532	2,191,895	2,316,405	2,448,527	2,588,757	2,737,629	2,895,709	3,063,607	3,241,973		
Total Operating Expenses	21,579,054	22,708,399	23,904,899	25,172,700	26,516,415	27,814,038	29,037,204	30,639,641	32,339,867	34,144,337		
<b>Net Revenues for Transfers, Capital Outlays and Debt Service</b>	<b>2,238,552</b>	<b>5,744,219</b>	<b>8,544,453</b>	<b>12,088,029</b>	<b>16,049,690</b>	<b>18,573,431</b>	<b>20,514,204</b>	<b>22,305,583</b>	<b>24,245,844</b>	<b>26,346,563</b>		
Capital Outlays	2,770,404	2,575,000	2,652,250	2,731,818	2,813,772	2,898,185	2,985,131	3,074,685	3,166,925	3,261,933		
<b>Debt Service</b>												
Debt Service -- Current	1,567,750	1,565,325	1,571,400	1,570,900	1,568,950	1,585,150	1,578,888	1,579,706	1,232,550	1,228,475		
Debt Service -- Future	-	288,186	2,539,460	6,721,617	10,266,718	12,567,199	13,098,080	13,628,960	14,109,702	14,590,443		
Total Debt Service	1,567,750	1,853,511	4,110,860	8,292,517	11,835,668	14,152,349	14,676,968	15,208,666	15,342,252	15,818,918		
<b>Transfers</b>												
Total Transfers	-	-	-	-	-	-	-	-	-	-	-	
<b>Total Cost of Service</b>	<b>25,917,208</b>	<b>27,136,910</b>	<b>30,668,009</b>	<b>36,197,035</b>	<b>41,165,855</b>	<b>44,864,572</b>	<b>46,699,303</b>	<b>48,922,992</b>	<b>50,849,044</b>	<b>53,225,188</b>		
<b>Net Revenues</b>	<b>24,861,007</b>	<b>(2,099,602)</b>	<b>1,315,708</b>	<b>1,781,343</b>	<b>1,063,695</b>	<b>1,400,250</b>	<b>1,522,896</b>	<b>2,852,106</b>	<b>4,022,232</b>	<b>5,736,667</b>	<b>7,265,712</b>	
Percent of COS	-8.6%	4.6%	5.5%	2.9%	3.3%	3.3%	5.8%	7.6%	10.1%	12.0%		
<b>Debt Coverage</b>	<b>1.43</b>	<b>3.10</b>	<b>2.08</b>	<b>1.46</b>	<b>1.36</b>	<b>1.31</b>	<b>1.40</b>	<b>1.47</b>	<b>1.58</b>	<b>1.67</b>		
(excludes Capital Outlays, G/F Transfers)												

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Revenue and Expense Summary</b>												
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base												
<b>WATER Revenues and Expenses -- CASH BASIS</b>												
<b>Water Revenues</b>												
<b>Water Rate Revenue</b>												
W1 Residential Inside Scenario I	\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085	\$ 10,707,241	\$ 11,488,114	\$ 12,326,093	\$ 13,225,367	\$ 14,190,431		
W2 Residential Outside Scenario I	1,015,830	1,450,834	1,703,709	2,014,919	2,350,352	2,582,625	2,770,415	2,971,899	3,188,077	3,420,026		
W4 Commercial & Industrial Outside Scenario I	127,995	149,036	172,158	199,891	228,570	249,243	266,835	285,672	305,842	327,441		
W9 Town of Combes Inside Scenario I	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537		
W10 Town of Combes Outside Scenario I	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059		
W3 Commercial & Industrial Inside	1,599,214	1,892,040	2,222,003	2,626,707	3,039,509	3,325,313	3,562,392	3,816,426	4,088,630	4,380,307		
W5 Multi Housing Apts/Condos Inside	830,616	960,704	1,105,675	1,279,138	1,456,681	1,585,950	1,697,346	1,816,587	1,944,227	2,080,859		
W6 Multi Housing Apts/Condos Outside	51,491	61,516	72,776	86,632	100,999	110,804	118,771	127,312	136,470	146,288		
W7 Public Services/Institutional Inside	1,052,790	1,220,115	1,405,884	1,629,616	1,849,769	1,997,111	2,116,938	2,243,954	2,378,592	2,521,307		
W8 Public Services/Institutional Outside	6,178	7,644	9,282	11,338	13,373	14,583	15,458	16,386	17,369	18,411		
W 11 City of Primera	271,823	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546		
W12 City of Palm Valley	298,167	328,957	361,852	398,037	435,105	465,316	493,235	522,829	554,198	587,450		
W13 East Rio Hondo	74,437	82,123	90,336	99,369	108,623	116,165	123,135	130,523	138,355	146,656		
W14 Military Hwy WSC	93,847	103,798	114,441	126,213	138,298	148,006	156,886	166,299	176,277	186,854		
	9,857,006	12,729,223	14,839,104	17,415,714	20,133,015	22,024,858	23,575,376	25,235,782	27,013,914	28,918,171		
<b>Water Reserve Fees</b>												
Non-Rate Revenues (Includes Leander Water Reserve Fees)												
Total Revenues	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	
	<b>11,220,679</b>	<b>14,092,896</b>	<b>16,202,777</b>	<b>18,779,387</b>	<b>21,496,688</b>	<b>23,388,531</b>	<b>24,939,049</b>	<b>26,599,455</b>	<b>28,377,587</b>	<b>30,281,844</b>		
<b>Water Cost of Service</b>												
<b>Department Code</b>												
A Administration (01)	\$ 3,417,781	\$ 3,588,740	\$ 3,768,941	\$ 3,958,924	\$ 4,159,261	\$ 4,370,559	\$ 4,593,465	\$ 4,828,665	\$ 5,076,892	\$ 5,338,920		
WT Water Treatment (04)	5,484,144	5,742,276	6,016,529	6,307,835	6,617,376	6,819,486	6,881,892	7,254,148	7,650,317	8,072,092		
PT Pretreatment (15)	-	-	-	-	-	-	-	-	-	-		
CM Construction Maintenance (08)	482,210	510,457	540,456	572,324	606,183	642,165	680,411	721,072	764,309	810,294		
DS Distribution Services & Maintenance (13) & (05)	2,136,519	2,262,233	2,395,773	2,537,656	2,688,432	2,848,691	3,019,063	3,200,224	3,392,895	3,597,848		
CS Customer Service (32)	799,450	844,118	891,433	941,561	994,680	1,050,979	1,110,660	1,173,939	1,241,047	1,312,229		
WOM Water Operations Mgmt. (38)	679,226	713,024	748,509	785,765	824,881	865,951	909,071	954,346	1,001,881	1,051,792		
WWC Wastewater Collection (12)	-	-	-	-	-	-	-	-	-	-		
WWOM Wastewater Operations Mgmt. (39)	-	-	-	-	-	-	-	-	-	-		
WWT Wastewater Treatment (18)	-	-	-	-	-	-	-	-	-	-		
Total	12,999,330	13,660,847	14,361,642	15,104,065	15,890,813	16,597,830	17,194,562	18,132,394	19,127,340	20,183,176		
Total Operating Expenses	12,999,330	13,660,847	14,361,642	15,104,065	15,890,813	16,597,830	17,194,562	18,132,394	19,127,340	20,183,176		
<b>Net Revenues for Transfers, Capital Outlays and Debt Service</b>	<b>(1,778,651)</b>	<b>432,048</b>	<b>1,841,135</b>	<b>3,675,323</b>	<b>5,605,875</b>	<b>6,790,701</b>	<b>7,744,487</b>	<b>8,467,061</b>	<b>9,250,247</b>	<b>10,098,668</b>		
Capital Outlays	896,802	1,287,500	1,326,125	1,365,909	1,406,886	1,449,093	1,492,565	1,537,342	1,583,463	1,630,966		
<b>Debt Service</b>												
Debt Service -- Current	783,875	782,663	785,700	785,450	784,475	792,575	789,444	789,853	616,275	614,238		
Debt Service -- Future	-	144,093	711,563	1,227,697	2,607,985	4,050,210	4,407,080	4,763,949	5,120,819	5,477,688		
Total Debt Service	783,875	926,756	1,497,263	2,013,147	3,392,460	4,842,785	5,196,524	5,553,802	5,737,094	6,091,926		
<b>Transfers</b>												
Total Transfers	-	-	-	-	-	-	-	-	-	-		

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Revenue and Expense Summary</b>											
<b>Scen:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base											
Total Cost of Service		14,680,007	15,875,103	17,185,030	18,483,120	20,690,159	22,889,708	23,883,652	25,223,539	26,447,897	27,906,068
<b>Net Revenues</b>	<b>2,114,611</b>	<b>(3,459,328)</b>	<b>(1,782,207)</b>	<b>(982,253)</b>	<b>296,267</b>	<b>806,529</b>	<b>498,823</b>	<b>1,055,397</b>	<b>1,375,916</b>	<b>1,929,690</b>	<b>2,375,776</b>
Percent of COS	-30.8%	-12.6%	-6.1%	1.6%	3.8%	2.1%	4.2%	5.2%	6.8%	7.8%	
<b>Debt Coverage</b> (excludes Capital Outlays, G/F Transfers)	(2.27)	0.47	1.23	1.83	1.65	1.40	1.49	1.52	1.61	1.66	
<b>5 Revenues and Expenses -- CASH BASIS</b>											
<b>Wastewater Revenues</b>											
<b>Wastewater Rate Revenue</b>											
WW1 Residential Inside	\$ 5,338,054	\$ 6,293,045	\$ 7,335,893	\$ 8,583,467	\$ 10,044,940	\$ 11,092,669	\$ 11,934,603	\$ 12,840,439	\$ 13,815,029	\$ 14,863,589	
WW2 Residential Outside	550,775	587,174	625,670	689,475	802,366	889,303	956,801	1,029,422	1,107,555	1,191,618	
WW5 Commercial & Industrial Inside	2,295,034	2,661,138	3,028,950	3,455,143	3,930,845	4,302,127	4,628,658	4,979,974	5,357,954	5,764,622	
WW6 Commercial & Industrial Outside	52,494	56,809	64,702	73,858	84,094	92,060	99,047	106,565	114,653	123,356	
WW5 Multi Housing Apts/Condos Inside	1,537,913	1,747,163	1,971,417	2,227,364	2,506,175	2,733,039	2,940,477	3,163,659	3,403,781	3,662,128	
WW6 Multi Housing Apts/Condos Outside	46,988	55,752	65,346	76,891	90,528	100,159	107,761	115,940	124,740	134,207	
WW7 Public Services/Institutional Inside	1,205,308	1,352,796	1,507,650	1,682,884	1,871,590	2,012,974	2,133,753	2,261,778	2,397,485	2,541,334	
WW8 Public Services/Institutional Outside	5,897	6,935	8,049	9,380	10,941	11,946	12,663	13,423	14,228	15,082	
WW9 Town of Combes	232,643	256,317	281,948	310,143	339,025	362,565	384,319	407,378	431,821	457,730	
WW10 City of Primera	132,770	143,543	157,897	173,687	189,861	203,044	215,227	228,140	241,829	256,338	
	11,397,876	13,160,672	15,047,524	17,282,291	19,870,366	21,799,887	23,413,309	25,146,718	27,009,073	29,010,005	
Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051
<b>Total Revenues</b>	<b>12,596,927</b>	<b>14,359,723</b>	<b>16,246,575</b>	<b>18,481,342</b>	<b>21,069,417</b>	<b>22,998,938</b>	<b>24,612,360</b>	<b>26,345,769</b>	<b>28,208,124</b>	<b>30,209,056</b>	
<b>Wastewater Cost of Service</b>											
<b>Department Code</b>											
A Administration (01)	\$ 2,699,638	\$ 2,834,675	\$ 2,977,013	\$ 3,127,077	\$ 3,285,319	\$ 3,452,219	\$ 3,628,288	\$ 3,814,068	\$ 4,010,137	\$ 4,217,109	
WT Water Treatment (04)	-	-	-	-	-	-	-	-	-	-	
PT Pretreatment (15)	316,000	331,158	347,084	363,821	381,412	399,903	419,342	439,781	461,275	483,881	
CM Construction Maintenance (08)	-	-	-	-	-	-	-	-	-	-	
DS Distribution Services & Maintenance (13) & (05)	-	-	-	-	-	-	-	-	-	-	
CS Customer Service (32)	631,470	666,753	704,126	743,721	785,678	830,148	877,289	927,272	980,279	1,036,504	
WOM Water Operations Mgmt. (38)	-	-	-	-	-	-	-	-	-	-	
WWC Wastewater Collection (12)	1,963,880	2,074,532	2,191,895	2,316,405	2,448,527	2,588,757	2,737,629	2,895,709	3,063,607	3,241,973	
WWOM Wastewater Operations Mgmt. (39)	331,417	347,946	365,303	383,530	402,670	422,771	443,879	466,047	489,326	513,774	
WWT Wastewater Treatment (18)	2,637,319	2,792,488	2,957,836	3,134,081	3,321,996	3,522,410	3,736,216	3,964,370	4,207,903	4,467,920	
<b>Total</b>	<b>8,579,724</b>	<b>9,047,552</b>	<b>9,543,257</b>	<b>10,068,635</b>	<b>10,625,602</b>	<b>11,216,208</b>	<b>11,842,642</b>	<b>12,507,247</b>	<b>13,212,527</b>	<b>13,961,161</b>	
Total Operating Expenses	8,579,724	9,047,552	9,543,257	10,068,635	10,625,602	11,216,208	11,842,642	12,507,247	13,212,527	13,961,161	
<b>Net Revenues for Transfers,Capital Outlays and Debt Service</b>	<b>4,017,202</b>	<b>5,312,171</b>	<b>6,703,318</b>	<b>8,412,707</b>	<b>10,443,815</b>	<b>11,782,730</b>	<b>12,769,718</b>	<b>13,838,522</b>	<b>14,995,597</b>	<b>16,247,895</b>	
Capital Outlays	1,873,602	1,287,500	1,326,125	1,365,909	1,406,886	1,449,093	1,492,565	1,537,342	1,583,463	1,630,966	
<b>Debt Service</b>											
Debt Service -- Current	783,875	782,663	785,700	785,450	784,475	792,575	789,444	789,853	616,275	614,238	
Debt Service -- Future	-	144,093	1,827,897	5,493,921	7,658,733	8,516,989	8,691,000	8,865,011	8,988,883	9,112,755	
Total Debt Service	783,875	926,756	2,613,597	6,279,371	8,443,208	9,309,564	9,480,444	9,654,864	9,605,158	9,726,992	
<b>Net Revenues for Contingencies &amp; Transfers</b>	<b>1,359,725</b>	<b>3,097,915</b>	<b>2,763,596</b>	<b>767,428</b>	<b>593,721</b>	<b>1,024,073</b>	<b>1,796,708</b>	<b>2,646,316</b>	<b>3,806,977</b>	<b>4,889,936</b>	
<b>Transfers</b>											
Total Transfers	-	-	-	-	-	-	-	-	-	-	
<b>Total Cost of Service</b>	<b>11,237,201</b>	<b>11,261,807</b>	<b>13,482,979</b>	<b>17,713,914</b>	<b>20,475,696</b>	<b>21,974,864</b>	<b>22,815,651</b>	<b>23,699,453</b>	<b>24,401,147</b>	<b>25,319,120</b>	
<b>Net Revenues</b>	<b>22,746,396</b>	<b>1,359,725</b>	<b>3,097,915</b>	<b>2,763,596</b>	<b>767,428</b>	<b>593,721</b>	<b>1,024,073</b>	<b>1,796,708</b>	<b>2,646,316</b>	<b>3,806,977</b>	<b>4,889,936</b>
Percent of COS	10.8%	21.6%	17.0%	4.2%	2.8%	4.5%	7.3%	10.0%	13.5%	16.2%	
<b>Debt Coverage</b>	<b>5.12</b>	<b>5.73</b>	<b>2.56</b>	<b>1.34</b>	<b>1.24</b>	<b>1.27</b>	<b>1.35</b>	<b>1.43</b>	<b>1.56</b>	<b>1.67</b>	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Revenue Summary</b>												
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base												
<b>1 TOTAL Revenues</b>												
<b>Total Revenues</b>												
Water Rate Revenues	\$ 9,857,006	\$ 12,729,223	\$ 14,839,104	\$ 17,415,714	\$ 20,133,015	\$ 22,024,858	\$ 23,575,376	\$ 25,235,782	\$ 27,013,914	\$ 28,918,171		
Water Reserve Fees	-	-	-	-	-	-	-	-	-	-		
Water Non-Rate Revenues	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	
Total	11,220,679	14,092,896	16,202,777	18,779,387	21,496,688	23,388,531	24,939,049	26,599,455	28,377,587	30,281,844		
Wastewater Rate Revenues	11,397,876	13,160,672	15,047,524	17,282,291	19,870,366	21,799,887	23,413,309	25,146,718	27,009,073	29,010,005		
Wastewater Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	
Total	12,596,927	14,359,723	16,246,575	18,481,342	21,069,417	22,998,938	24,612,360	26,345,769	28,208,124	30,209,056		
<b>Total Revenues</b>	<b>23,817,606</b>	<b>28,452,618</b>	<b>32,449,352</b>	<b>37,260,729</b>	<b>42,566,105</b>	<b>46,387,469</b>	<b>49,551,408</b>	<b>52,945,224</b>	<b>56,585,711</b>	<b>60,490,900</b>		
<b>Incremental Revenues</b>												
<b>Total Revenues</b>	<b>\$ 2,872,216</b>	<b>\$ 2,109,882</b>	<b>\$ 2,576,610</b>	<b>\$ 2,717,301</b>	<b>\$ 1,891,843</b>	<b>\$ 1,550,518</b>	<b>\$ 1,660,406</b>	<b>\$ 1,778,132</b>	<b>\$ 1,904,257</b>			
Water Rate Revenues	-	-	-	-	-	-	-	-	-	-		
Water Reserve Fees	-	-	-	-	-	-	-	-	-	-		
Water Non-Rate Revenues	-	-	-	-	-	-	-	-	-	-		
Total	2,872,216	2,109,882	2,576,610	2,717,301	1,891,843	1,550,518	1,660,406	1,778,132	1,904,257			
Wastewater Rate Revenues	1,762,796	1,886,853	2,234,767	2,588,075	1,929,521	1,613,422	1,733,409	1,862,355	2,000,931			
Wastewater Non-Rate Revenues	-	-	-	-	-	-	-	-	-			
Total	1,762,796	1,886,853	2,234,767	2,588,075	1,929,521	1,613,422	1,733,409	1,862,355	2,000,931			
<b>Total Revenues</b>	<b>4,635,012</b>	<b>3,996,734</b>	<b>4,811,377</b>	<b>5,305,376</b>	<b>3,821,364</b>	<b>3,163,940</b>	<b>3,393,816</b>	<b>3,640,487</b>	<b>3,905,188</b>			

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL														
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033			
<b>Revenue Summary</b>														
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base														
<b>2</b>	<b>WATER Revenues</b>													
<b>Water Revenues</b>														
<b>Water Rate Revenue</b>														
W1	Residential Inside	\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085	\$ 10,707,241	\$ 11,488,114	\$ 12,326,093	\$ 13,225,367	\$ 14,190,431			
W2	Residential Outside	1,015,830	1,450,834	1,703,709	2,014,919	2,350,352	2,582,625	2,770,415	2,971,899	3,188,077	3,420,026			
W3	Commercial & Industrial Inside	1,599,214	1,892,040	2,222,003	2,626,707	3,039,509	3,325,313	3,562,392	3,816,426	4,088,630	4,380,307			
W4	Commercial & Industrial Outside	127,995	149,036	172,158	199,891	228,570	249,243	266,835	285,672	305,842	327,441			
W5	Multi Housing Apts/Condos Inside	830,616	960,704	1,105,675	1,279,138	1,456,681	1,585,950	1,697,346	1,816,587	1,944,227	2,080,859			
W6	Multi Housing Apts/Condos Outside	51,491	61,516	72,776	86,632	100,999	110,804	118,771	127,312	136,470	146,288			
W7	Public Services/Institutional Inside	1,052,790	1,220,115	1,405,884	1,629,616	1,849,769	1,997,111	2,116,938	2,243,954	2,378,592	2,521,307			
W8	Public Services/Institutional Outside	6,178	7,644	9,282	11,338	13,373	14,583	15,458	16,386	17,369	18,411			
W9	Town of Combes Inside	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537			
W10	Town of Combes Outside	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059			
W 11	City of Primera	271,823	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546			
W12	City of Palm Valley	298,167	328,957	361,852	398,037	435,105	465,316	493,235	522,829	554,198	587,450			
W13	East Rio Hondo	74,437	82,123	90,336	99,369	108,623	116,165	123,135	130,523	138,355	146,656			
W14	Military Hwy WSC	93,847	103,798	114,441	126,213	138,298	148,006	156,886	166,299	176,277	186,854			
		9,857,006	12,729,223	14,839,104	17,415,714	20,133,015	22,024,858	23,575,376	25,235,782	27,013,914	28,918,171			
<b>Water Reserve Fees</b>														
Non-Rate Revenues														
	<b>Total Revenues</b>	<b>11,220,679</b>	<b>14,092,896</b>	<b>16,202,777</b>	<b>18,779,387</b>	<b>21,496,688</b>	<b>23,388,531</b>	<b>24,939,049</b>	<b>26,599,455</b>	<b>28,377,587</b>	<b>30,281,844</b>			
<b>Incremental Revenues</b>														
<b>Water Rate Revenue</b>														
W1	Residential Inside	\$ 1,717,077	\$ 1,055,748	\$ 1,304,176	\$ 1,407,516	\$ 970,156	\$ 780,873	\$ 837,980	\$ 899,274	\$ 965,064				
W2	Residential Outside	435,004	252,875	311,210	335,433	232,273	187,790	201,484	216,179	231,949				
W3	Commercial & Industrial Inside	292,826	329,963	404,704	412,802	285,803	237,080	254,034	272,204	291,677				
W4	Commercial & Industrial Outside	21,041	23,122	27,733	28,679	20,673	17,592	18,837	20,170	21,599				
W5	Multi Housing Apts/Condos Inside	130,088	144,971	173,463	177,543	129,269	111,396	119,241	127,640	136,632				
W6	Multi Housing Apts/Condos Outside	10,025	11,261	13,855	14,367	9,805	7,967	8,541	9,158	9,818				
W7	Public Services/Institutional Inside	167,326	185,769	223,731	220,154	147,342	119,827	127,016	134,637	142,715				
W8	Public Services/Institutional Outside	1,465	1,638	2,056	2,035	1,211	875	928	983	1,042				
W9	Town of Combes Inside	20,644	22,569	25,452	26,318	20,099	17,705	18,767	19,893	21,087				
W10	Town of Combes Outside	224	227	250	256	209	193	204	217	230				
W 11	City of Primera	28,069	29,989	32,988	33,792	27,542	25,452	26,979	28,598	30,314				
W12	City of Palm Valley	30,789	32,896	36,185	37,067	30,211	27,919	29,594	31,370	33,252				
W13	East Rio Hondo	7,686	8,212	9,034	9,254	7,542	6,970	7,388	7,831	8,301				
W14	Military Hwy WSC	9,951	10,642	11,772	12,085	9,708	8,880	9,413	9,978	10,577				
		2,872,216	2,109,882	2,576,610	2,717,301	1,891,843	1,550,518	1,660,406	1,778,132	1,904,257				
<b>Water Reserve Fees</b>														
Non-Rate Revenues														
	<b>Total Revenues</b>	<b>2,872,216</b>	<b>2,109,882</b>	<b>2,576,610</b>	<b>2,717,301</b>	<b>1,891,843</b>	<b>1,550,518</b>	<b>1,660,406</b>	<b>1,778,132</b>	<b>1,904,257</b>				

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Revenue Summary</b>													
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base													
<b>3 WASTEWATER Revenues</b>													
<b>Wastewater Revenues</b>													
<b>Wastewater Rate Revenue</b>													
WW1 Residential Inside	\$ 5,338,054	\$ 6,293,045	\$ 7,335,893	\$ 8,583,467	\$ 10,044,940	\$ 11,092,669	\$ 11,934,603	\$ 12,840,439	\$ 13,815,029	\$ 14,863,589			
WW2 Residential Outside	550,775	587,174	625,670	689,475	802,366	889,303	956,801	1,029,422	1,107,555	1,191,618			
WW5 Commercial & Industrial Inside	2,295,034	2,661,138	3,028,950	3,455,143	3,930,845	4,302,127	4,628,658	4,979,974	5,357,954	5,764,622			
WW6 Commercial & Industrial Outside	52,494	56,809	64,702	73,858	84,094	92,060	99,047	106,565	114,653	123,356			
WW5 Multi Housing Apts/Condos Inside	1,537,913	1,747,163	1,971,417	2,227,364	2,506,175	2,733,039	2,940,477	3,163,659	3,403,781	3,662,128			
WW6 Multi Housing Apts/Condos Outside	46,988	55,752	65,346	76,891	90,528	100,159	107,761	115,940	124,740	134,207			
WW7 Public Services/Institutional Inside	1,205,308	1,352,796	1,507,650	1,682,884	1,871,590	2,012,974	2,133,753	2,261,778	2,397,485	2,541,334			
WW8 Public Services/Institutional Outside	5,897	6,935	8,049	9,380	10,941	11,946	12,663	13,423	14,228	15,082			
WW9 Town of Combes	232,643	256,317	281,948	310,143	339,025	362,565	384,319	407,378	431,821	457,730			
WW10 City of Primera	132,770	143,543	157,897	173,687	189,861	203,044	215,227	228,140	241,829	256,338			
	11,397,876	13,160,672	15,047,524	17,282,291	19,870,366	21,799,887	23,413,309	25,146,718	27,009,073	29,010,005			
Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051			
<b>Total Revenues</b>	<b>12,596,927</b>	<b>14,359,723</b>	<b>16,246,575</b>	<b>18,481,342</b>	<b>21,069,417</b>	<b>22,998,938</b>	<b>24,612,360</b>	<b>26,345,769</b>	<b>28,208,124</b>	<b>30,209,056</b>			
<b>Incremental Revenues</b>													
<b>Wastewater Rate Revenue</b>													
WW1 Residential Inside	\$ 954,991	\$ 1,042,848	\$ 1,247,574	\$ 1,461,473	\$ 1,047,730	\$ 841,934	\$ 905,836	\$ 974,589	\$ 1,048,561				
WW2 Residential Outside	36,399	38,496	63,805	112,891	86,936	67,498	72,621	78,133	84,063				
WW5 Commercial & Industrial Inside	366,104	367,812	426,193	475,702	371,282	326,531	351,315	377,980	406,669				
WW6 Commercial & Industrial Outside	4,315	7,893	9,156	10,236	7,967	6,987	7,518	8,088	8,702				
WW5 Multi Housing Apts/Condos Inside	209,250	224,255	255,946	278,811	226,864	207,438	223,182	240,122	258,347				
WW6 Multi Housing Apts/Condos Outside	8,764	9,594	11,544	13,638	9,630	7,602	8,179	8,800	9,468				
WW7 Public Services/Institutional Inside	147,488	154,855	175,234	188,706	141,384	120,778	128,025	135,707	143,849				
WW8 Public Services/Institutional Outside	1,039	1,114	1,331	1,561	1,005	717	760	805	854				
WW9 Town of Combes	23,673	25,632	28,195	28,882	23,540	21,754	23,059	24,443	25,909				
WW10 City of Primera	10,772	14,354	15,790	16,175	13,183	12,183	12,914	13,688	14,510				
	1,762,796	1,886,853	2,234,767	2,588,075	1,929,521	1,613,422	1,733,409	1,862,355	2,000,931				
Non-Rate Revenues	-	-	-	-	-	-	-	-	-				
<b>Total Revenues</b>	<b>1,762,796</b>	<b>1,886,853</b>	<b>2,234,767</b>	<b>2,588,075</b>	<b>1,929,521</b>	<b>1,613,422</b>	<b>1,733,409</b>	<b>1,862,355</b>	<b>2,000,931</b>				

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL														
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033			
<b>Water Summary</b>														
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base														
<b>1 Water Monthly Rates and Charges</b>														
<b>Residential Inside</b>														
<b>Monthly Minimum Charge</b>	Base Charge	5/8"	\$ 7.93	\$ 9.91	\$ 12.39	\$ 15.49	\$ 19.36	\$ 23.23	\$ 24.63	\$ 26.10	\$ 27.67	\$ 29.33	\$ 31.09	
<b>Volume Rate/1,000 Gal</b>														
-	3,000	1.65	1.25	1.25	1.25	1.25	1.25	1.33	1.40	1.49	1.58	1.67		
3,001	10,000	0.06	1.75	1.93	2.12	2.33	2.54	2.69	2.85	3.02	3.21	3.40		
10,001	20,000	-	2.50	2.75	3.03	3.33	3.63	3.84	4.08	4.32	4.58	4.85		
20,001	Above	-	3.00	3.30	3.63	3.99	4.35	4.61	4.89	5.18	5.49	5.82		
-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>Commercial</b>														
<b>Monthly Minimum Charge</b>	React Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
5/8"	12.49	\$ 14.87	\$ 18.59	\$ 23.23	\$ 29.04	\$ 34.85	\$ 36.94	\$ 39.16	\$ 41.51	\$ 44.00	\$ 46.64			
1"	15.09	\$ 19.74	\$ 25.74	\$ 33.51	\$ 43.56	\$ 52.27	\$ 55.41	\$ 58.73	\$ 62.26	\$ 65.99	\$ 69.95			
1 1/2"	21.86	\$ 29.77	\$ 40.29	\$ 54.22	\$ 72.60	\$ 87.12	\$ 92.35	\$ 97.89	\$ 103.76	\$ 109.99	\$ 116.59			
2"	49.55	\$ 65.02	\$ 85.16	\$ 111.31	\$ 145.20	\$ 174.24	\$ 184.70	\$ 195.78	\$ 207.53	\$ 219.98	\$ 233.18			
3"	73.77	\$ 98.88	\$ 131.96	\$ 175.41	\$ 232.32	\$ 278.79	\$ 295.52	\$ 313.25	\$ 332.04	\$ 351.96	\$ 373.08			
4"	169.32	\$ 288.83	\$ 457.52	\$ 692.52	\$ 1,016.42	\$ 1,219.70	\$ 1,292.88	\$ 1,370.46	\$ 1,452.68	\$ 1,539.85	\$ 1,632.24			
6"	346.97	\$ 567.59	\$ 875.68	\$ 1,302.36	\$ 1,887.63	\$ 2,265.16	\$ 2,401.07	\$ 2,545.14	\$ 2,697.84	\$ 2,859.71	\$ 3,031.30			
8"	639.24	\$ 1,119.68	\$ 1,800.41	\$ 2,751.53	\$ 4,065.67	\$ 4,878.81	\$ 5,171.54	\$ 5,481.83	\$ 5,810.74	\$ 6,159.38	\$ 6,528.95			
0	-	\$ 1,119.68	\$ 1,800.41	\$ 2,751.53	\$ 4,065.67	\$ 4,878.81	\$ 5,171.54	\$ 5,481.83	\$ 5,810.74	\$ 6,159.38	\$ 6,528.95			
<b>Volume Rate Per 1,000 Gal - Commercial</b>														
Volume Charge		2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33		
<b>2.1 Residential Monthly Bill</b>														
5,000 Gallons	Total Dollar Inc	\$ 16.48	\$ 17.16	\$ 19.99	\$ 23.47	\$ 27.77	\$ 32.06	\$ 33.98	\$ 36.02	\$ 38.18	\$ 40.48	\$ 42.90		
	Percent Inc		0.68	2.83	3.48	4.30	4.29	1.92	2.04	2.16	2.29	2.43		
			4.1%	16.5%	17.4%	18.3%	15.5%	6.0%	6.0%	6.0%	6.0%	6.0%		
10,000 Gallons	Total Dollar Inc	25.03	25.91	29.62	34.06	39.42	44.75	47.44	50.29	53.30	56.50	59.89		
	Percent Inc		0.88	3.70	4.45	5.35	5.34	2.69	2.85	3.02	3.20	3.39		
			3.5%	14.3%	15.0%	15.7%	13.5%	6.0%	6.0%	6.0%	6.0%	6.0%		
20,000 Gallons	Total Dollar Inc	42.13	50.91	57.12	64.31	72.69	81.02	85.89	91.04	96.50	102.29	108.43		
	Percent Inc		8.78	6.20	7.20	8.38	8.33	4.86	5.15	5.46	5.79	6.14		
			20.8%	12.2%	12.6%	13.0%	11.5%	6.0%	6.0%	6.0%	6.0%	6.0%		
30,000 Gallons	Total Dollar Inc	59.23	80.91	90.12	100.61	112.62	124.55	132.02	139.94	148.34	157.24	166.67		
	Percent Inc		21.68	9.20	10.50	12.01	11.93	7.47	7.92	8.40	8.90	9.43		
			36.6%	11.4%	11.6%	11.9%	10.6%	6.0%	6.0%	6.0%	6.0%	6.0%		

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL														
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033			
<b>Water Summary</b>														
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base														
2.2	<b>Commercial Monthly Bill --</b>													
20,000 Gallons	Contract Base Charge (not ba)	\$ 49.60	\$ 54.95	\$ 60.44	\$ 66.48	\$ 73.13	\$ 79.71	\$ 84.50	\$ 89.57	\$ 94.94	\$ 100.64	\$ 106.67		
5/8"	62.09	69.81	79.03	89.72	102.17	114.56	121.44	128.72	136.45	144.63	153.31			
1"	64.69	74.68	86.18	100.00	116.69	131.99	139.91	148.30	157.20	166.63	176.63			
1 1/2"	71.46	84.71	100.73	120.71	145.73	166.84	176.85	187.46	198.70	210.63	223.26			
2"	99.15	119.97	145.60	177.79	218.33	253.96	269.19	285.35	302.47	320.61	339.85			
3"	123.37	153.83	192.40	241.89	305.46	358.50	380.01	402.81	426.98	452.60	479.76			
4"	218.92	343.77	517.96	759.00	1,089.55	1,299.42	1,377.38	1,460.02	1,547.63	1,640.48	1,738.91			
6"	396.57	622.53	936.12	1,368.84	1,960.77	2,344.87	2,485.57	2,634.70	2,792.78	2,960.35	3,137.97			
8"	688.84	1,174.62	1,860.85	2,818.01	4,138.81	4,958.52	5,256.03	5,571.40	5,905.68	6,260.02	6,635.62			
0	49.60	1,174.62	1,860.85	2,818.01	4,138.81	4,958.52	5,256.03	5,571.40	5,905.68	6,260.02	6,635.62			
40,000 Gallons	Contract Base Charge (not ba)	\$ 99.20	\$ 109.89	\$ 120.88	\$ 132.97	\$ 146.26	\$ 159.43	\$ 168.99	\$ 179.13	\$ 189.88	\$ 201.27	\$ 213.35		
5/8"	111.69	124.76	139.46	156.20	175.30	194.28	205.93	218.29	231.39	245.27	259.99			
1"	114.29	129.63	146.62	166.48	189.82	211.70	224.40	237.87	252.14	267.27	283.30			
1 1/2"	121.06	139.66	161.17	187.19	218.86	246.55	261.34	277.02	293.64	311.26	329.94			
2"	148.75	174.91	206.04	244.27	291.47	333.67	353.69	374.91	397.41	421.25	446.53			
3"	172.97	208.77	252.84	308.37	378.59	438.22	464.51	492.38	521.92	553.24	586.43			
4"	268.52	398.72	578.40	825.49	1,162.68	1,379.13	1,461.88	1,549.59	1,642.57	1,741.12	1,845.59			
6"	446.17	677.48	996.56	1,435.32	2,033.90	2,424.59	2,570.06	2,724.27	2,887.72	3,060.99	3,244.65			
8"	738.44	1,229.57	1,921.29	2,884.49	4,211.94	5,038.24	5,340.53	5,660.96	6,000.62	6,360.66	6,742.30			
0	99.20	1,229.57	1,921.29	2,884.49	4,211.94	5,038.24	5,340.53	5,660.96	6,000.62	6,360.66	6,742.30			
3	<b>Total Accounts</b>													
Total Accounts		<b>28,051</b>	<b>28,462</b>	<b>28,880</b>	<b>29,303</b>	<b>29,733</b>	<b>30,169</b>	<b>30,612</b>	<b>31,061</b>	<b>31,517</b>	<b>31,981</b>			
New Accounts		411	417	423	430	436	443	449	456					
Avg. Annual Growth Rate		1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
4	<b>Annual Water Consumption</b>													
W1	Residential Inside	1,667,223,404	1,679,727,580	1,692,325,536	1,705,017,978	1,717,805,613	1,730,689,155	1,743,669,323	1,756,746,843	1,769,922,445	1,783,196,863			
W2	Residential Outside	273,051,518	275,099,404	277,162,650	279,241,370	281,335,680	283,445,697	285,571,540	287,713,327	289,871,177	292,045,210			
W3	Commercial & Industrial Inside	671,398,901	676,434,393	681,507,651	686,618,958	691,768,601	696,956,865	702,184,042	707,450,422	712,756,300	718,101,972			
W4	Commercial & Industrial Outside	38,757,694	39,048,377	39,341,240	39,636,299	39,933,571	40,233,073	40,534,821	40,838,832	41,145,124	41,453,712			
W5	Multi Housing Apts/Condos Inside	393,658,947	396,611,389	399,585,975	402,582,869	405,602,241	408,644,258	411,709,090	414,796,908	417,907,885	421,042,194			
W6	Multi Housing Apts/Condos Outside	12,954,607	13,051,766	13,149,654	13,248,277	13,347,639	13,447,746	13,548,604	13,650,219	13,752,595	13,855,740			
W7	Public Services/Institutional Inside	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700	485,366,700			
W8	Public Services/Institutional Outside	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500	1,157,500			
W9	Town of Combes Inside	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600	107,147,600			
W10	Town of Combes Outside	774,000	774,000	774,000	774,000	774,000	774,000	774,000	774,000	774,000	774,000			
W 11	City of Primera	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000	153,507,000			
W12	City of Palm Valley	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800	168,384,800			
W13	East Rio Hondo	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940	42,036,940			
W14	Military Hwy WSC	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000	52,236,000			
	Total System	<b>4,067,655,611</b>	<b>4,090,583,449</b>	<b>4,113,683,246</b>	<b>4,136,956,291</b>	<b>4,160,403,884</b>	<b>4,184,027,334</b>	<b>4,207,827,960</b>	<b>4,231,807,091</b>	<b>4,255,966,065</b>	<b>4,280,306,231</b>			

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL																										
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033															
<b>Water Summary</b>																										
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base																										
5	<b>Revenues and Expenses -- CASH BASIS</b>																									
<b>Water Revenues</b>																										
<b>Water Rate Revenue</b>																										
W1	Residential Inside	\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085	\$ 10,707,241	\$ 11,488,114	\$ 12,326,093	\$ 13,225,367	\$ 14,190,431															
W2	Residential Outside	1,015,830	1,450,834	1,703,709	2,014,919	2,350,352	2,582,625	2,770,415	2,971,899	3,188,077	3,420,026															
W3	Commercial & Industrial Inside	1,599,214	1,892,040	2,222,003	2,626,707	3,039,509	3,325,313	3,562,392	3,816,426	4,088,630	4,380,307															
W4	Commercial & Industrial Outside	127,995	149,036	172,158	199,891	228,570	249,243	266,835	285,672	305,842	327,441															
W5	Multi Housing Apts/Condos Inside	830,616	960,704	1,105,675	1,279,138	1,456,681	1,585,950	1,697,346	1,816,587	1,944,227	2,080,859															
W6	Multi Housing Apts/Condos Outside	51,491	61,516	72,776	86,632	100,999	110,804	118,771	127,312	136,470	146,288															
W7	Public Services/Institutional Inside	1,052,790	1,220,115	1,405,884	1,629,616	1,849,769	1,997,111	2,116,938	2,243,954	2,378,592	2,521,307															
W8	Public Services/Institutional Outside	6,178	7,644	9,282	11,338	13,373	14,583	15,458	16,386	17,369	18,411															
W9	Town of Combes Inside	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537															
W10	Town of Combes Outside	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059															
W 11	City of Primera	271,823	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546															
W9	City of Palm Valley	298,167	328,957	361,852	398,037	435,105	465,316	493,235	522,829	554,198	587,450															
W10	East Rio Hondo	74,437	82,123	90,336	99,369	108,623	116,165	123,135	130,523	138,355	146,656															
W 11	Military Hwy WSC	93,847	103,798	114,441	126,213	138,298	148,006	156,886	166,299	176,277	186,854															
		9,857,006	12,729,223	14,839,104	17,415,714	20,133,015	22,024,858	23,575,376	25,235,782	27,013,914	28,918,171															
Non-Rate Revenues (includes Leander Water Reserve Fees)																										
	Total Revenues	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673	1,363,673															
		11,220,679	14,092,896	16,202,777	18,779,387	21,496,688	23,388,531	24,939,049	26,599,455	28,377,587	30,281,844															
<b>Water Cost of Service</b>																										
<b>Budget Code</b>																										
P	Wages & Benefits	\$ 6,392,471	\$ 6,712,094	\$ 7,047,699	\$ 7,400,084	\$ 7,770,088	\$ 8,158,593	\$ 8,566,522	\$ 8,994,848	\$ 9,444,591	\$ 9,916,820															
SU	Supplies & Maintenance	3,215,937	3,473,211	3,751,068	4,051,154	4,375,246	4,725,266	5,103,287	5,511,550	5,952,474	6,428,672															
O	Other	699,092	702,956	707,111	711,391	715,800	593,403	310,567	315,384	320,345	325,456															
SE	Contractual Services	2,691,830	2,772,585	2,855,763	2,941,436	3,029,679	3,120,569	3,214,186	3,310,612	3,409,930	3,512,228															
0	#N/A	-	-	-	-	-	-	-	-	-	-															
0	#N/A	-	-	-	-	-	-	-	-	-	-															
0	#N/A	-	-	-	-	-	-	-	-	-	-															
0	#N/A	-	-	-	-	-	-	-	-	-	-															
0	#N/A	-	-	-	-	-	-	-	-	-	-															
	Total	12,999,330	13,660,847	14,361,642	15,104,065	15,890,813	16,597,830	17,194,562	18,132,394	19,127,340	20,183,176															
<b>Department Code</b>																										
A	Administration (01)	\$ 3,417,781	\$ 3,588,740	\$ 3,768,941	\$ 3,958,924	\$ 4,159,261	\$ 4,370,559	\$ 4,593,465	\$ 4,828,665	\$ 5,076,892	\$ 5,338,920															
WT	Water Treatment (04)	5,484,144	5,742,276	6,016,529	6,307,835	6,617,376	6,819,486	6,881,892	7,254,148	7,650,317	8,072,092															
PT	Pretreatment (15)	-	-	-	-	-	-	-	-	-	-															
CM	Construction Maintenance (08)	482,210	510,457	540,456	572,324	606,183	642,165	680,411	721,072	764,309	810,294															
DS	Distribution Services & Maintenance (13) & (05)	2,136,519	2,262,233	2,395,773	2,537,656	2,688,432	2,848,691	3,019,063	3,200,224	3,392,895	3,597,848															
CS	Customer Service (32)	799,450	844,118	891,433	941,561	994,680	1,050,979	1,110,660	1,173,939	1,241,047	1,312,229															
WOM	Water Operations Mgmt. (38)	679,226	713,024	748,509	785,765	824,881	865,951	909,071	954,346	1,001,881	1,051,792															
WWT	Wastewater Treatment (18)	-	-	-	-	-	-	-	-	-	-															
	Total	12,999,330	13,660,847	14,361,642	15,104,065	15,890,813	16,597,830	17,194,562	18,132,394	19,127,340	20,183,176															
Total Operating Expenses																										
Net Revenues for Transfers,Capital Outlays and Debt Service																										
		(1,778,651)	432,048	1,841,135	3,675,323	5,605,875	6,790,701	7,744,487	8,467,061	9,250,247	10,098,668															
Capital Outlays																										
		896,802	1,287,500	1,326,125	1,365,909	1,406,886	1,449,093	1,492,565	1,537,342	1,583,463	1,630,966															

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Water Summary</b>											
<i>Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</i>											
<b>Debt Service</b>											
Debt Service -- Current		783,875	782,663	785,700	785,450	784,475	792,575	789,444	789,853	616,275	614,238
Debt Service -- Future		-	144,093	711,563	1,227,697	2,607,985	4,050,210	4,407,080	4,763,949	5,120,819	5,477,688
Total Debt Service		783,875	926,756	1,497,263	2,013,147	3,392,460	4,842,785	5,196,524	5,553,802	5,737,094	6,091,926
<b>Transfers</b>											
Budgeted Transfers		-	-	-	-	-	-	-	-	-	-
Total Transfers		-	-	-	-	-	-	-	-	-	-
<b>Total Cost of Service</b>		14,680,007	15,875,103	17,185,030	18,483,120	20,690,159	22,889,708	23,883,652	25,223,539	26,447,897	27,906,068
<b>Net Revenues</b>		(3,459,328)	(1,782,207)	(982,253)	296,267	806,529	498,823	1,055,397	1,375,916	1,929,690	2,375,776
Percent of COS		-30.8%	-12.6%	-6.1%	1.6%	3.8%	2.1%	4.2%	5.2%	6.8%	7.8%
<b>Debt Coverage</b> (excludes Capital Outlays, G/F Transfers)		(2.27)	0.47	1.23	1.83	1.65	1.40	1.49	1.52	1.61	1.66

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Wastewater Summary</b>													
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base													
<b>1 Wastewater Monthly Rates and Charges</b>													
<b>Residential Inside</b>													
Monthly Minimum Charge	5/8"	\$ 6.18	\$ 7.73	\$ 9.66	\$ 12.07	\$ 15.09	\$ 18.86	\$ 19.99	\$ 21.19	\$ 22.46	\$ 23.81	\$ 25.24	
Volume Rate/1,000 Gal		3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89	
<b>Commercial</b>													
<b>Monthly Minimum Charge</b>													
0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5/8"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72		
1"	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72		
1 1/2"	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44		
2"	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24		
3"	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33		
4"	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70		
6"	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49		
8"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20		
10"	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20		
<b>Volume Rate Per 1,000 Gal - Commercial</b>													
- Iume Charge	\$ 3.66	\$ 4.06	\$ 4.47	\$ 4.92	\$ 5.41	\$ 5.89	\$ 6.25	\$ 6.62	\$ 7.02	\$ 7.44	\$ 7.89		
<b>2.1 Residential Monthly Bill --</b>													
5,000 Gallons	Total Dollar Inc	\$ 25.03	\$ 28.04	\$ 32.00	\$ 36.65	\$ 42.12	\$ 48.33	\$ 51.23	\$ 54.30	\$ 57.56	\$ 61.02	\$ 64.68	
	Percent Inc		3.01	3.96	4.65	5.48	6.21	2.90	3.07	3.26	3.45	3.66	
		12.0%	14.1%	14.5%	14.9%	14.7%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
10,000 Gallons	Total Dollar Inc	43.88	48.35	54.34	61.23	69.16	77.80	82.47	87.42	92.66	98.22	104.11	
	Percent Inc		4.47	5.99	6.88	7.93	8.64	4.67	4.95	5.24	5.56	5.89	
		10.2%	12.4%	12.7%	13.0%	12.5%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
15,000 Gallons	Total Dollar Inc	62.73	68.66	76.69	85.81	96.20	107.27	113.71	120.53	127.76	135.43	143.55	
	Percent Inc		5.93	8.03	9.12	10.39	11.07	6.44	6.82	7.23	7.67	8.13	
		9.5%	11.7%	11.9%	12.1%	11.5%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	
20,000 Gallons	Total Dollar Inc	81.58	88.98	99.03	110.39	123.23	136.74	144.94	153.64	162.86	172.63	182.99	
	Percent Inc		7.40	10.06	11.35	12.85	13.51	8.20	8.70	9.22	9.77	10.36	
		9.1%	11.3%	11.5%	11.6%	11.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL																	
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033						
<b>Wastewater Summary</b>																	
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base																	
<b>2.2 Commercial Monthly Bill -- 2" Meter</b>																	
20,000 Gallons	0	\$ 73.20	\$ 81.25	\$ 89.38	\$ 98.31	\$ 108.15	\$ 117.88	\$ 124.95	\$ 132.45	\$ 140.40	\$ 148.82	\$ 157.75					
5/8"		93.70	106.88	121.41	138.35	158.20	180.44	191.27	202.74	214.91	227.80	241.47					
1"		93.70	106.88	121.41	138.35	158.20	180.44	191.27	202.74	214.91	227.80	241.47					
1 1/2"		94.61	108.01	122.83	140.13	160.42	183.22	194.21	205.86	218.22	231.31	245.19					
2"		98.97	113.46	129.64	148.65	171.06	196.52	208.31	220.81	234.06	248.11	262.99					
3"		126.17	147.46	172.14	201.77	237.47	279.53	296.30	314.08	332.93	352.90	374.08					
4"		207.80	249.50	299.69	361.21	436.76	528.65	560.36	593.99	629.63	667.40	707.45					
6"		349.28	426.35	520.75	637.53	782.17	960.41	1,018.03	1,079.12	1,143.86	1,212.49	1,285.24					
8"		512.53	630.41	775.83	956.38	1,180.73	1,458.61	1,546.12	1,638.89	1,737.23	1,841.46	1,951.95					
10"		512.53	630.41	775.83	956.38	1,180.73	1,458.61	1,546.12	1,638.89	1,737.23	1,841.46	1,951.95					
40,000 Gallons	0	\$ 146.40	\$ 162.50	\$ 178.75	\$ 196.63	\$ 216.29	\$ 235.76	\$ 249.90	\$ 264.90	\$ 280.79	\$ 297.64	\$ 315.50					
5/8"		166.90	188.13	210.79	236.67	266.34	298.32	316.22	335.19	355.30	376.62	399.22					
1"		166.90	188.13	210.79	236.67	266.34	298.32	316.22	335.19	355.30	376.62	399.22					
1 1/2"		167.81	189.27	212.21	238.45	268.56	301.10	319.16	338.31	358.61	380.13	402.94					
2"		172.17	194.72	219.02	246.96	279.21	314.40	333.27	353.26	374.46	396.93	420.74					
3"		199.37	228.72	261.52	300.09	345.61	397.41	421.26	446.53	473.32	501.72	531.83					
4"		281.00	330.75	389.07	459.52	544.91	646.53	685.32	726.44	770.02	816.22	865.20					
6"		422.48	507.60	610.13	735.85	890.32	1,078.29	1,142.99	1,211.56	1,284.26	1,361.31	1,442.99					
8"		585.73	711.67	865.21	1,054.70	1,288.88	1,576.49	1,671.08	1,771.34	1,877.62	1,990.28	2,109.70					
10"		585.73	711.67	865.21	1,054.70	1,288.88	1,576.49	1,671.08	1,771.34	1,877.62	1,990.28	2,109.70					
<b>3 Total Accounts</b>		<b>22,157</b>	<b>22,483</b>	<b>22,815</b>	<b>23,151</b>	<b>23,492</b>	<b>23,838</b>	<b>24,190</b>	<b>24,547</b>	<b>24,909</b>	<b>25,277</b>						
Total Accounts		326	331	336	341	346	352	357	362	367	368						
New Accounts		1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.48%	1.48%	1.48%						
Avg. Annual Growth Rate																	
<b>4 Annual Wastewater Billing Units</b>																	
WW1 Residential Inside		968,260,478	982,784,385	997,526,151	1,012,489,043	1,027,676,378	1,043,091,524	1,058,737,897	1,074,618,965	1,090,738,250	1,107,099,324						
WW2 Residential Outside		65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413						
WW3 Commercial & Industrial Inside		518,722,416	526,503,252	534,400,801	542,416,813	550,553,065	558,811,361	567,193,531	575,701,434	584,336,956	593,102,010						
WW4 Commercial & Industrial Outside		11,011,792	11,176,969	11,344,623	11,514,793	11,687,515	11,862,827	12,040,770	12,221,381	12,404,702	12,590,773						
WW5 Multi Housing Apts/Condos Inside		366,296,439	371,790,885	377,367,749	383,028,265	388,773,689	394,605,294	400,524,374	406,532,239	412,630,223	418,819,676						
WW6 Multi Housing Apts/Condos Outside		8,048,222	8,168,945	8,291,479	8,415,851	8,542,089	8,670,220	8,800,274	8,932,278	9,066,262	9,202,256						
WW7 Public Services/Institutional Inside		282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200						
WW8 Public Services/Institutional Outside		953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400						
WW9 Town of Combes		77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600						
WW10 City of Primera		88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000						
<b>Total System</b>		<b>2,386,763,563</b>	<b>2,415,852,968</b>	<b>2,445,358,415</b>	<b>2,475,306,443</b>	<b>2,505,703,691</b>	<b>2,536,556,899</b>	<b>2,567,872,904</b>	<b>2,599,658,650</b>	<b>2,631,921,182</b>	<b>2,664,667,651</b>						

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Wastewater Summary</b>													
Scen: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base													
<b>5 Revenues and Expenses -- CASH BASIS</b>													
<b>Wastewater Revenues</b>													
<b>Wastewater Rate Revenue</b>													
WW1 Residential Inside	\$ 5,338,054	\$ 6,293,045	\$ 7,335,893	\$ 8,583,467	\$ 10,044,940	\$ 11,092,669	\$ 11,934,603	\$ 12,840,439	\$ 13,815,029	\$ 14,863,589			
WW2 Residential Outside	550,775	587,174	625,670	689,475	802,366	889,303	956,801	1,029,422	1,107,555	1,191,618			
WW5 Commercial & Industrial Inside	2,295,034	2,661,138	3,028,950	3,455,143	3,930,845	4,302,127	4,628,658	4,979,974	5,357,954	5,764,622			
WW6 Commercial & Industrial Outside	52,494	56,809	64,702	73,858	84,094	92,060	99,047	106,565	114,653	123,356			
WW5 Multi Housing Apts/Condos Inside	1,537,913	1,747,163	1,971,417	2,227,364	2,506,175	2,733,039	2,940,477	3,163,659	3,403,781	3,662,128			
WW6 Multi Housing Apts/Condos Outside	46,988	55,752	65,346	76,891	90,528	100,159	107,761	115,940	124,740	134,207			
WW7 Public Services/Institutional Inside	1,205,308	1,352,796	1,507,650	1,682,884	1,871,590	2,012,974	2,133,753	2,261,778	2,397,485	2,541,334			
WW8 Public Services/Institutional Outside	5,897	6,935	8,049	9,380	10,941	11,946	12,663	13,423	14,228	15,082			
WW9 Town of Combes	232,643	256,317	281,948	310,143	339,025	362,565	384,319	407,378	431,821	457,730			
WW10 City of Primera	132,770	143,543	157,897	173,687	189,861	203,044	215,227	228,140	241,829	256,338			
	11,397,876	13,160,672	15,047,524	17,282,291	19,870,366	21,799,887	23,413,309	25,146,718	27,009,073	29,010,005			
Non-Rate Revenues	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	1,199,051	
<b>Total Revenues</b>	<b>12,596,927</b>	<b>14,359,723</b>	<b>16,246,575</b>	<b>18,481,342</b>	<b>21,069,417</b>	<b>22,998,938</b>	<b>24,612,360</b>	<b>26,345,769</b>	<b>28,208,124</b>	<b>30,209,056</b>			
<b>Wastewater Cost of Service</b>													
<b>Budget Code</b>													
P Wages & Benefits	\$ 4,986,138	\$ 5,235,445	\$ 5,497,217	\$ 5,772,078	\$ 6,060,682	\$ 6,363,716	\$ 6,681,902	\$ 7,015,997	\$ 7,366,797	\$ 7,735,137			
SU Supplies & Maintenance	2,214,260	2,391,401	2,582,713	2,789,330	3,012,477	3,253,475	3,513,753	3,794,853	4,098,442	4,426,317			
O Other	107,284	110,502	113,817	117,232	120,749	124,371	128,103	131,946	135,904	139,981			
SE Contractual Services	1,272,042	1,310,203	1,349,509	1,389,994	1,431,694	1,474,645	1,518,884	1,564,451	1,611,384	1,659,726			
O #N/A	-	-	-	-	-	-	-	-	-	-	-	-	
O #N/A	-	-	-	-	-	-	-	-	-	-	-	-	
O #N/A	-	-	-	-	-	-	-	-	-	-	-	-	
O #N/A	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Total Operating Costs</b>	<b>8,579,724</b>	<b>9,047,552</b>	<b>9,543,257</b>	<b>10,068,635</b>	<b>10,625,602</b>	<b>11,216,208</b>	<b>11,842,642</b>	<b>12,507,247</b>	<b>13,212,527</b>	<b>13,961,161</b>			
<b>Department Code</b>													
A Administration (01)	\$ 2,699,638	\$ 2,834,675	\$ 2,977,013	\$ 3,127,077	\$ 3,285,319	\$ 3,452,219	\$ 3,628,288	\$ 3,814,068	\$ 4,010,137	\$ 4,217,109			
WT Water Treatment (04)	-	-	-	-	-	-	-	-	-	-	-	-	
PT Pretreatment (15)	316,000	331,158	347,084	363,821	381,412	399,903	419,342	439,781	461,275	483,881			
CM Construction Maintenance (08)	-	-	-	-	-	-	-	-	-	-	-	-	
DS Distribution Services & Maintenance (13) & (05)	-	-	-	-	-	-	-	-	-	-	-	-	
CS Customer Service (32)	631,470	666,753	704,126	743,721	785,678	830,148	877,289	927,272	980,279	1,036,504			
WOM Water Operations Mgmt. (38)	-	-	-	-	-	-	-	-	-	-	-	-	
WWC Wastewater Collection (12)	1,963,880	2,074,532	2,191,895	2,316,405	2,448,527	2,588,757	2,737,629	2,895,709	3,063,607	3,241,973			
WWT Wastewater Treatment (18)	2,637,319	2,792,488	2,957,836	3,134,081	3,321,996	3,522,410	3,736,216	3,964,370	4,207,903	4,467,920			
<b>Total</b>	<b>8,579,724</b>	<b>9,047,552</b>	<b>9,543,257</b>	<b>10,068,635</b>	<b>10,625,602</b>	<b>11,216,208</b>	<b>11,842,642</b>	<b>12,507,247</b>	<b>13,212,527</b>	<b>13,961,161</b>			
Total Operating Expenses	8,579,724	9,047,552	9,543,257	10,068,635	10,625,602	11,216,208	11,842,642	12,507,247	13,212,527	13,961,161			
<b>Net Revenues for Transfers, Capital Outlays and Debt Service</b>	<b>4,017,202</b>	<b>5,312,171</b>	<b>6,703,318</b>	<b>8,412,707</b>	<b>10,443,815</b>	<b>11,782,730</b>	<b>12,769,718</b>	<b>13,838,522</b>	<b>14,995,597</b>	<b>16,247,895</b>			
Capital Outlays	1,873,602	1,287,500	1,326,125	1,365,909	1,406,886	1,449,093	1,492,565	1,537,342	1,583,463	1,630,966			

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL										
Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Wastewater Summary</b>										
<b>Scen:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base										
<b>Debt Service</b>										
Debt Service -- Current	783,875	782,663	785,700	785,450	784,475	792,575	789,444	789,853	616,275	614,238
Debt Service -- Future	-	144,093	1,827,897	5,493,921	7,658,733	8,516,989	8,691,000	8,865,011	8,988,883	9,112,755
Total Debt Service	783,875	926,756	2,613,597	6,279,371	8,443,208	9,309,564	9,480,444	9,654,864	9,605,158	9,726,992
<b>Net Revenues for Contingencies &amp; Transfers</b>	1,359,725	3,097,915	2,763,596	767,428	593,721	1,024,073	1,796,708	2,646,316	3,806,977	4,889,936
<b>Transfers</b>										
Budgeted Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfers	-	-	-	-	-	-	-	-	-	-
<b>Total Cost of Service</b>	11,237,201	11,261,807	13,482,979	17,713,914	20,475,696	21,974,864	22,815,651	23,699,453	24,401,147	25,319,120
<b>Net Revenues</b>	<b>1,359,725</b>	<b>3,097,915</b>	<b>2,763,596</b>	<b>767,428</b>	<b>593,721</b>	<b>1,024,073</b>	<b>1,796,708</b>	<b>2,646,316</b>	<b>3,806,977</b>	<b>4,889,936</b>
Percent of COS	10.8%	21.6%	17.0%	4.2%	2.8%	4.5%	7.3%	10.0%	13.5%	16.2%
<b>Debt Coverage</b> (excludes Debt, Cap Outlays, G/F Transfers)	5.12	5.73	2.56	1.34	1.24	1.27	1.35	1.43	1.56	1.67

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Customer Bill Impact Summary</b>												
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base												
<b>WATER Revenues</b>	\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085	\$ 10,707,241	\$ 11,488,114	\$ 12,326,093	\$ 13,225,367	\$ 14,190,431		
W1 Residential Inside	1,015,830	1,450,834	1,703,709	2,014,919	2,350,352	2,582,625	2,770,415	2,971,899	3,188,077	3,420,026		
W2 Residential Outside	1,599,214	1,892,040	2,222,003	2,626,707	3,039,509	3,325,313	3,562,392	3,816,426	4,088,630	4,380,307		
W3 Commercial & Industrial Inside	127,995	149,036	172,158	199,891	228,570	249,243	266,835	285,672	305,842	327,441		
W4 Commercial & Industrial Outside	830,616	960,704	1,105,675	1,279,138	1,456,681	1,585,950	1,697,346	1,816,587	1,944,227	2,080,859		
W5 Multi Housing Apts/Condos Inside	51,491	61,516	72,776	86,632	100,999	110,804	118,771	127,312	136,470	146,288		
W6 Multi Housing Apts/Condos Outside	1,052,790	1,220,115	1,405,884	1,629,616	1,849,769	1,997,111	2,116,938	2,243,954	2,378,592	2,521,307		
W7 Public Services/Institutional Inside	6,178	7,644	9,282	11,338	13,373	14,583	15,458	16,386	17,369	18,411		
W8 Public Services/Institutional Outside	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537		
W9 Town of Combes Inside	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059		
W10 Town of Combes Outside	271,823	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546		
W11 City of Primera	298,167	328,957	361,852	398,037	435,105	465,316	493,235	522,829	554,198	587,450		
W12 City of Palm Valley	74,437	82,123	90,336	99,369	108,623	116,165	123,135	130,523	138,355	146,656		
W13 East Rio Hondo	93,847	103,798	114,441	126,213	138,298	148,006	156,886	166,299	176,277	186,854		
	9,857,006	12,729,223	14,839,104	17,415,714	20,133,015	22,024,858	23,575,376	25,235,782	27,013,914	28,918,171		
<b>Average Annual Accounts</b>												
W1 Residential Inside	20,860	21,173	21,490	21,813	22,140	22,472	22,809	23,151	23,498	23,851		
W2 Residential Outside	3,207	3,255	3,304	3,354	3,404	3,455	3,507	3,559	3,613	3,667		
W3 Commercial & Industrial Inside	2,408	2,445	2,481	2,518	2,556	2,595	2,633	2,673	2,713	2,754		
W4 Commercial & Industrial Outside	106	107	109	111	112	114	116	117	119	121		
W5 Multi Housing Apts/Condos Inside	752	763	775	786	798	810	822	835	847	860		
W6 Multi Housing Apts/Condos Outside	69	70	71	72	73	75	76	77	78	79		
W7 Public Services/Institutional Inside	635	635	635	635	635	635	635	635	635	635		
W8 Public Services/Institutional Outside	8	8	8	8	8	8	8	8	8	8		
W9 Town of Combes Inside	1	1	1	1	1	1	1	1	1	1		
W10 Town of Combes Outside	1	1	1	1	1	1	1	1	1	1		
W11 City of Primera	1	1	1	1	1	1	1	1	1	1		
W12 City of Palm Valley	1	1	1	1	1	1	1	1	1	1		
W13 East Rio Hondo	1	1	1	1	1	1	1	1	1	1		
W14 Military Hwy WSC	1	1	1	1	1	1	1	1	1	1		
	28,051	28,462	28,880	29,303	29,733	30,169	30,612	31,061	31,517	31,981		
<b>Average Bill Per Account</b>												
W1 Residential Inside	\$ 16.99	\$ 23.50	\$ 27.24	\$ 31.82	\$ 36.65	\$ 39.71	\$ 41.97	\$ 44.37	\$ 46.90	\$ 49.58		
W2 Residential Outside	26.39	37.14	42.97	50.07	57.54	62.29	65.83	69.58	73.54	77.72		
W3 Commercial & Industrial Inside	55.33	64.50	74.63	86.92	99.09	106.80	112.73	118.98	125.58	132.56		
W4 Commercial & Industrial Outside	100.80	115.63	131.60	150.54	169.59	182.20	192.18	202.70	213.81	225.52		
W5 Multi Housing Apts/Condos Inside	92.05	104.90	118.94	135.57	152.10	163.15	172.03	181.40	191.28	201.69		
W6 Multi Housing Apts/Condos Outside	62.02	73.00	85.08	99.78	114.61	123.88	130.82	138.16	145.91	154.10		
W7 Public Services/Institutional Inside	138.16	160.12	184.50	213.86	242.75	262.09	277.81	294.48	312.15	330.88		
W8 Public Services/Institutional Outside	64.36	79.62	96.69	118.10	139.30	151.91	161.03	170.69	180.93	191.78		
W9 Town of Combes Inside	15,000.24	16,720.54	18,601.29	20,722.29	22,915.44	24,590.34	26,065.77	27,629.71	29,287.49	31,044.74		
W10 Town of Combes Outside	170.69	189.39	208.33	229.17	250.51	267.90	283.97	301.01	319.07	338.22		
W11 City of Primera	22,651.88	24,990.94	27,490.03	30,239.04	33,055.05	35,350.19	37,471.20	39,719.47	42,102.64	44,628.80		
W12 City of Palm Valley	24,847.28	27,413.05	30,154.35	33,169.78	36,258.72	39,776.31	41,102.89	43,569.06	46,183.20	48,954.20		
W13 East Rio Hondo	6,203.08	6,843.61	7,527.98	8,280.77	9,051.92	9,680.43	10,261.26	10,876.93	11,529.55	12,221.32		
W14 Military Hwy WSC	7,820.57	8,649.85	9,536.71	10,517.73	11,524.80	12,333.80	13,073.82	13,858.25	14,689.75	15,571.13		

**Increase/(Decrease) – Dollars**

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HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Customer Bill Impact Summary</b>												
<b>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</b>												
W1	<b>Residential Inside</b>	\$ 6.51	\$ 3.75	\$ 4.58	\$ 4.83	\$ 3.06	\$ 2.27	\$ 2.40	\$ 2.53	\$ 2.68		
W2	Residential Outside	10.75	5.83	7.10	7.47	4.75	3.54	3.74	3.96	4.18		
W3	Commercial & Industrial Inside	9.16	10.13	12.29	12.17	7.72	5.92	6.25	6.60	6.97		
W4	Commercial & Industrial Outside	14.84	15.97	18.94	19.05	12.61	9.98	10.53	11.10	11.72		
W5	Multi Housing Apts/Condos Inside	12.84	14.04	16.63	16.54	11.05	8.88	9.36	9.88	10.42		
W6	Multi Housing Apts/Condos Outside	10.98	12.09	14.70	14.83	9.27	6.94	7.34	7.75	8.19		
W7	Public Services/Institutional Inside	21.96	24.38	29.36	28.89	19.34	15.73	16.67	17.67	18.73		
W8	Public Services/Institutional Outside	15.26	17.07	21.42	21.20	12.61	9.11	9.66	10.24	10.86		
W9	Town of Combes Inside	1,720.30	1,880.75	2,121.00	2,193.15	1,674.90	1,475.42	1,563.95	1,657.78	1,757.25		
W10	Town of Combes Outside	18.70	18.94	20.83	21.34	17.39	16.07	17.04	18.06	19.14		
W 11	City of Primera	2,339.06	2,499.09	2,749.00	2,816.01	2,295.14	2,121.01	2,248.27	2,383.17	2,526.16		
W9	City of Palm Valley	2,565.76	2,741.30	3,015.43	3,088.94	2,517.59	2,326.58	2,466.17	2,614.14	2,770.99		
W10	East Rio Hondo	640.54	684.36	752.80	771.15	628.51	580.83	615.68	652.62	691.77		
W 11	Military Hwy WSC	829.28	886.86	981.02	1,007.07	809.00	740.03	784.43	831.50	881.38		
<b>Increase/(Decrease) -- Percent</b>												
W1	<b>Residential Inside</b>	<b>38.3%</b>	<b>15.9%</b>	<b>16.8%</b>	<b>15.2%</b>	<b>8.3%</b>	<b>5.7%</b>	<b>5.7%</b>	<b>5.7%</b>	<b>5.7%</b>		
W2	Residential Outside	40.7%	15.7%	16.5%	14.9%	8.3%	5.7%	5.7%	5.7%	5.7%		
W3	Commercial & Industrial Inside	16.6%	15.7%	16.5%	14.0%	7.8%	5.5%	5.5%	5.5%	5.6%		
W4	Commercial & Industrial Outside	14.7%	13.8%	14.4%	12.7%	7.4%	5.5%	5.5%	5.5%	5.5%		
W5	Multi Housing Apts/Condos Inside	14.0%	13.4%	14.0%	12.2%	7.3%	5.4%	5.4%	5.4%	5.4%		
W6	Multi Housing Apts/Condos Outside	17.7%	16.6%	17.3%	14.9%	8.1%	5.6%	5.6%	5.6%	5.6%		
W7	Public Services/Institutional Inside	15.9%	15.2%	15.9%	13.5%	8.0%	6.0%	6.0%	6.0%	6.0%		
W8	Public Services/Institutional Outside	23.7%	21.4%	22.2%	17.9%	9.1%	6.0%	6.0%	6.0%	6.0%		
W9	Town of Combes Inside	11.5%	11.2%	11.4%	10.6%	7.3%	6.0%	6.0%	6.0%	6.0%		
W10	Town of Combes Outside	11.0%	10.0%	10.0%	9.3%	6.9%	6.0%	6.0%	6.0%	6.0%		
W 11	City of Primera	10.3%	10.0%	10.0%	9.3%	6.9%	6.0%	6.0%	6.0%	6.0%		

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Input Area -- Rate Calculator</b>											
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inv											
<b>Water Rates</b>											
Elasticity Adjustment on Volume		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Month of Adjustment (Oct = 1) Fiscal Year Oct 1 - Sept 30		6	4	4	4	4	4	4	4	4	4
Outside City Premium -- Water		50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Meter Charge		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Volume Charge		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Annual Adjustment</b>											
Base Charge (all classes)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
OR by Indiv Rate Class:	Dashboard										
W1 Residential Inside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W2 Residential Outside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W3 Commercial & Industrial Inside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W4 Commercial & Industrial Outside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W5 Multi Housing Apts/Condos Inside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W6 Multi Housing Apts/Condos Outside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W7 Public Services/Institutional Inside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W8 Public Services/Institutional Outside		25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W9 Town of Combes Inside	Wholesale	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W10 Town of Combes Outside	Wholesale	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W11 City of Primera	Wholesale	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W12 City of Palm Valley	Wholesale	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W13 East Rio Hondo	Wholesale	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W14 Military Hwy WSC	Wholesale	25.00%	25.00%	25.00%	25.00%	20.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W1 Residential Inside	Dashboard	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W2 Residential Outside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W3 Commercial & Industrial Inside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W4 Commercial & Industrial Outside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W5 Multi Housing Apts/Condos Inside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W6 Multi Housing Apts/Condos Outside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W7 Public Services/Institutional Inside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W8 Public Services/Institutional Outside		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W9 Town of Combes Inside	Wholesale	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W10 Town of Combes Outside	Wholesale	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W11 City of Primera	Wholesale	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W12 City of Palm Valley	Wholesale	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W13 East Rio Hondo	Wholesale	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
W14 Military Hwy WSC	Wholesale	11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
<b>W1 Residential Inside</b>											
Base Charge	Contract Base Charge (not based on meter size)	\$ 7.93	\$ 9.91	\$ 12.39	\$ 15.49	\$ 19.36	\$ 23.23	\$ 24.63	\$ 26.10	\$ 27.67	\$ 29.33
Base Charge	5/8"	10.07	13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00
Base Charge	1"	14.56	19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33
Base Charge	1 1/2"	33.02	43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65
Base Charge	2"	49.17	65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64
Base Charge	3"	112.87	192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56
Base Charge	4"	231.80	378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48
Base Charge	6"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26
Usage Charge	-	3,000	1.65	1.25	1.25	1.25	1.25	1.33	1.40	1.49	1.58
	3,001	10,000	0.06	1.75	1.93	2.12	2.33	2.54	2.69	2.85	3.02
	10,001	20,000	2.50	2.75	3.03	3.33	3.63	3.84	4.08	4.32	4.58
	20,001	Above	3.00	3.30	3.63	3.99	4.35	4.61	4.89	5.18	5.49
			-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL																
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033				
<b>Input Area -- Rate Calculator</b>																
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inv																
<b>W2 Residential Outside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Base Charge	5/8"	12.49	14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64				
Base Charge	1"	15.09	19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95				
Base Charge	1 1/2"	21.86	29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59				
Base Charge	2"	49.55	65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18				
Base Charge	3"	73.77	98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08				
Base Charge	4"	169.32	288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24				
Base Charge	6"	346.97	567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30				
Base Charge	8"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95				
Usage Charge	-	3.000	2.48	1.88	1.88	1.88	1.88	1.99	2.11	2.23	2.37	2.51				
	3.001	10,000	0.06	2.63	2.89	3.18	3.49	3.81	4.04	4.28	4.54	4.81				
	10,001	20,000		3.75	4.13	4.54	4.99	5.44	5.77	6.11	6.48	6.87				
	20,001	Above		4.50	4.95	5.45	5.99	6.53	6.92	7.34	7.78	8.24				
<b>W3 Commercial &amp; Industrial Inside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Base Charge	5/8"	7.93	9.91	12.39	15.49	19.36	23.23	24.63	26.10	27.67	29.33	31.09				
Base Charge	1"	10.07	13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00	46.64				
Base Charge	1 1/2"	14.56	19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33	77.73				
Base Charge	2"	33.02	43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65	155.45				
Base Charge	3"	49.17	65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64	248.72				
Base Charge	4"	112.87	192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56	1,088.16				
Base Charge	6"	231.80	378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48	2,020.86				
Base Charge	8"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63				
Base Charge	10"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63				
Usage Charge	-	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56			
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-				
	-	-	-	-	-	-	-	-	-	-	-	-				
<b>W4 Commercial &amp; Industrial Outside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Base Charge	5/8"	12.49	14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64				
Base Charge	1"	15.09	19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95				
Base Charge	1 1/2"	21.86	29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59				
Base Charge	2"	49.55	65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18				
Base Charge	3"	73.77	98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08				
Base Charge	4"	169.32	288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24				
Base Charge	6"	346.97	567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30				
Base Charge	8"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95				
Usage Charge	-	Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33			
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-				
	-	-	-	-	-	-	-	-	-	-	-	-				
<b>W5 Multi Housing Apts/Condos Inside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Base Charge	5/8"	7.93	9.91	12.39	15.49	19.36	23.23	24.63	26.10	27.67	29.33	31.09				
Base Charge	1"	10.07	13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00	46.64				
Base Charge	1 1/2"	14.56	19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33	77.73				
Base Charge	2"	33.02	43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65	155.45				
Base Charge	3"	49.17	65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64	248.72				
Base Charge	4"	112.87	192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56	1,088.16				
Base Charge	6"	231.80	378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48	2,020.86				
Base Charge	8"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63				
Base Charge	10"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63				
Usage Charge	-	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56			
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-				
	-	-	-	-	-	-	-	-	-	-	-	-				

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL																	
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033					
<i>Input Area -- Rate Calculator</i>																	
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inve																	
<b>W6</b>	<b>Multi Housing Apts/Condos Outside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Base Charge	5/8"	12.49	14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64					
Base Charge	1"	15.09	19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95					
Base Charge	1 1/2"	21.86	29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59					
Base Charge	2"	49.55	65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18					
Base Charge	3"	73.77	98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08					
Base Charge	4"	169.32	288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24					
Base Charge	6"	346.97	567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30					
Base Charge	8"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95					
Base Charge	10"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95					
Usage Charge	Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33					
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-					
		-	-	-	-	-	-	-	-	-	-	-					
<b>W7</b>	<b>Public Services/Institutional Inside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Base Charge	5/8"	7.93	9.91	12.39	15.49	19.36	23.23	24.63	26.10	27.67	29.33	31.09					
Base Charge	1"	10.07	13.16	17.16	22.34	29.04	34.85	36.94	39.16	41.51	44.00	46.64					
Base Charge	1 1/2"	14.56	19.85	26.86	36.15	48.40	58.08	61.57	65.26	69.18	73.33	77.73					
Base Charge	2"	33.02	43.35	56.77	74.20	96.80	116.16	123.13	130.52	138.35	146.65	155.45					
Base Charge	3"	49.17	65.92	87.98	116.94	154.88	185.86	197.01	208.83	221.36	234.64	248.72					
Base Charge	4"	112.87	192.55	305.02	461.68	677.61	813.13	861.92	913.64	968.46	1,026.56	1,088.16					
Base Charge	6"	231.80	378.39	583.79	868.24	1,258.42	1,510.11	1,600.71	1,696.76	1,798.56	1,906.48	2,020.86					
Base Charge	8"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63					
Base Charge	10"	426.15	746.45	1,200.27	1,834.35	2,710.45	3,252.54	3,447.69	3,654.55	3,873.83	4,106.26	4,352.63					
Usage Charge	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56					
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-					
		-	-	-	-	-	-	-	-	-	-	-					
<b>W8</b>	<b>Public Services/Institutional Outside</b>	on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Base Charge	5/8"	12.49	14.87	18.59	23.23	29.04	34.85	36.94	39.16	41.51	44.00	46.64					
Base Charge	1"	15.09	19.74	25.74	33.51	43.56	52.27	55.41	58.73	62.26	65.99	69.95					
Base Charge	1 1/2"	21.86	29.77	40.29	54.22	72.60	87.12	92.35	97.89	103.76	109.99	116.59					
Base Charge	2"	49.55	65.02	85.16	111.31	145.20	174.24	184.70	195.78	207.53	219.98	233.18					
Base Charge	3"	73.77	98.88	131.96	175.41	232.32	278.79	295.52	313.25	332.04	351.96	373.08					
Base Charge	4"	169.32	288.83	457.52	692.52	1,016.42	1,219.70	1,292.88	1,370.46	1,452.68	1,539.85	1,632.24					
Base Charge	6"	346.97	567.59	875.68	1,302.36	1,887.63	2,265.16	2,401.07	2,545.14	2,697.84	2,859.71	3,031.30					
Base Charge	8"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95					
Base Charge	10"	639.24	1,119.68	1,800.41	2,751.53	4,065.67	4,878.81	5,171.54	5,481.83	5,810.74	6,159.38	6,528.95					
Usage Charge	Volume Charge	2.48	2.75	3.02	3.32	3.66	3.99	4.22	4.48	4.75	5.03	5.33					
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-					
		-	-	-	-	-	-	-	-	-	-	-					
<b>W9</b>	<b>Town of Combes Inside</b>	Contract Base Charge (not based on meter size)	\$ 954.03	\$ 1,192.54	\$ 1,490.67	\$ 1,863.34	\$ 2,329.17	\$ 2,795.01	\$ 2,962.71	\$ 3,140.47	\$ 3,328.90	\$ 3,528.64	\$ 3,740.35				
Base Charge	5/8"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Base Charge	1"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Base Charge	1 1/2"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Base Charge	2"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Base Charge	3"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Base Charge	4"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Base Charge	6"	954.03	1,192.54	1,490.67	1,863.34	2,329.17	2,795.01	2,962.71	3,140.47	3,328.90	3,528.64	3,740.35					
Usage Charge	Volume Charge	1.45	1.61	1.77	1.95	2.14	2.34	2.48	2.62	2.78	2.95	3.12					
	Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	-					
		-	-	-	-	-	-	-	-	-	-	-					

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL														
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<i>Input Area -- Rate Calculator</i>														
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inve														
<b>W10</b>	<b>Town of Combes Outside</b>	Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Base Charge	5/8"												
	Base Charge	1"												
	Base Charge	1 1/2"												
	Base Charge	2"												
	Base Charge	3"												
	Base Charge	4"												
	Base Charge	6"												
	Base Charge	8"												
	Base Charge	10"												
	Usage Charge	Volume Charge	2.48	2.75	3.03	3.33	3.66	3.99	4.23	4.49	4.76	5.04	5.34	
		Fuel Cost Adjustment	0.06	-										
<b>W11</b>	<b>City of Primera</b>	See "Wholesale Customers monthly to 2018 DDL.xlsx"												
	Base Charge	5/8"												
	Base Charge	3/4"												
	Base Charge	1"												
	Base Charge	1 1/2"												
	Base Charge	2"												
	Base Charge	3"												
	Base Charge	4"												
	Base Charge	6"												
	Base Charge	8"												
	Base Charge	10"												
	Usage Charge	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56	
		Fuel Cost Adjustment	0.06	-										
<b>W12</b>	<b>City of Palm Valley</b>	See "Wholesale Customers monthly to 2018 DDL.xlsx"												
	Base Charge	5/8"												
	Base Charge	3/4"												
	Base Charge	1"												
	Base Charge	1 1/2"												
	Base Charge	2"												
	Base Charge	3"												
	Base Charge	4"												
	Base Charge	6"												
	Base Charge	8"												
	Base Charge	10"												
	Usage Charge	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56	
		Fuel Cost Adjustment	0.06	-										
<b>W13</b>	<b>East Rio Hondo</b>	See "Wholesale Customers monthly to 2018 DDL.xlsx"												
	Base Charge	5/8"												
	Base Charge	3/4"												
	Base Charge	1"												
	Base Charge	1 1/2"												
	Base Charge	2"												
	Base Charge	3"												
	Base Charge	4"												
	Base Charge	6"												
	Base Charge	8"												
	Base Charge	10"												
	Usage Charge	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56	
		Fuel Cost Adjustment	0.06	-										

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Input Area -- Rate Calculator</b>													
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inve													
<b>W14</b>	<b>Military Hwy WSC</b>												
	Base Charge	5/8"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		3/4"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		1"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		1 1/2"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		2"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		3"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		4"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		6"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		8"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
		10"	\$ 100.00	125.00	156.25	195.31	244.14	292.97	310.55	329.18	348.93	369.87	392.06
	Usage Charge	Volume Charge	1.65	1.83	2.01	2.22	2.44	2.66	2.82	2.99	3.16	3.35	3.56
		Fuel Cost Adjustment	0.06	-	-	-	-	-	-	-	-	-	
<b>Wastewater Rates</b>													
	Base Charge			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Volume Charge	Residential		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		Non-Residential		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Annual Adjustment</b>													
	Base Charge -- All Classes	Dashboard		25.00%	25.00%	25.00%	25.00%	25.00%	6.00%	6.00%	6.00%	6.00%	6.00%
	Volume Charge												
WW1	Residential Inside	Dashboard		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW2	Residential Outside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW3	Commercial & Industrial Inside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW4	Commercial & Industrial Outside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW5	Multi Housing Apts/Condos Inside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW6	Multi Housing Apts/Condos Outside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW7	Public Services/Institutional Inside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW8	Public Services/Institutional Outside			11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW9	Town of Combes	Wholesale		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
WW10	City of Primera	Wholesale		11.00%	10.00%	10.00%	10.00%	9.00%	6.00%	6.00%	6.00%	6.00%	6.00%
<b>Residential Inside</b>													
	Base Charge	(Wtr Mtr Size)	\$	-	\$	-	\$	-	\$	-	\$	-	
		5/8"	\$ 6.18	7.73	9.66	12.07	15.09	18.86	19.99	21.19	22.46	23.81	25.24
		1"	\$ 9.44	11.80	14.75	18.44	23.05	28.81	30.54	32.37	34.31	36.37	38.55
		1 1/2"	\$ 21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
		2"	\$ 25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
		3"	\$ 52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
		4"	\$ 134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
		6"	\$ 276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
		8"	\$ 439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
	Usage Charge	Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
		Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	
<b>Residential Outside</b>													
	Base Charge	(Wtr Mtr Size)		165.4%									
		5/8"	\$ 20.50	\$ 20.50	\$ 20.50	\$ 20.50	\$ 22.63	\$ 28.29	\$ 29.99	\$ 31.79	\$ 33.69	\$ 35.72	\$ 37.86
		1"	\$ 20.50	\$ 20.50	\$ 20.50	\$ 20.50	\$ 22.63	\$ 28.29	\$ 29.99	\$ 31.79	\$ 33.69	\$ 35.72	\$ 37.86
		1 1/2"	0%	\$ 21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49
		2"	0%	\$ 25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29
		3"	0%	\$ 52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08
		4"	0%	\$ 134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58
		6"	0%	\$ 276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67
		8"	0%	\$ 439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64
	Usage Charge	Volume Charge	0%	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44
		Fuel Cost Adjustment	0%	0.11	-	-	-	-	-	-	-	-	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Input Area -- Rate Calculator</b>													
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inve													
<b>Commercial &amp; Industrial Inside</b>													
Base Charge													
5/8"	\$ 6.18	7.73	9.66	12.07	15.09	18.86	19.99	21.19	22.46	23.81	25.24		
1"	\$ 9.44	11.80	14.75	18.44	23.05	28.81	30.54	32.37	34.31	36.37	38.55		
1 1/2"	\$ 21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44		
2"	\$ 25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24		
3"	\$ 52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33		
4"	\$ 134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70		
6"	\$ 276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49		
8"	\$ 439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20		
10"	\$ 439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20		
Usage Charge	Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89	
	Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-	
<b>Commercial &amp; Industrial Outside</b>													
Base Charge													
5/8"	\$ 20.50	\$ 25.63	\$ 32.03	\$ 40.04	\$ 50.05	\$ 62.56	\$ 66.31	\$ 70.29	\$ 74.51	\$ 78.98	\$ 83.72		
1"	\$ 20.50	\$ 25.63	\$ 32.03	\$ 40.04	\$ 50.05	\$ 62.56	\$ 66.31	\$ 70.29	\$ 74.51	\$ 78.98	\$ 83.72		
1 1/2"	\$ 21.41	\$ 26.76	\$ 33.45	\$ 41.82	\$ 52.27	\$ 65.34	\$ 69.26	\$ 73.41	\$ 77.82	\$ 82.49	\$ 87.44		
2"	\$ 25.77	\$ 32.21	\$ 40.27	\$ 50.33	\$ 62.92	\$ 78.64	\$ 83.36	\$ 88.36	\$ 93.67	\$ 99.29	\$ 105.24		
3"	\$ 52.97	\$ 66.21	\$ 82.77	\$ 103.46	\$ 129.32	\$ 161.65	\$ 171.35	\$ 181.63	\$ 192.53	\$ 204.08	\$ 216.33		
4"	\$ 134.60	\$ 168.25	\$ 210.31	\$ 262.89	\$ 328.61	\$ 410.77	\$ 435.41	\$ 461.54	\$ 489.23	\$ 518.58	\$ 549.70		
6"	\$ 276.08	\$ 345.10	\$ 431.38	\$ 539.22	\$ 674.02	\$ 842.53	\$ 893.08	\$ 946.67	\$ 1,003.47	\$ 1,063.67	\$ 1,127.49		
8"	\$ 439.33	\$ 549.16	\$ 686.45	\$ 858.07	\$ 1,072.58	\$ 1,340.73	\$ 1,421.17	\$ 1,506.44	\$ 1,596.83	\$ 1,692.64	\$ 1,794.20		
Usage Charge	Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89	
	Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-	
<b>Multi Housing Apts/Condos Inside</b>													
Base Charge													
5/8"	\$ 6.18	\$ 7.73	\$ 9.66	\$ 12.07	\$ 15.09	\$ 18.86	\$ 19.99	\$ 21.19	\$ 22.46	\$ 23.81	\$ 25.24		
1"	\$ 9.44	\$ 11.80	\$ 14.75	\$ 18.44	\$ 23.05	\$ 28.81	\$ 30.54	\$ 32.37	\$ 34.31	\$ 36.37	\$ 38.55		
1 1/2"	\$ 21.41	\$ 26.76	\$ 33.45	\$ 41.82	\$ 52.27	\$ 65.34	\$ 69.26	\$ 73.41	\$ 77.82	\$ 82.49	\$ 87.44		
2"	\$ 25.77	\$ 32.21	\$ 40.27	\$ 50.33	\$ 62.92	\$ 78.64	\$ 83.36	\$ 88.36	\$ 93.67	\$ 99.29	\$ 105.24		
3"	\$ 52.97	\$ 66.21	\$ 82.77	\$ 103.46	\$ 129.32	\$ 161.65	\$ 171.35	\$ 181.63	\$ 192.53	\$ 204.08	\$ 216.33		
4"	\$ 134.60	\$ 168.25	\$ 210.31	\$ 262.89	\$ 328.61	\$ 410.77	\$ 435.41	\$ 461.54	\$ 489.23	\$ 518.58	\$ 549.70		
6"	\$ 276.08	\$ 345.10	\$ 431.38	\$ 539.22	\$ 674.02	\$ 842.53	\$ 893.08	\$ 946.67	\$ 1,003.47	\$ 1,063.67	\$ 1,127.49		
8"	\$ 439.33	\$ 549.16	\$ 686.45	\$ 858.07	\$ 1,072.58	\$ 1,340.73	\$ 1,421.17	\$ 1,506.44	\$ 1,596.83	\$ 1,692.64	\$ 1,794.20		
Usage Charge	Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89	
	Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-	
<b>Multi Housing Apts/Condos Outside</b>													
Base Charge													
5/8"	\$ 20.50	\$ 25.63	\$ 32.03	\$ 40.04	\$ 50.05	\$ 62.56	\$ 66.31	\$ 70.29	\$ 74.51	\$ 78.98	\$ 83.72		
1"	\$ 20.50	\$ 25.63	\$ 32.03	\$ 40.04	\$ 50.05	\$ 62.56	\$ 66.31	\$ 70.29	\$ 74.51	\$ 78.98	\$ 83.72		
1 1/2"	\$ 21.41	\$ 26.76	\$ 33.45	\$ 41.82	\$ 52.27	\$ 65.34	\$ 69.26	\$ 73.41	\$ 77.82	\$ 82.49	\$ 87.44		
2"	\$ 25.77	\$ 32.21	\$ 40.27	\$ 50.33	\$ 62.92	\$ 78.64	\$ 83.36	\$ 88.36	\$ 93.67	\$ 99.29	\$ 105.24		
3"	\$ 52.97	\$ 66.21	\$ 82.77	\$ 103.46	\$ 129.32	\$ 161.65	\$ 171.35	\$ 181.63	\$ 192.53	\$ 204.08	\$ 216.33		
4"	\$ 134.60	\$ 168.25	\$ 210.31	\$ 262.89	\$ 328.61	\$ 410.77	\$ 435.41	\$ 461.54	\$ 489.23	\$ 518.58	\$ 549.70		
6"	\$ 276.08	\$ 345.10	\$ 431.38	\$ 539.22	\$ 674.02	\$ 842.53	\$ 893.08	\$ 946.67	\$ 1,003.47	\$ 1,063.67	\$ 1,127.49		
8"	\$ 439.33	\$ 549.16	\$ 686.45	\$ 858.07	\$ 1,072.58	\$ 1,340.73	\$ 1,421.17	\$ 1,506.44	\$ 1,596.83	\$ 1,692.64	\$ 1,794.20		
Usage Charge	Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89	
	Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-	
<b>Public Services/Institutional Inside</b>													
Base Charge													
5/8"	\$ 6.18	\$ 7.73	\$ 9.66	\$ 12.07	\$ 15.09	\$ 18.86	\$ 19.99	\$ 21.19	\$ 22.46	\$ 23.81	\$ 25.24		
1"	\$ 9.44	\$ 11.80	\$ 14.75	\$ 18.44	\$ 23.05	\$ 28.81	\$ 30.54	\$ 32.37	\$ 34.31	\$ 36.37	\$ 38.55		
1 1/2"	\$ 21.41	\$ 26.76	\$ 33.45	\$ 41.82	\$ 52.27	\$ 65.34	\$ 69.26	\$ 73.41	\$ 77.82	\$ 82.49	\$ 87.44		
2"	\$ 25.77	\$ 32.21	\$ 40.27	\$ 50.33	\$ 62.92	\$ 78.64	\$ 83.36	\$ 88.36	\$ 93.67	\$ 99.29	\$ 105.24		
3"	\$ 52.97	\$ 66.21	\$ 82.77	\$ 103.46	\$ 129.32	\$ 161.65	\$ 171.35	\$ 181.63	\$ 192.53	\$ 204.08	\$ 216.33		
4"	\$ 134.60	\$ 168.25	\$ 210.31	\$ 262.89	\$ 328.61	\$ 410.77	\$ 435.41	\$ 461.54	\$ 489.23	\$ 518.58	\$ 549.70		
6"	\$ 276.08	\$ 345.10	\$ 431.38	\$ 539.22	\$ 674.02	\$ 842.53	\$ 893.08	\$ 946.67	\$ 1,003.47	\$ 1,063.67	\$ 1,127.49		
8"	\$ 439.33	\$ 549.16	\$ 686.45	\$ 858.07	\$ 1,072.58	\$ 1,340.73	\$ 1,421.17	\$ 1,506.44	\$ 1,596.83	\$ 1,692.64	\$ 1,794.20		
10"	\$ 439.33	\$ 549.16	\$ 686.45	\$ 858.07	\$ 1,072.58	\$ 1,340.73	\$ 1,421.17	\$ 1,506.44	\$ 1,596.83	\$ 1,692.64	\$ 1,794.20		
Usage Charge	Volume Charge	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89	
	Fuel Cost Adjustment	0.11	-	-	-	-	-	-	-	-	-	-	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<i>Input Area -- Rate Calculator</i>													
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inv</i>													
<b>Public Services/Institutional Outside</b>													
Base Charge	(Wtr Mtr Size)	\$	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
5/8"		\$	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1"		\$	20.50	25.63	32.03	40.04	50.05	62.56	66.31	70.29	74.51	78.98	83.72
1 1/2"		\$	21.41	26.76	33.45	41.82	52.27	65.34	69.26	73.41	77.82	82.49	87.44
2"		\$	25.77	32.21	40.27	50.33	62.92	78.64	83.36	88.36	93.67	99.29	105.24
3"		\$	52.97	66.21	82.77	103.46	129.32	161.65	171.35	181.63	192.53	204.08	216.33
4"		\$	134.60	168.25	210.31	262.89	328.61	410.77	435.41	461.54	489.23	518.58	549.70
6"		\$	276.08	345.10	431.38	539.22	674.02	842.53	893.08	946.67	1,003.47	1,063.67	1,127.49
8"		\$	439.33	549.16	686.45	858.07	1,072.58	1,340.73	1,421.17	1,506.44	1,596.83	1,692.64	1,794.20
Usage Charge	Volume Charge	\$	3.66	4.06	4.47	4.92	5.41	5.89	6.25	6.62	7.02	7.44	7.89
	Fuel Cost Adjustment	\$	0.11	-	-	-	-	-	-	-	-	-	-
<b>Town of Combes</b>													
Base Charge		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
5/8"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
1"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
1 1/2"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
3"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
4"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
6"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
8"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
10"		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Usage Charge	- 6,500.00	\$	2.80	3.11	3.42	3.76	4.14	4.51	4.78	5.07	5.37	5.69	6.03
	6,500.001 Above	\$	3.26	3.62	3.98	4.38	4.82	5.25	5.56	5.90	6.25	6.63	7.03
	Fuel Cost Adjustment	\$	0.11	-	-	-	-	-	-	-	-	-	-
<b>City of Primera</b>													
Base Charge		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
5/8"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
1"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
1 1/2"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
2"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
3"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
4"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
6"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
8"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
10"		\$	861.00	1,076.25	1,345.31	1,681.64	2,102.05	2,627.56	2,785.22	2,952.33	3,129.47	3,317.24	3,516.27
Usage Charge	Volume Charge	\$	1.37	1.52	1.67	1.84	2.02	2.21	2.34	2.48	2.63	2.79	2.95
	Fuel Cost Adjustment	\$	0.11	-	-	-	-	-	-	-	-	-	-
<b>Net Revenues Available for Contingency and Coverage</b>													
Water			(3,459,328)	(1,782,207)	(982,253)	296,267	806,529	498,823	1,055,397	1,375,916	1,929,690	2,375,776	
Wastewater			1,359,725	3,097,915	2,763,596	767,428	593,721	1,024,073	1,796,708	2,646,316	3,806,977	4,889,936	
<b>Total</b>			(2,099,602)	1,315,708	1,781,343	1,063,695	1,400,250	1,522,896	2,852,106	4,022,232	5,736,667	7,265,712	
			-9.9%	5.1%	6.0%	3.1%	3.5%	3.5%	6.1%	8.0%	10.6%	12.5%	
<b>Debt Coverage</b>													
Water Fund Only			(2.27)	0.47	1.23	1.83	1.65	1.40	1.49	1.52	1.61	1.66	
WW Fund Only			5.12	5.73	2.56	1.34	1.24	1.27	1.35	1.43	1.56	1.67	
Combined W & WW Funds			1.43	3.10	2.08	1.46	1.36	1.31	1.40	1.47	1.58	1.67	
FB Days of Operating Expenses			266	231	202	162	156	155	172	194	228	268	
25% of Operating Costs % Attainment			291%	253%	221%	178%	170%	170%	188%	213%	250%	294%	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inv</i>											
<b>WATER Rate Revenues</b>											
<b>W1 Residential Inside</b>											
<b>Base Charge</b>											
Contract Base Charge (not based on meter size)											
5/8"		2,118,659	2,787,605	3,536,774	4,487,283	5,530,576	6,181,492	6,650,667	7,155,453	7,698,552	8,282,872
1"		139,821	193,389	255,677	337,479	420,551	470,048	505,724	544,109	585,407	629,839
1 1/2"		12,813	18,540	25,363	34,516	43,363	48,467	52,145	56,103	60,361	64,943
2"		1,865	2,593	3,441	4,559	5,687	6,356	6,839	7,358	7,916	8,517
3"		-	-	-	-	-	-	-	-	-	-
4"		-	-	-	-	-	-	-	-	-	-
6"		-	-	-	-	-	-	-	-	-	-
Sub-Total		2,273,157	3,002,126	3,821,256	4,863,836	6,000,177	6,706,363	7,215,375	7,763,022	8,352,236	8,986,171
<b>Volume charge</b>											
- 3,000		966,990	839,864	846,163	852,509	858,903	899,958	961,111	1,026,418	1,096,163	1,170,647
3,001 10,000		678,977	1,410,971	1,563,709	1,732,980	1,908,572	2,056,400	2,196,132	2,345,359	2,504,726	2,674,923
10,001 20,000		208,403	447,927	496,415	550,152	605,896	652,825	697,185	744,558	795,151	849,182
20,001 Above		125,042	268,756	297,849	330,091	363,537	391,695	418,311	446,735	477,091	509,509
Sub-Total		1,979,411	2,967,519	3,204,136	3,465,733	3,736,908	4,000,879	4,272,738	4,563,071	4,873,131	5,204,261
Total		4,252,568	5,969,645	7,025,393	8,329,569	9,737,085	10,707,241	11,488,114	12,326,093	13,225,367	14,190,431
<b>Combined Charge</b>											
Contract Base Charge (not based on meter size)											
5/8"		3,996,594	5,602,992	6,576,648	7,775,342	9,075,908	9,977,262	10,704,360	11,484,594	12,321,858	13,220,332
1"		235,021	336,112	409,781	504,164	600,279	662,471	711,223	763,571	819,781	880,139
1 1/2"		18,702	27,369	34,897	44,828	54,482	60,371	64,859	69,680	74,861	80,428
2"		2,251	3,172	4,066	5,235	6,416	7,137	7,672	8,248	8,867	9,533
3"		-	-	-	-	-	-	-	-	-	-
4"		-	-	-	-	-	-	-	-	-	-
6"		-	-	-	-	-	-	-	-	-	-
Total		\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085	\$ 10,707,241	\$ 11,488,114	\$ 12,326,093	\$ 13,225,367	\$ 14,190,431
<b>W2 Residential Outside</b>											
<b>Base Charge</b>											
Contract Base Charge (not based on meter size)											
5/8"		499,405	642,797	815,549	1,034,728	1,275,302	1,425,398	1,533,586	1,649,985	1,775,219	1,909,958
1"		32,318	44,719	59,122	78,038	97,247	108,693	116,942	125,818	135,368	145,642
1 1/2"		2,837	4,103	5,613	7,639	9,597	10,726	11,540	12,416	13,359	14,373
2"		699	972	1,290	1,710	2,133	2,384	2,565	2,759	2,969	3,194
3"		-	-	-	-	-	-	-	-	-	-
4"		-	-	-	-	-	-	-	-	-	-
6"		-	-	-	-	-	-	-	-	-	-
Sub-Total		535,259	692,591	881,575	1,122,114	1,384,279	1,547,200	1,664,633	1,790,979	1,926,914	2,073,167
<b>Volume charge</b>											
- 3,000		208,099	180,534	181,888	183,252	184,627	193,452	206,597	220,635	235,627	251,638
3,001 10,000		164,957	346,625	384,147	425,731	468,868	505,184	539,511	576,171	615,322	657,133
10,001 20,000		76,796	165,060	182,927	202,729	223,270	240,564	256,910	274,367	293,010	312,920
20,001 Above		30,718	66,024	73,171	81,092	89,308	96,226	102,764	109,747	117,204	125,168
Sub-Total		480,571	758,243	822,134	892,804	966,073	1,035,425	1,105,782	1,180,920	1,261,164	1,346,860
Total		1,015,830	1,450,834	1,703,709	2,014,919	2,350,352	2,582,625	2,770,415	2,971,899	3,188,077	3,420,026
<b>Combined Charge</b>											
Contract Base Charge (not based on meter size)											
5/8"	\$ -	\$ 955,277	\$ 1,362,070	\$ 1,595,429	\$ 1,881,646	\$ 2,191,723	\$ 2,407,606	\$ 2,582,535	\$ 2,770,210	\$ 2,971,564	\$ 3,187,594
1"		55,493	81,284	98,768	121,092	143,834	158,624	170,267	182,766	196,185	210,592
1 1/2"		4,209	6,268	7,961	10,188	12,355	13,683	14,698	15,788	16,960	18,218
2"		852	1,213	1,551	1,993	2,439	2,712	2,915	3,134	3,369	3,621
3"		-	-	-	-	-	-	-	-	-	-
4"		-	-	-	-	-	-	-	-	-	-
6"		-	-	-	-	-	-	-	-	-	-
Total	\$ 1,015,830	\$ 1,450,834	\$ 1,703,709	\$ 2,014,919	\$ 2,350,352	\$ 2,582,625	\$ 2,770,415	\$ 2,971,899	\$ 3,188,077	\$ 3,420,026	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<i>Input Area -- Rate Calculator</i>												
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inv</i>												
<b>W3 Commercial &amp; Industrial Inside</b>												
<b>Base Charge</b>												
Contract Base Charge (not based on meter size)												
5/8"		151,628	199,504	253,120	321,146	395,813	442,398	475,976	512,102	550,971	592,790	
1"		71,328	98,656	130,432	172,162	214,541	239,791	257,991	277,573	298,640	321,307	
1 1/2"		47,260	68,384	93,553	127,312	159,946	178,771	192,339	206,938	222,644	239,543	
2"		98,372	136,757	181,530	240,490	299,988	335,294	360,743	388,124	417,582	449,277	
3"		19,674	27,978	37,787	50,848	63,694	71,190	76,594	82,407	88,662	95,391	
4"		11,188	19,893	30,904	46,395	59,713	66,741	71,807	77,257	83,121	89,429	
6"		3,725	6,386	9,729	14,407	18,483	20,658	22,226	23,913	25,728	27,681	
8"		-	-	-	-	-	-	-	-	-	-	
10"		7,159	13,000	20,416	30,878	39,809	44,494	47,871	51,505	55,414	59,620	
Sub-Total		410,334	570,558	757,470	1,003,639	1,251,986	1,399,337	1,505,547	1,619,818	1,742,762	1,875,038	
<b>Volume charge</b>												
- Volume Charge		1,168,738	1,321,482	1,464,533	1,623,068	1,787,523	1,925,975	2,056,845	2,196,608	2,345,867	2,505,269	
- Cost Adjustment		20,142	-	-	-	-	-	-	-	-	-	
Sub-Total		1,188,880	1,321,482	1,464,533	1,623,068	1,787,523	1,925,975	2,056,845	2,196,608	2,345,867	2,505,269	
Total		1,599,214	1,892,040	2,222,003	2,626,707	3,039,509	3,325,313	3,562,392	3,816,426	4,088,630	4,380,307	
<b>Combined Charge</b>												
Contract Base Charge (not based on meter size)												
5/8"		850,792	976,649	1,114,392	1,275,650	1,447,031	1,575,037	1,685,578	1,803,897	1,930,543	2,066,104	
1"		323,972	379,478	441,653	517,073	594,399	649,071	695,082	744,364	797,150	853,690	
1 1/2"		160,271	194,000	232,767	281,596	329,863	361,848	387,857	415,741	445,636	477,687	
2"		204,352	254,557	312,082	385,175	459,332	506,980	544,095	583,934	626,698	672,602	
3"		33,737	43,610	55,111	70,048	84,839	93,973	100,925	108,392	116,412	125,027	
4"		14,201	23,243	34,616	50,510	64,244	71,623	77,020	82,825	89,067	95,780	
6"		4,227	6,945	10,348	15,092	19,238	21,472	23,095	24,841	26,719	28,739	
8"		-	-	-	-	-	-	-	-	-	-	
10"		7,661	13,559	21,034	31,563	40,564	45,308	48,740	52,433	56,405	60,678	
Total		\$ 1,599,214	\$ 1,892,040	\$ 2,222,003	\$ 2,626,707	\$ 3,039,509	\$ 3,325,313	\$ 3,562,392	\$ 3,816,426	\$ 4,088,630	\$ 4,380,307	
<b>W4 Commercial &amp; Industrial Outside</b>												
<b>Base Charge</b>												
Contract Base Charge (not based on meter size)												
5/8"		10,356	13,329	16,911	21,456	26,444	29,557	31,800	34,214	36,811	39,604	
1"		4,678	6,472	8,557	11,295	14,075	15,732	16,926	18,211	19,593	21,080	
1 1/2"		3,152	4,559	6,237	8,487	10,663	11,918	12,823	13,796	14,843	15,970	
2"		6,295	8,750	11,614	15,387	19,194	21,452	23,081	24,833	26,717	28,745	
3"		1,054	1,499	2,024	2,724	3,412	3,814	4,103	4,415	4,750	5,110	
4"		-	-	-	-	-	-	-	-	-	-	
6"		-	-	-	-	-	-	-	-	-	-	
8"		-	-	-	-	-	-	-	-	-	-	
0		Sub-Total	25,534	34,609	45,344	59,349	73,788	82,473	88,733	95,467	102,713	110,509
<b>Volume charge</b>												
Volume Charge		101,298	114,427	126,814	140,542	154,782	166,771	178,103	190,205	203,129	216,932	
Fuel Cost Adjustment		1,163	-	-	-	-	-	-	-	-	-	
Sub-Total		102,461	114,427	126,814	140,542	154,782	166,771	178,103	190,205	203,129	216,932	
Total		127,995	149,036	172,158	199,891	228,570	249,243	266,835	285,672	305,842	327,441	
<b>Combined Charge</b>												
Contract Base Charge (not based on meter size)												
5/8"		71,438	81,545	92,512	105,240	118,718	128,978	137,977	147,605	157,907	168,929	
1"		26,352	30,678	35,383	41,025	46,818	51,010	54,601	58,446	62,562	66,969	
1 1/2"		13,004	15,562	18,431	22,001	25,546	27,954	29,948	32,085	34,375	36,828	
2"		15,162	18,652	22,589	27,549	32,588	35,885	38,493	41,293	44,296	47,518	
3"		2,039	2,599	3,244	4,075	4,900	5,417	5,816	6,244	6,703	7,196	
4"		-	-	-	-	-	-	-	-	-	-	
6"		-	-	-	-	-	-	-	-	-	-	
8"		-	-	-	-	-	-	-	-	-	-	
0		Total	\$ 127,995	\$ 149,036	\$ 172,158	\$ 199,891	\$ 228,570	\$ 249,243	\$ 266,835	\$ 285,672	\$ 305,842	\$ 327,441

HARLINGEN WATERWORKS SYSTEM  
WATER/WASTEWATER COST OF SERVICE MODEL

**Current**      **2024**      **2025**      **2026**      **2027**      **2028**      **2029**      **2030**      **2031**      **2032**      **2033**

### ***Input Area -- Rate Calculator***

2024 02 27 -- Scen IIB -- On Time -- Inv

## W5 Multi Housing Apts/Condos Inside

Base Charge											
Contract Base Charge (not based on meter size)											
5/8"	-	51,959	68,364	86,737	110,048	135,634	151,598	163,104	175,483	188,803	203,133
1"	-	16,733	23,144	30,598	40,388	50,330	56,253	60,523	65,116	70,059	75,376
1 1/2"	-	10,082	14,589	19,958	27,160	34,122	38,138	41,032	44,147	47,497	51,103
2"	-	42,892	59,629	79,150	104,858	130,800	146,195	157,291	169,229	182,074	195,893
3"	-	703	999	1,350	1,816	2,275	2,543	2,735	2,943	3,166	3,407
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	11,176	19,159	29,187	43,220	55,448	61,974	66,678	71,738	77,183	83,042
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-
Sub-Total	-	133,545	185,884	246,980	327,490	408,609	456,699	491,363	528,657	568,782	611,953
Volume charge											
Volume Charge	-	685,262	774,820	858,694	951,648	1,048,072	1,129,250	1,205,983	1,287,929	1,375,444	1,468,906
Cost Adjustment	-	11,810	-	-	-	-	-	-	-	-	-
Sub-Total	-	697,072	774,820	858,694	951,648	1,048,072	1,129,250	1,205,983	1,287,929	1,375,444	1,468,906
Total	-	830,616	960,704	1,105,675	1,279,138	1,456,681	1,585,950	1,697,346	1,816,587	1,944,227	2,080,955
Combined Charge											
Contract Base Charge (not based on meter size)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
5/8"	-	501,895	568,485	640,996	724,305	812,130	880,491	941,526	1,006,799	1,076,606	1,151,263
1"	-	128,038	146,863	167,711	192,343	217,681	236,566	253,088	270,767	289,683	309,926
1 1/2"	-	55,359	64,915	75,732	88,972	102,197	111,486	119,364	127,801	136,836	146,512
2"	-	129,672	156,088	186,051	223,331	261,277	286,778	307,427	329,567	353,306	378,767
3"	-	1,646	2,048	2,512	3,104	3,693	4,071	4,367	4,686	5,028	5,396
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	14,005	22,305	32,673	47,083	59,703	66,558	71,573	76,967	82,767	89,000
Total	\$	\$ 830,616	\$ 960,704	\$ 1,105,675	\$ 1,279,138	\$ 1,456,681	\$ 1,585,950	\$ 1,697,346	\$ 1,816,587	\$ 1,944,227	\$ 2,080,955

### **W6 Multi Housing Apts/Condos Outside**

<u>Base Charge</u>											
Contract Base Charge (not based on meter size)											
5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	7,349	9,459	12,001	15,227	18,767	20,976	22,568	24,281	26,124	28,106	-
1 1/2"	2,339	3,236	4,279	5,647	7,038	7,866	8,463	9,105	9,796	10,546	-
2"	1,261	1,824	2,495	3,395	4,265	4,767	5,129	5,518	5,937	6,388	-
3"	6,295	8,750	11,614	15,387	19,194	21,452	23,081	24,833	26,717	28,745	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-
Sub-Total	17,244	23,269	30,389	39,656	49,263	55,061	59,241	63,737	68,575	73,775	-
<u>Volume charge</u>											
Volume Charge	33,858	38,247	42,387	46,976	51,735	55,742	59,530	63,575	67,895	72,505	-
Cost Adjustment	389	-	-	-	-	-	-	-	-	-	-
Sub-Total	34,247	38,247	42,387	46,976	51,735	55,742	59,530	63,575	67,895	72,505	-
Total	51,491	61,516	72,776	86,632	100,999	110,804	118,771	127,312	136,470	146,288	-
<u>Combined Charge</u>											
Contract Base Charge (not based on meter size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5/8"	\$ 29,509	\$ 34,207	\$ 39,428	\$ 45,623	\$ 52,243	\$ 57,044	\$ 61,087	\$ 65,418	\$ 70,056	\$ 75,024	-
1"	\$ 7,879	\$ 9,423	\$ 11,135	\$ 13,246	\$ 15,407	\$ 16,883	\$ 18,093	\$ 19,389	\$ 20,779	\$ 22,265	-
1 1/2"	\$ 3,275	\$ 4,073	\$ 4,988	\$ 6,158	\$ 7,308	\$ 8,046	\$ 8,631	\$ 9,258	\$ 9,931	\$ 10,655	-
2"	\$ 10,828	\$ 13,812	\$ 17,225	\$ 21,604	\$ 26,041	\$ 28,830	\$ 30,960	\$ 33,247	\$ 35,703	\$ 38,342	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 51,491	\$ 61,516	\$ 72,776	\$ 86,632	\$ 100,999	\$ 110,804	\$ 118,771	\$ 127,312	\$ 136,470	\$ 146,288	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033

**Input Area -- Rate Calculator****Scenario:****2024 02 27 -- Scen IIB -- On Time -- Inv**

W7 Public Services/Institutional Inside

<u>Base Charge</u>																				
Contract Base Charge (not based on meter size)																				
5/8"		17,343	22,482	28,102	35,127	42,655	46,970	49,789	52,776	55,942	59,299									
1"		17,839	24,309	31,664	41,176	50,554	55,669	59,009	62,549	66,302	70,280									
1 1/2"		16,102	22,954	30,939	41,481	51,344	56,538	59,931	63,527	67,338	71,378									
2"		115,925	158,776	207,644	271,021	333,075	366,775	388,781	412,108	436,835	463,045									
3"		4,143	5,805	7,724	10,241	12,638	13,917	14,752	15,637	16,576	17,570									
4"		7,330	12,841	19,654	29,070	36,862	40,592	43,027	45,609	48,345	51,246									
6"		14,645	24,736	37,124	54,161	68,458	75,385	79,908	84,702	89,784	95,171									
8"		-	-	-	-	-	-	-	-	-	-									
10"		-	-	-	-	-	-	-	-	-	-									
Sub-Total		193,326	271,903	362,851	482,279	595,586	655,846	695,196	736,908	781,123	827,990									
<u>Volume charge</u>																				
- Volume Charge		844,902	948,212	1,043,034	1,147,337	1,254,183	1,341,266	1,421,742	1,507,046	1,597,469	1,693,317									
- Fuel Cost Adjustment		14,561	-	-	-	-	-	-	-	-	-									
Sub-Total		859,463	948,212	1,043,034	1,147,337	1,254,183	1,341,266	1,421,742	1,507,046	1,597,469	1,693,317									
Total		1,052,790	1,220,115	1,405,884	1,629,616	1,849,769	1,997,111	2,116,938	2,243,954	2,378,592	2,521,307									
<u>Combined Charge</u>																				
Contract Base Charge (not based on meter size)	\$	-	\$	-	\$	-	\$	-	\$	-	\$									
5/8"		236,608	264,388	294,199	327,834	362,619	389,152	412,501	437,251	463,486	491,295									
1"		191,085	215,445	241,913	272,450	303,365	326,034	345,596	366,332	388,312	411,610									
1 1/2"		121,674	139,428	159,060	182,414	205,401	221,292	234,570	248,644	263,563	279,376									
2"		458,357	536,568	623,215	728,149	832,773	901,169	955,239	1,012,553	1,073,307	1,137,705									
3"		12,264	14,764	17,580	21,082	24,489	26,591	28,186	29,877	31,670	33,570									
4"		12,744	18,814	26,224	36,298	44,762	49,041	51,983	55,102	58,408	61,913									
6"		20,059	30,708	43,695	61,389	76,359	83,833	88,863	94,195	99,847	105,838									
8"		-	-	-	-	-	-	-	-	-	-									
10"		-	-	-	-	-	-	-	-	-	-									
Total	\$	1,052,790	\$	1,220,115	\$	1,405,884	\$	1,629,616	\$	1,849,769	\$	1,997,111	\$	2,116,938	\$	2,243,954	\$	2,378,592	\$	2,521,307

W8 Public Services/Institutional Outside

<u>Base Charge</u>																				
Contract Base Charge (not based on meter size)																				
5/8"		328	416	520	651	790	870	922	977	1,036	1,098									
1"		418	570	742	965	1,185	1,305	1,383	1,466	1,554	1,647									
1 1/2"		310	441	595	798	987	1,087	1,153	1,222	1,295	1,373									
2"		2,062	2,824	3,693	4,821	5,924	6,524	6,915	7,330	7,770	8,236									
3"		-	-	-	-	-	-	-	-	-	-									
4"		-	-	-	-	-	-	-	-	-	-									
6"		-	-	-	-	-	-	-	-	-	-									
Sub-Total		3,118	4,252	5,551	7,234	8,886	9,785	10,373	10,995	11,655	12,354									
<u>Volume charge</u>																				
- Volume Charge		3,025	3,392	3,731	4,104	4,486	4,798	5,086	5,391	5,714	6,057									
- Fuel Cost Adjustment		35	-	-	-	-	-	-	-	-	-									
Sub-Total		3,060	3,392	3,731	4,104	4,486	4,798	5,086	5,391	5,714	6,057									
Total		6,178	7,644	9,282	11,338	13,373	14,583	15,458	16,386	17,369	18,411									
<u>Combined Charge</u>																				
Contract Base Charge (not based on meter size)	\$	-	\$	-	\$	-	\$	-	\$	-	\$									
5/8"		1,093	1,264	1,453	1,677	1,912	2,069	2,193	2,325	2,465	2,612									
1"		1,183	1,418	1,675	1,991	2,306	2,504	2,654	2,814	2,983	3,162									
1 1/2"		692	865	1,061	1,311	1,548	1,687	1,788	1,896	2,009	2,130									
2"		3,210	4,096	5,092	6,360	7,607	8,323	8,822	9,352	9,913	10,507									
3"		-	-	-	-	-	-	-	-	-	-									
4"		-	-	-	-	-	-	-	-	-	-									
6"		-	-	-	-	-	-	-	-	-	-									
Total	\$	6,178	\$	7,644	\$	9,282	\$	11,338	\$	13,373	\$	14,583	\$	15,458	\$	16,386	\$	17,369	\$	18,411

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inv</i>											
<b>W9 Town of Combes Inside</b>											
<b>Base Charge</b>											
Contract Base Charge (not based on meter size)	12,879	16,696	20,869	26,087	31,677	34,882	36,975	39,193	41,545	44,037	
5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
Sub-Total	12,879	16,696	20,869	26,087	31,677	34,882	36,975	39,193	41,545	44,037	
<b>Volume charge</b>											
Volume Charge	163,909	183,951	202,346	222,581	243,309	260,202	275,815	292,363	309,905	328,500	
Fuel Cost Adjustment	3,214	-	-	-	-	-	-	-	-	-	-
Sub-Total	167,123	183,951	202,346	222,581	243,309	260,202	275,815	292,363	309,905	328,500	
Total	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537	
<b>Combined Charge</b>											
Contract Base Charge (not based on meter size)	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537	
5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 180,003	\$ 200,647	\$ 223,216	\$ 248,667	\$ 274,985	\$ 295,084	\$ 312,789	\$ 331,557	\$ 351,450	\$ 372,537	
<b>W10 Town of Combes Outside</b>											
<b>Base Charge</b>											
Contract Base Charge (not based on meter size)	-	-	-	-	-	-	-	-	-	-	-
5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-	-	-
<b>Volume charge</b>											
Volume Charge	2,025	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059	
Fuel Cost Adjustment	23	-	-	-	-	-	-	-	-	-	-
Sub-Total	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059	
Total	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059	
<b>Combined Charge</b>											
Contract Base Charge (not based on meter size)	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059	
5/8"	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 2,048	\$ 2,273	\$ 2,500	\$ 2,750	\$ 3,006	\$ 3,215	\$ 3,408	\$ 3,612	\$ 3,829	\$ 4,059	

# HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL

**Current**      **2024**      **2025**      **2026**      **2027**      **2028**      **2029**      **2030**      **2031**      **2032**      **2033**

### ***Input Area -- Rate Calculator***

Scenario: 2024 02 27 -- Scen II B -- On Time -- Inv

W 11      City of Primera

<u>Base Charge</u>												
5/8"	-	-	-	-	-	-	-	-	-	-	-	-
3/4"	-	-	-	-	-	-	-	-	-	-	-	-
1"	-	-	-	-	-	-	-	-	-	-	-	-
1 1/2"	-	-	-	-	-	-	-	-	-	-	-	-
2"	-	-	-	-	-	-	-	-	-	-	-	-
3"	-	-	-	-	-	-	-	-	-	-	-	-
4"	-	-	-	-	-	-	-	-	-	-	-	-
6"	-	-	-	-	-	-	-	-	-	-	-	-
8"	-	-	-	-	-	-	-	-	-	-	-	-
10"	-	-	-	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>												
<u>Volume charge</u>												
Volume Charge	267,217	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546		
Fuel Cost Adjustment	4,605	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-		
<b>Sub-Total</b>	<b>271,823</b>	<b>299,891</b>	<b>329,880</b>	<b>362,868</b>	<b>396,661</b>	<b>424,202</b>	<b>449,654</b>	<b>476,634</b>	<b>505,232</b>	<b>535,546</b>		
<b>Total</b>	<b>271,823</b>	<b>299,891</b>	<b>329,880</b>	<b>362,868</b>	<b>396,661</b>	<b>424,202</b>	<b>449,654</b>	<b>476,634</b>	<b>505,232</b>	<b>535,546</b>		
<u>Combined Charge</u>												
5/8"	271,823	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546		
3/4"	-	-	-	-	-	-	-	-	-	-		
1"	-	-	-	-	-	-	-	-	-	-		
1 1/2"	-	-	-	-	-	-	-	-	-	-		
2"	-	-	-	-	-	-	-	-	-	-		
3"	-	-	-	-	-	-	-	-	-	-		
4"	-	-	-	-	-	-	-	-	-	-		
6"	-	-	-	-	-	-	-	-	-	-		
8"	-	-	-	-	-	-	-	-	-	-		
10"	-	-	-	-	-	-	-	-	-	-		
<b>Total</b>	<b>\$ 271,823</b>	<b>\$ 299,891</b>	<b>\$ 329,880</b>	<b>\$ 362,868</b>	<b>\$ 396,661</b>	<b>\$ 424,202</b>	<b>\$ 449,654</b>	<b>\$ 476,634</b>	<b>\$ 505,232</b>	<b>\$ 535,546</b>		

W12 City of Palm Valley

Contract Base Charge (not based on meter size)	\$	298,167	\$	328,957	\$	361,852	\$	398,037	\$	435,105	\$	465,316	\$	493,235	\$	522,829	\$	554,198	\$	587,450
5/8"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1 1/2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	\$	298,167	\$	328,957	\$	361,852	\$	398,037	\$	435,105	\$	465,316	\$	493,235	\$	522,829	\$	554,198	\$	587,450

W13 East Rio Hondo

Contract Base Charge (not based on meter size)	\$	74,437	\$	82,123	\$	90,336	\$	99,369	\$	108,623	\$	116,165	\$	123,135	\$	130,523	\$	138,355	\$	146,656	
5/8"		-		-		-		-		-		-		-		-		-		-	
1"		-		-		-		-		-		-		-		-		-		-	
1 1/2"		-		-		-		-		-		-		-		-		-		-	
2"		-		-		-		-		-		-		-		-		-		-	
3"		-		-		-		-		-		-		-		-		-		-	
4"		-		-		-		-		-		-		-		-		-		-	
6"		-		-		-		-		-		-		-		-		-		-	
8"		-		-		-		-		-		-		-		-		-		-	
10"		-		-		-		-		-		-		-		-		-		-	
Total		\$	74,437	\$	82,123	\$	90,336	\$	99,369	\$	108,623	\$	116,165	\$	123,135	\$	130,523	\$	138,355	\$	146,656

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Input Area -- Rate Calculator</b>												
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inve												
W14	Military Hwy WSC	Contract Base Charge (not based on meter size)	\$ 93,847	\$ 103,798	\$ 114,441	\$ 126,213	\$ 138,298	\$ 148,006	\$ 156,886	\$ 166,299	\$ 176,277	\$ 186,854
	5/8"	-	-	-	-	-	-	-	-	-	-	-
	1"	-	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-	-
	10"	-	-	-	-	-	-	-	-	-	-	-
	Total	93,847	103,798	114,441	126,213	138,298	148,006	156,886	166,299	176,277	186,854	
<b>Water Revenues by Class</b>												
W1	Residential Inside	\$ 4,252,568	\$ 5,969,645	\$ 7,025,393	\$ 8,329,569	\$ 9,737,085	\$ 10,707,241	\$ 11,488,114	\$ 12,326,093	\$ 13,225,367	\$ 14,190,431	
W2	Residential Outside	1,015,830	1,450,834	1,703,709	2,014,919	2,350,352	2,582,625	2,770,415	2,971,899	3,188,077	3,420,026	
W3	Commercial & Industrial Inside	1,599,214	1,892,040	2,222,003	2,626,707	3,039,509	3,325,313	3,562,392	3,816,426	4,088,630	4,380,307	
W4	Commercial & Industrial Outside	127,995	149,036	172,158	199,891	228,570	249,243	266,835	285,672	305,842	327,441	
W5	Multi Housing Apts/Condos Inside	830,616	960,704	1,105,675	1,279,138	1,456,681	1,585,950	1,697,346	1,816,587	1,944,227	2,080,859	
W6	Multi Housing Apts/Condos Outside	51,491	61,516	72,776	86,632	100,999	110,804	118,771	127,312	136,470	146,288	
W7	Public Services/Institutional Inside	1,052,790	1,220,115	1,405,884	1,629,616	1,849,769	1,997,111	2,116,938	2,243,954	2,378,592	2,521,307	
W8	Public Services/Institutional Outside	6,178	7,644	9,282	11,338	13,373	14,583	15,458	16,386	17,369	18,411	
W9	Town of Combes Inside	Wholesale	180,003	200,647	223,216	248,667	274,985	295,084	312,789	331,557	351,450	372,537
W10	Town of Combes Outside	Wholesale	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059
W11	City of Primera	Wholesale	271,823	299,891	329,880	362,868	396,661	424,202	449,654	476,634	505,232	535,546
W12	City of Palm Valley	Wholesale	298,167	328,957	361,852	398,037	435,105	465,316	493,235	522,829	554,198	587,450
W13	East Rio Hondo	Wholesale	74,437	82,123	90,336	99,369	108,623	116,165	123,135	130,523	138,355	146,656
W14	Military Hwy WSC	Wholesale	93,847	103,798	114,441	126,213	138,298	148,006	156,886	166,299	176,277	186,854
	<b>Total Water Revenue</b>		<b>\$ 9,857,006</b>	<b>\$ 12,729,223</b>	<b>\$ 14,839,104</b>	<b>\$ 17,415,714</b>	<b>\$ 20,133,015</b>	<b>\$ 22,024,858</b>	<b>\$ 23,575,376</b>	<b>\$ 25,235,782</b>	<b>\$ 27,013,914</b>	<b>\$ 28,918,171</b>
<b>Less Revenues to be Raised from Rates:</b>												
W1	Residential Inside	\$ 5,675,480	\$ 6,130,885	\$ 6,691,326	\$ 7,147,117	\$ 8,046,635	\$ 9,113,218	\$ 9,588,183	\$ 10,220,942	\$ 10,805,922	\$ 11,503,047	
W2	Residential Outside	1,435,027	1,681,092	1,853,339	2,182,154	2,533,309	2,628,454	2,712,975	2,825,075	2,923,178	3,036,243	
W3	Commercial & Industrial Inside	1,785,104	1,932,374	2,107,902	2,250,358	2,531,231	2,864,427	3,013,234	3,211,827	3,395,607	3,614,426	
W4	Commercial & Industrial Outside	164,030	191,889	211,867	250,426	291,595	302,440	312,086	324,803	335,857	348,632	
W5	Multi Housing Apts/Condos Inside	932,066	1,011,357	1,103,133	1,178,242	1,325,301	1,498,631	1,576,166	1,679,699	1,775,499	1,888,535	
W6	Multi Housing Apts/Condos Outside	46,228	53,388	58,886	69,441	80,709	83,711	86,376	89,905	92,980	96,531	
W7	Public Services/Institutional Inside	1,570,318	1,676,651	1,814,506	1,917,886	2,138,436	2,405,979	2,513,292	2,660,542	2,793,391	2,952,987	
W8	Public Services/Institutional Outside	4,812	5,553	6,076	7,108	8,196	8,435	8,637	8,920	9,155	9,431	
W9	Town of Combes Inside	Wholesale	368,303	393,747	424,424	454,360	507,273	559,297	579,925	608,964	634,643	665,757
W10	Town of Combes Outside	Wholesale	Included in Combes Inside	-	-	-	-	-	-	-	-	-
W11	City of Primera	Wholesale	523,859	564,096	608,046	650,934	726,740	801,272	830,824	872,427	909,217	953,791
W12	City of Palm Valley	Wholesale	574,628	618,765	666,974	714,019	797,172	878,927	911,344	956,978	997,334	1,046,227
W13	East Rio Hondo	Wholesale	105,451	112,208	122,573	132,617	151,562	170,003	172,541	178,270	183,469	189,866
W14	Military Hwy WSC	Wholesale	131,028	139,425	152,305	164,785	188,326	211,241	214,395	221,513	227,973	235,922
	<b>Sub-Total</b>		<b>13,316,334</b>	<b>14,511,430</b>	<b>15,821,357</b>	<b>17,119,447</b>	<b>19,326,486</b>	<b>21,526,035</b>	<b>22,519,979</b>	<b>23,859,866</b>	<b>25,084,224</b>	<b>26,542,395</b>
<b>Rate Revenue Less RRRR prior to Debt Coverage:</b>												
W1	Residential Inside	(1,422,912)	(161,240)	334,067	1,182,452	1,690,450	1,594,023	1,899,931	2,105,151	2,419,445	2,687,385	
W2	Residential Outside	(419,197)	(230,258)	(149,630)	(167,235)	(182,956)	(45,829)	57,440	146,824	264,900	383,783	
W3	Commercial & Industrial Inside	(185,890)	(40,334)	114,101	376,349	508,278	460,885	549,158	604,599	693,023	765,881	
W4	Commercial & Industrial Outside	(36,035)	(42,853)	(39,709)	(50,535)	(63,025)	(53,197)	(45,251)	(39,131)	(30,015)	(21,191)	
W5	Multi Housing Apts/Condos Inside	(101,450)	(50,653)	2,542	100,896	131,379	87,319	121,180	136,888	168,728	191,324	
W6	Multi Housing Apts/Condos Outside	5,263	8,128	13,890	17,190	20,289	27,093	32,395	37,407	43,489	49,757	
W7	Public Services/Institutional Inside	(517,529)	(456,535)	(408,621)	(288,270)	(288,667)	(408,868)	(396,354)	(416,588)	(414,799)	(431,680)	
W8	Public Services/Institutional Outside	1,366	2,091	3,205	4,230	5,177	6,148	6,822	7,466	8,214	8,980	
W9	Town of Combes Inside	Wholesale	(188,300)	(193,101)	(201,209)	(205,693)	(232,288)	(264,213)	(267,136)	(277,407)	(283,194)	(293,220)
W10	Town of Combes Outside	Wholesale	2,048	2,273	2,500	2,750	3,006	3,215	3,408	3,612	3,829	4,059
W11	City of Primera	Wholesale	(252,037)	(264,205)	(278,165)	(288,065)	(330,080)	(377,070)	(381,170)	(395,793)	(403,985)	(418,245)
W12	City of Palm Valley	Wholesale	(276,461)	(289,809)	(305,122)	(315,981)	(362,068)	(413,612)	(418,109)	(434,149)	(443,135)	(458,777)
W13	East Rio Hondo	Wholesale	(31,014)	(30,084)	(32,238)	(33,248)	(42,939)	(53,838)	(49,406)	(47,747)	(45,114)	(43,211)
W14	Military Hwy WSC	Wholesale	(37,182)	(35,626)	(37,864)	(38,572)	(50,028)	(63,235)	(57,509)	(55,214)	(51,696)	(49,069)
	<b>Total</b>		<b>(3,459,328)</b>	<b>(1,782,207)</b>	<b>(982,253)</b>	<b>296,267</b>	<b>806,529</b>	<b>498,823</b>	<b>1,055,397</b>	<b>1,375,916</b>	<b>1,929,690</b>	<b>2,375,76</b>
<b>Projected Days of Fund Balance</b>												
			266	231	202	162	156	155	172	194	228	268

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Input Area -- Rate Calculator</b>												
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inv												
<b>WW Rate Revenues</b>												
<b>WW1 Residential Inside</b>												
WW1	Residential Inside	\$ 5,338,054	\$ 6,293,045	\$ 7,335,893	\$ 8,583,467	\$ 10,044,940	\$ 11,092,669	\$ 11,934,603	\$ 12,840,439	\$ 13,815,029	\$ 14,863,589	
WW2	Residential Outside	\$ 550,775	\$ 587,174	\$ 625,670	\$ 689,475	\$ 802,366	\$ 889,303	\$ 956,801	\$ 1,029,422	\$ 1,107,555	\$ 1,191,618	
WW3	Commercial & Industrial Inside	\$ 2,295,034	\$ 2,661,138	\$ 3,028,950	\$ 3,455,143	\$ 3,930,845	\$ 4,302,127	\$ 4,628,658	\$ 4,979,974	\$ 5,357,954	\$ 5,764,622	
WW4	Commercial & Industrial Outside	\$ 52,494	\$ 56,809	\$ 64,702	\$ 73,858	\$ 84,094	\$ 92,060	\$ 99,047	\$ 106,565	\$ 114,653	\$ 123,356	
WW5	Multi Housing Apts/Condos Inside	\$ 1,537,913	\$ 1,747,163	\$ 1,971,417	\$ 2,227,364	\$ 2,506,175	\$ 2,733,039	\$ 2,940,477	\$ 3,163,659	\$ 3,403,781	\$ 3,662,128	
WW6	Multi Housing Apts/Condos Outside	\$ 46,988	\$ 55,752	\$ 65,346	\$ 76,891	\$ 90,528	\$ 100,159	\$ 107,761	\$ 115,940	\$ 124,740	\$ 134,207	
WW7	Public Services/Institutional Inside	\$ 1,205,308	\$ 1,352,796	\$ 1,507,650	\$ 1,682,884	\$ 1,871,590	\$ 2,012,974	\$ 2,133,753	\$ 2,261,778	\$ 2,397,485	\$ 2,541,334	
WW8	Public Services/Institutional Outside	\$ 5,897	\$ 6,935	\$ 8,049	\$ 9,380	\$ 10,941	\$ 11,946	\$ 12,663	\$ 13,423	\$ 14,228	\$ 15,082	
WW9	Town of Combes	Wholesale	\$ 232,643	\$ 256,317	\$ 281,948	\$ 310,143	\$ 339,025	\$ 362,565	\$ 384,319	\$ 407,378	\$ 431,821	\$ 457,730
WW10	City of Primera	Wholesale	\$ 132,770	\$ 143,543	\$ 157,897	\$ 173,687	\$ 189,861	\$ 203,044	\$ 215,227	\$ 228,140	\$ 241,829	\$ 256,338
	Sub-Total		\$ 11,397,876	\$ 13,160,672	\$ 15,047,524	\$ 17,282,291	\$ 19,870,366	\$ 21,799,887	\$ 23,413,309	\$ 25,146,718	\$ 27,009,073	\$ 29,010,005
<b>WW2 Residential Outside</b>												
(Wtr Mtr Size)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5/8"		\$ 5,016,950	\$ 5,908,021	\$ 6,880,651	\$ 8,043,011	\$ 9,402,594	\$ 10,379,930	\$ 11,167,767	\$ 12,015,400	\$ 12,927,369	\$ 13,908,556	
1"		\$ 292,407	\$ 349,587	\$ 412,341	\$ 488,326	\$ 578,892	\$ 641,825	\$ 690,539	\$ 742,951	\$ 799,341	\$ 860,011	
1 1/2"		\$ 26,990	\$ 33,315	\$ 40,319	\$ 48,977	\$ 59,598	\$ 66,599	\$ 71,654	\$ 77,092	\$ 82,944	\$ 89,239	
2"		\$ 1,707	\$ 2,122	\$ 2,582	\$ 3,153	\$ 3,856	\$ 4,316	\$ 4,643	\$ 4,996	\$ 5,375	\$ 5,783	
3"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 5,338,054	\$ 6,293,045	\$ 7,335,893	\$ 8,583,467	\$ 10,044,940	\$ 11,092,669	\$ 11,934,603	\$ 12,840,439	\$ 13,815,029	\$ 14,863,589	
<b>WW3 Commercial &amp; Industrial Inside</b>												
(Wtr Mtr Size)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5/8"		\$ 1,271,260	\$ 1,461,987	\$ 1,650,794	\$ 1,866,564	\$ 2,102,112	\$ 2,293,080	\$ 2,467,124	\$ 2,654,379	\$ 2,855,847	\$ 3,072,605	
1"		\$ 477,217	\$ 551,730	\$ 626,215	\$ 712,121	\$ 807,300	\$ 882,539	\$ 949,523	\$ 1,021,592	\$ 1,099,131	\$ 1,182,555	
1 1/2"		\$ 242,654	\$ 285,161	\$ 328,751	\$ 380,205	\$ 439,302	\$ 483,184	\$ 519,857	\$ 559,314	\$ 601,766	\$ 647,440	
2"		\$ 237,370	\$ 280,340	\$ 324,700	\$ 377,372	\$ 438,400	\$ 483,018	\$ 519,679	\$ 559,122	\$ 601,560	\$ 647,218	
3"		\$ 39,869	\$ 48,194	\$ 57,015	\$ 67,726	\$ 80,541	\$ 89,384	\$ 96,168	\$ 103,467	\$ 111,321	\$ 119,770	
4"		\$ 14,668	\$ 18,330	\$ 22,317	\$ 27,267	\$ 33,370	\$ 37,354	\$ 40,189	\$ 43,239	\$ 46,521	\$ 50,052	
6"		\$ 4,877	\$ 6,223	\$ 7,708	\$ 9,569	\$ 11,896	\$ 13,377	\$ 14,392	\$ 15,485	\$ 16,660	\$ 17,925	
8"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10"		\$ 7,119	\$ 9,173	\$ 11,451	\$ 14,319	\$ 17,922	\$ 20,192	\$ 21,725	\$ 23,374	\$ 25,148	\$ 27,057	
Total		\$ 2,295,034	\$ 2,661,138	\$ 3,028,950	\$ 3,455,143	\$ 3,930,845	\$ 4,302,127	\$ 4,628,658	\$ 4,979,974	\$ 5,357,954	\$ 5,764,622	
<b>WW4 Commercial &amp; Industrial Outside</b>												
(Wtr Mtr Size)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5/8"		\$ 30,919	\$ 33,437	\$ 38,066	\$ 43,431	\$ 49,422	\$ 54,094	\$ 58,200	\$ 62,617	\$ 67,370	\$ 72,483	
1"		\$ 11,892	\$ 12,860	\$ 14,641	\$ 16,704	\$ 19,008	\$ 20,805	\$ 22,385	\$ 24,084	\$ 25,912	\$ 27,878	
1 1/2"		\$ 4,782	\$ 5,177	\$ 5,898	\$ 6,735	\$ 7,671	\$ 8,398	\$ 9,036	\$ 9,721	\$ 10,459	\$ 11,253	
2"		\$ 4,902	\$ 5,335	\$ 6,098	\$ 6,988	\$ 7,992	\$ 8,762	\$ 9,427	\$ 10,143	\$ 10,913	\$ 11,741	
3"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
6"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10"		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total		\$ 52,494	\$ 56,809	\$ 64,702	\$ 73,858	\$ 84,094	\$ 92,060	\$ 99,047	\$ 106,565	\$ 114,653	\$ 123,356	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<i>Input Area -- Rate Calculator</i>												
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inve</i>												
<b>WW5</b>	Multi Housing Apts/Condos Inside	(Wtr Mtr Size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5/8"	960,369	1,085,535	1,219,210	1,370,396	1,532,623	1,668,028	1,794,631	1,930,844	2,077,395	2,235,069	
	1"	242,529	275,010	309,776	349,326	392,176	427,363	459,800	494,699	532,246	572,644	
	1 1/2"	106,392	121,926	138,663	158,032	179,604	196,503	211,418	227,464	244,729	263,304	
	2"	207,797	238,971	272,626	311,764	355,698	389,652	419,227	451,046	485,281	522,114	
	3"	2,908	3,406	3,948	4,593	5,342	5,887	6,334	6,815	7,332	7,889	
	4"	-	-	-	-	-	-	-	-	-	-	
	6"	17,917	22,315	27,193	33,253	40,732	45,605	49,066	52,790	56,797	61,108	
	<b>Total</b>		1,537,913	1,747,163	1,971,417	2,227,364	2,506,175	2,733,039	2,940,477	3,163,659	3,403,781	3,662,128
<b>WW6</b>	Multi Housing Apts/Condos Outside	(Wtr Mtr Size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5/8"	30,670	36,345	42,553	50,016	58,817	65,050	69,988	75,300	81,015	87,164	
	1"	7,010	8,307	9,726	11,432	13,444	14,869	15,997	17,211	18,518	19,923	
	1 1/2"	2,666	3,165	3,710	4,366	5,142	5,690	6,122	6,586	7,086	7,624	
	2"	6,641	7,936	9,357	11,076	13,125	14,550	15,654	16,843	18,121	19,496	
	3"	-	-	-	-	-	-	-	-	-	-	
	4"	-	-	-	-	-	-	-	-	-	-	
	6"	-	-	-	-	-	-	-	-	-	-	
	8"	-	-	-	-	-	-	-	-	-	-	
	10"	-	-	-	-	-	-	-	-	-	-	
	<b>Total</b>		46,988	55,752	65,346	76,891	90,528	100,159	107,761	115,940	124,740	134,207
<b>WW7</b>	Public Services/Institutional Inside	(Wtr Mtr Size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5/8"	295,209	328,268	362,750	401,093	441,149	472,746	501,111	531,177	563,048	596,831	
	1"	232,119	258,754	286,587	317,693	350,477	375,955	398,512	422,423	447,768	474,635	
	1 1/2"	148,791	167,272	186,697	208,739	232,586	250,311	265,330	281,249	298,124	316,012	
	2"	492,753	555,538	621,645	697,000	779,153	839,415	889,780	943,167	999,757	1,050,743	
	3"	14,103	16,149	18,320	20,847	23,697	25,667	27,207	28,840	30,570	32,404	
	4"	9,256	10,931	12,731	14,888	17,429	19,052	20,195	21,406	22,691	24,052	
	6"	13,076	15,883	18,921	22,625	27,100	29,828	31,618	33,515	35,526	37,658	
	<b>Total</b>		1,205,308	1,352,796	1,507,650	1,682,884	1,871,590	2,012,974	2,133,753	2,261,778	2,397,485	2,541,334
<b>WW8</b>	Public Services/Institutional Outside	(Wtr Mtr Size)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	5/8"	1,620	1,898	2,195	2,549	2,963	3,231	3,425	3,631	3,848	4,079	
	1"	810	949	1,098	1,275	1,481	1,616	1,713	1,815	1,924	2,040	
	1 1/2"	822	965	1,118	1,300	1,512	1,650	1,749	1,854	1,966	2,083	
	2"	2,644	3,124	3,639	4,256	4,984	5,449	5,776	6,123	6,490	6,879	
	3"	-	-	-	-	-	-	-	-	-	-	
	4"	-	-	-	-	-	-	-	-	-	-	
	6"	-	-	-	-	-	-	-	-	-	-	
	<b>Total</b>		5,897	6,935	8,049	9,380	10,941	11,946	12,663	13,423	14,228	15,082
<b>WW9</b>	Town of Combes	(Wtr Mtr Size)	\$ 232,643	\$ 256,317	\$ 281,948	\$ 310,143	\$ 339,025	\$ 362,565	\$ 384,319	\$ 407,378	\$ 431,821	\$ 457,730
	5/8"	-	-	-	-	-	-	-	-	-	-	
	1"	-	-	-	-	-	-	-	-	-	-	
	1 1/2"	-	-	-	-	-	-	-	-	-	-	
	2"	-	-	-	-	-	-	-	-	-	-	
	3"	-	-	-	-	-	-	-	-	-	-	
	4"	-	-	-	-	-	-	-	-	-	-	
	6"	-	-	-	-	-	-	-	-	-	-	
	<b>Total</b>		232,643	256,317	281,948	310,143	339,025	362,565	384,319	407,378	431,821	457,730
<b>WW10</b>	City of Primera	(Wtr Mtr Size)	\$ 132,770	\$ 143,543	\$ 157,897	\$ 173,687	\$ 189,861	\$ 203,044	\$ 215,227	\$ 228,140	\$ 241,829	\$ 256,338
	5/8"	-	-	-	-	-	-	-	-	-	-	
	1"	-	-	-	-	-	-	-	-	-	-	
	1 1/2"	-	-	-	-	-	-	-	-	-	-	
	2"	-	-	-	-	-	-	-	-	-	-	
	3"	-	-	-	-	-	-	-	-	-	-	
	4"	-	-	-	-	-	-	-	-	-	-	
	6"	-	-	-	-	-	-	-	-	-	-	
	<b>Total Revenues</b>		\$ 11,397,876	\$ 13,160,672	\$ 15,047,524	\$ 17,282,291	\$ 19,870,366	\$ 21,799,887	\$ 23,413,309	\$ 25,146,718	\$ 27,009,073	\$ 29,010,005

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Input Area -- Rate Calculator</b>													
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inv													
Less Revenues to be Raised from Rates:													
WW1 Residential Inside	4,413,594	4,410,113	5,356,982	7,235,516	8,425,434	9,119,603	9,516,972	9,937,275	10,280,260	10,719,822			
WW2 Residential Outside	405,128	450,671	513,859	603,979	677,531	703,152	728,918	752,781	776,388	801,598			
WW3 Commercial & Industrial Inside	2,097,928	2,091,102	2,590,752	3,593,620	4,219,532	4,574,247	4,767,309	4,971,218	5,131,732	5,342,859			
WW4 Commercial & Industrial Outside	60,009	66,899	76,580	90,474	101,763	105,541	109,313	112,780	116,162	119,779			
WW5 Multi Housing Apts/Condos Inside	1,458,691	1,453,447	1,805,625	2,513,501	2,954,503	3,203,519	3,338,157	3,480,333	3,591,696	3,738,703			
WW6 Multi Housing Apts/Condos Outside	45,543	50,738	58,008	68,422	76,896	79,767	82,640	85,288	87,882	90,655			
WW7 Public Services/Institutional Inside	1,119,015	1,098,422	1,345,305	1,846,649	2,139,139	2,285,269	2,346,025	2,409,695	2,449,881	2,512,343			
WW8 Public Services/Institutional Outside	5,423	5,951	6,702	7,787	8,621	8,811	8,994	9,145	9,285	9,437			
WW9 Town of Combes Wholesale	226,160	220,247	264,925	280,025	335,709	347,505	358,617	370,329	378,896	391,746			
WW10 City of Primera Wholesale	206,659	215,166	265,189	274,890	337,516	348,398	359,655	371,560	379,913	393,127			
Sub-Total	10,038,150	10,062,756	12,283,928	16,514,863	19,276,645	20,775,813	21,616,600	22,500,402	23,202,096	24,120,069			
Rate Revenue Less RRRR:					x								
WW1 Residential Inside	924,460	1,882,932	1,978,911	1,347,951	1,619,506	1,973,066	2,417,631	2,903,164	3,534,768	4,143,768			
WW2 Residential Outside	145,647	136,502	111,811	85,496	124,835	186,150	227,882	276,641	331,167	390,021			
WW3 Commercial & Industrial Inside	197,106	570,036	438,198	(138,477)	(288,687)	(272,120)	(138,650)	8,756	226,221	421,763			
WW4 Commercial & Industrial Outside	(7,515)	(10,090)	(11,878)	(16,616)	(17,669)	(13,481)	(10,265)	(6,215)	(1,509)	3,577			
WW5 Multi Housing Apts/Condos Inside	79,222	293,715	165,792	(266,138)	(448,328)	(470,480)	(397,681)	(316,674)	(187,915)	(76,576)			
WW6 Multi Housing Apts/Condos Outside	1,445	5,015	7,338	8,468	13,633	20,392	25,120	30,652	36,857	43,552			
WW7 Public Services/Institutional Inside	86,293	254,373	162,345	(163,765)	(267,549)	(272,294)	(212,272)	(147,917)	(52,397)	28,991			
WW8 Public Services/Institutional Outside	474	984	1,347	1,593	2,320	3,135	3,669	4,278	4,943	5,645			
WW9 Town of Combes Wholesale	6,483	36,070	17,023	30,118	3,316	15,060	25,702	37,049	52,924	65,984			
WW10 City of Primera Wholesale	(73,889)	(71,623)	(107,292)	(101,203)	(147,655)	(145,354)	(144,428)	(143,419)	(138,084)	(136,788)			
<b>Net Revenues</b>	<b>1,359,725</b>	<b>3,097,915</b>	<b>2,763,596</b>	<b>767,428</b>	<b>593,721</b>	<b>1,024,073</b>	<b>1,796,708</b>	<b>2,646,316</b>	<b>3,806,977</b>	<b>4,889,936</b>			
Revenues													
Water Rate Revenues	\$ 9,857,006	\$ 12,729,223	\$ 14,839,104	\$ 17,415,714	\$ 20,133,015	\$ 22,024,858	\$ 23,575,376	\$ 25,235,782	\$ 27,013,914	\$ 28,918,171			
WW Rate Revenues	11,397,876	13,160,672	15,047,524	17,282,291	19,870,366	21,799,887	23,413,309	25,146,718	27,009,073	29,010,005			
Non-Rate Revenues	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724	2,562,724			
	23,817,606	28,452,618	32,449,352	37,260,729	42,566,105	46,387,469	49,551,408	52,945,224	56,585,711	60,490,900			
<b>WATER -- Customer and Usage Data</b>													
Net Annual Volume after Minimum:													
Residential Inside (Uniform Volume)	3,000	40.0%	666,889,362	671,891,032	676,930,215	682,007,191	687,122,245	692,275,662	697,467,729	702,698,737	707,968,978	713,278,745	
	10,000	45.0%	750,250,532	755,877,411	761,546,491	767,258,090	773,012,526	778,810,120	784,651,196	790,536,080	796,465,100	802,438,588	
	10,001	20,000	10.0%	166,722,340	167,972,758	169,232,554	170,501,798	171,780,561	173,068,915	174,366,932	175,674,684	176,992,244	178,319,886
	20,001	Above	5.0%	83,361,170	83,986,379	84,616,277	85,250,899	85,890,281	86,534,458	87,183,466	88,496,122	89,159,843	
			0.0%										
			100.0%	1,667,223,404	1,679,727,580	1,692,325,536	1,705,017,978	1,717,805,613	1,730,689,155	1,743,669,323	1,756,746,843	1,769,922,445	1,783,196,863
Residential Outside (Uniform Volume)	3,000	35.0%	95,568,031	96,284,791	97,006,927	97,734,479	98,467,488	99,205,994	99,950,039	100,699,664	101,454,912	102,215,824	
	10,000	45.0%	122,873,183	123,794,732	124,723,192	125,658,616	126,601,056	127,550,564	128,507,193	129,470,997	130,442,029	131,420,345	
	10,001	20,000	15.0%	40,957,728	41,264,911	41,574,397	41,886,205	42,200,352	42,516,855	42,835,731	43,156,999	43,480,676	43,806,782
	20,001	Above	5.0%	13,652,576	13,754,970	13,858,132	13,962,068	14,066,784	14,172,285	14,278,577	14,385,666	14,493,559	14,602,261
			0.0%										
			100.0%	273,051,518	275,099,404	277,162,650	279,241,370	281,335,680	283,445,697	285,571,540	287,713,327	289,871,177	292,045,210
Commercial & Industrial Inside	- Volume Charge	100.0%	671,398,901	676,434,393	681,507,651	686,618,958	691,768,601	696,956,865	702,184,042	707,450,422	712,756,300	718,101,972	
	Fuel Cost Adjustment	100.0%	671,398,901	676,434,393	681,507,651	686,618,958	691,768,601	696,956,865	702,184,042	707,450,422	712,756,300	718,101,972	
	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	0.0%	-	-	-	-	-	-	-	-	-	
	-	-	0.0%	-	-	-	-	-	-	-	-	-	
	-	-	200.0%	671,398,901	676,434,393	681,507,651	686,618,958	691,768,601	696,956,865	702,184,042	707,450,422	712,756,300	718,101,972
Commercial & Industrial Outside (Uniform Volume)	Volume Charge	100.0%	38,757,694	39,048,377	39,341,240	39,636,299	39,933,571	40,233,073	40,534,821	40,838,832	41,145,124	41,453,712	
	Fuel Cost Adjustment	100.0%	38,757,694	39,048,377	39,341,240	39,636,299	39,933,571	40,233,073	40,534,821	40,838,832	41,145,124	41,453,712	
	-	-	0.0%	-	-	-	-	-	-	-	-	-	
	-	-	0.0%	-	-	-	-	-	-	-	-	-	
	-	-	200.0%	38,757,694	39,048,377	39,341,240	39,636,299	39,933,571	40,233,073	40,534,821	40,838,832	41,145,124	41,453,712

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Input Area -- Rate Calculator</b>													
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inve													
Multi Housing Apts/Condos Inside (Uniform Volume)	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 393,658,947	393,658,947 396,611,389 399,585,975 402,582,869 405,602,241 408,644,258 411,709,090 414,796,908 417,907,885 421,042,194	396,611,389 399,585,975 402,582,869 405,602,241 408,644,258 411,709,090 414,796,908 417,907,885 421,042,194	399,585,975 402,582,869 405,602,241 408,644,258 411,709,090 414,796,908 417,907,885 421,042,194	402,582,869 405,602,241 408,644,258 411,709,090 414,796,908 417,907,885 421,042,194	405,602,241 408,644,258 411,709,090 414,796,908 417,907,885 421,042,194	408,644,258 411,709,090 414,796,908 417,907,885 421,042,194	411,709,090 414,796,908 417,907,885 421,042,194	414,796,908 417,907,885 421,042,194	417,907,885 421,042,194	421,042,194	
Multi Housing Apts/Condos Outsid (Uniform Volume)	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 12,954,607	12,954,607 13,051,766 13,149,654 13,248,277 13,347,639 13,447,746 13,548,604 13,650,219 13,752,595 13,855,740	13,051,766 13,149,654 13,248,277 13,347,639 13,447,746 13,548,604 13,650,219 13,752,595 13,855,740 12,954,607	13,149,654 13,248,277 13,347,639 13,447,746 13,548,604 13,650,219 13,752,595 13,855,740 12,954,607	13,248,277 13,347,639 13,447,746 13,548,604 13,650,219 13,752,595 13,855,740 12,954,607	13,347,639 13,447,746 13,548,604 13,650,219 13,752,595 13,855,740 12,954,607	13,447,746 13,548,604 13,650,219 13,752,595 13,855,740 12,954,607	13,548,604 13,650,219 13,752,595 13,855,740 12,954,607	13,650,219 13,752,595 13,855,740 12,954,607	13,752,595 13,855,740 12,954,607	13,855,740	
Public Services/Institutional Inside	- Volume Charge Fuel Cost Adjustment - - - 200.0%	100.0% 100.0% 0.0% 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700 485,366,700 485,366,700 485,366,700	485,366,700	
Public Services/Institutional Outsic	- Volume Charge Fuel Cost Adjustment - Above - - 200.0%	100.0% 100.0% 0.0% 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500 1,157,500 1,157,500 1,157,500	1,157,500	
Town of Combes Inside	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600 107,147,600 107,147,600 107,147,600	107,147,600	
Town of Combes Outside	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000 774,000 774,000 774,000	774,000	
City of Primera	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000 153,507,000 153,507,000 153,507,000	153,507,000	
City of Palm Valley	- Volume Charge Fuel Cost Adjustment - Above - - 200.0%	100.0% 100.0% 0.0% 0.0% 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800 168,384,800 168,384,800 168,384,800	168,384,800	
East Rio Hondo	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940 42,036,940 42,036,940 42,036,940	42,036,940	
Military Hwy WSC	- Volume Charge Fuel Cost Adjustment - - - - 200.0%	100.0% 100.0% 0.0% 0.0% 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000 52,236,000 52,236,000 52,236,000	52,236,000	
Total Check		4,067,655,611 4,067,655,611	4,090,583,449 4,090,583,449	4,113,683,246 4,113,683,246	4,136,956,291 4,136,956,291	4,160,403,884 4,160,403,884	4,184,027,334 4,184,027,334	4,207,827,960 4,207,827,960	4,231,807,091 4,231,807,091	4,255,966,065 4,255,966,065	4,280,306,231 4,280,306,231		

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inve											
<b>Customer Class Units -- Total Bills - Water</b>											
<b>Residential Inside</b>	<b>Total</b>	<b>250,317</b>	<b>254,072</b>	<b>257,883</b>	<b>261,751</b>	<b>265,678</b>	<b>269,663</b>	<b>273,708</b>	<b>277,813</b>	<b>281,980</b>	<b>286,210</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%
1"		4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%
1 1/2"		0.29%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%
2"		0.020%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>Residential Outside</b>	<b>Total</b>	<b>38,486</b>	<b>39,063</b>	<b>39,649</b>	<b>40,244</b>	<b>40,848</b>	<b>41,460</b>	<b>42,082</b>	<b>42,713</b>	<b>43,354</b>	<b>44,004</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		94.86%	94.86%	94.86%	94.86%	94.86%	94.86%	94.86%	94.86%	94.86%	94.86%
1"		4.82%	4.82%	4.82%	4.82%	4.82%	4.82%	4.82%	4.82%	4.82%	4.82%
1 1/2"		0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%	0.29%
2"		0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>Commercial &amp; Industrial Inside</b>	<b>Total</b>	<b>28,901</b>	<b>29,335</b>	<b>29,775</b>	<b>30,221</b>	<b>30,675</b>	<b>31,135</b>	<b>31,602</b>	<b>32,076</b>	<b>32,557</b>	<b>33,045</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		58.81%	58.81%	58.81%	58.81%	58.81%	58.81%	58.81%	58.81%	58.81%	58.81%
1"		21.25%	21.25%	21.25%	21.25%	21.25%	21.25%	21.25%	21.25%	21.25%	21.25%
1 1/2"		9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%
2"		8.91%	8.91%	8.91%	8.91%	8.91%	8.91%	8.91%	8.91%	8.91%	8.91%
3"		1.18%	1.18%	1.18%	1.18%	1.18%	1.18%	1.18%	1.18%	1.18%	1.18%
4"		0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%	0.25%
6"		0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>Commercial &amp; Industrial Outside</b>	<b>Total</b>	<b>1,270</b>	<b>1,289</b>	<b>1,308</b>	<b>1,328</b>	<b>1,348</b>	<b>1,368</b>	<b>1,388</b>	<b>1,409</b>	<b>1,430</b>	<b>1,452</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		59.62%	59.62%	59.62%	59.62%	59.62%	59.62%	59.62%	59.62%	59.62%	59.62%
1"		21.15%	21.15%	21.15%	21.15%	21.15%	21.15%	21.15%	21.15%	21.15%	21.15%
1 1/2"		9.62%	9.62%	9.62%	9.62%	9.62%	9.62%	9.62%	9.62%	9.62%	9.62%
2"		8.65%	8.65%	8.65%	8.65%	8.65%	8.65%	8.65%	8.65%	8.65%	8.65%
3"		0.96%	0.96%	0.96%	0.96%	0.96%	0.96%	0.96%	0.96%	0.96%	0.96%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
<b>Multi Housing Apts/Condos Inside</b>	<b>Total</b>	<b>9,023</b>	<b>9,159</b>	<b>9,296</b>	<b>9,435</b>	<b>9,577</b>	<b>9,721</b>	<b>9,866</b>	<b>10,014</b>	<b>10,165</b>	<b>10,317</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		64.55%	64.55%	64.55%	64.55%	64.55%	64.55%	64.55%	64.55%	64.55%	64.55%
1"		15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%
1 1/2"		6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%
2"		12.45%	12.45%	12.45%	12.45%	12.45%	12.45%	12.45%	12.45%	12.45%	12.45%
3"		0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%	0.14%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inv											
Multi Housing Apts/Condos Outsid Total		830	843	855	868	881	894	908	921	935	949
Contract Base Charge (not based on meter size)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		64.71%	64.71%	64.71%	64.71%	64.71%	64.71%	64.71%	64.71%	64.71%	64.71%
1"		16.18%	16.18%	16.18%	16.18%	16.18%	16.18%	16.18%	16.18%	16.18%	16.18%
1 1/2"		5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%	5.88%
2"		13.24%	13.24%	13.24%	13.24%	13.24%	13.24%	13.24%	13.24%	13.24%	13.24%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Public Services/Institutional Inside Total		7,620	7,620	7,620	7,620	7,620	7,620	7,620	7,620	7,620	7,620
Contract Base Charge (not based on meter size)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		25.51%	25.51%	25.51%	25.51%	25.51%	25.51%	25.51%	25.51%	25.51%	25.51%
1"		20.16%	20.16%	20.16%	20.16%	20.16%	20.16%	20.16%	20.16%	20.16%	20.16%
1 1/2"		12.28%	12.28%	12.28%	12.28%	12.28%	12.28%	12.28%	12.28%	12.28%	12.28%
2"		39.84%	39.84%	39.84%	39.84%	39.84%	39.84%	39.84%	39.84%	39.84%	39.84%
3"		0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%
4"		0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
6"		0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%	0.63%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Public Services/Institutional Outsic Total		96	96	96	96	96	96	96	96	96	96
Contract Base Charge (not based on meter size)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
1"		25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%
1 1/2"		12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%	12.50%
2"		37.50%	37.50%	37.50%	37.50%	37.50%	37.50%	37.50%	37.50%	37.50%	37.50%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Town of Combes Inside	Total	12	12	12	12	12	12	12	12	12	12
Contract Base Charge (not based on meter size)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
5/8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Town of Combes Outside	Total	12	12	12	12	12	12	12	12	12	12
Contract Base Charge (not based on meter size)		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
5/8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<i>Input Area -- Rate Calculator</i>													
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inv													
City of Primera	Total		12	12	12	12	12	12	12	12	12		
		Contract Base Charge (not based on meter size)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
	5/8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
City of Palm Valley	Total		12	12	12	12	12	12	12	12	12		
		Contract Base Charge (not based on meter size)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
	5/8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
East Rio Hondo	Total		12	12	12	12	12	12	12	12	12		
		Contract Base Charge (not based on meter size)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
	5/8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
Military Hwy WSC	Total		12	12	12	12	12	12	12	12	12		
		Contract Base Charge (not based on meter size)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
	5/8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	1 1/2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	2"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		
Total System		336,616	341,548	346,554	351,636	356,794	362,029	367,342	372,736	378,210	383,766		
<i>Customer Class Units -- LUE's - Water</i>													
Residential Inside	Total		LUEs										
		Contract Base Charge (not based on r	1.0	271,697	275,772	279,909	284,108	288,369	292,695	297,085	301,541	306,065	310,656
	5/8"		1.0	-	-	-	-	-	-	-	-	-	
	1"		2.5	237,485	241,047	244,662	248,332	252,057	255,838	259,676	263,571	267,525	271,537
	1 1/2"		5.0	30,098	30,549	31,007	31,472	31,945	32,424	32,910	33,404	33,905	34,413
	2"		8.0	391	397	403	409	415	421	427	434	440	447
	3"		16.0	-	-	-	-	-	-	-	-	-	
	4"		25.0	-	-	-	-	-	-	-	-	-	
	6"		50.0	-	-	-	-	-	-	-	-	-	
	8"		80.0	-	-	-	-	-	-	-	-	-	
	10"		115.0	-	-	-	-	-	-	-	-	-	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>												
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inv</i>												
Residential Outside	Total		41,795	42,422	43,058	43,704	44,360	45,025	45,700	46,386	47,082	47,788
	Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	
5/8"		1.0	36,508	37,056	37,611	38,176	38,748	39,329	39,919	40,518	41,126	41,743
1"		2.5	4,640	4,709	4,780	4,852	4,925	4,998	5,073	5,149	5,227	5,305
1 1/2"		5.0	549	558	566	575	583	592	601	610	619	628
2"		8.0	98	99	101	102	104	105	107	108	110	112
3"		16.0	-	-	-	-	-	-	-	-	-	
4"		25.0	-	-	-	-	-	-	-	-	-	
6"		50.0	-	-	-	-	-	-	-	-	-	
8"		80.0	-	-	-	-	-	-	-	-	-	
10"		115.0	-	-	-	-	-	-	-	-	-	
Commercial & Industrial Inside	Total		76,013	77,154	78,311	79,486	80,678	81,888	83,116	84,363	85,628	86,913
	Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	
5/8"		1.0	16,996	17,251	17,510	17,773	18,039	18,310	18,585	18,863	19,146	19,433
1"		2.5	15,354	15,584	15,818	16,055	16,296	16,541	16,789	17,041	17,296	17,556
1 1/2"		5.0	13,736	13,942	14,151	14,364	14,579	14,798	15,020	15,245	15,474	15,706
2"		8.0	20,610	20,920	21,233	21,552	21,875	22,203	22,536	22,874	23,218	23,566
3"		16.0	5,470	5,552	5,635	5,720	5,806	5,893	5,981	6,071	6,162	6,254
4"		25.0	1,832	1,859	1,887	1,915	1,944	1,973	2,003	2,033	2,063	2,094
6"		50.0	611	620	629	638	648	658	668	678	688	698
8"		80.0	-	-	-	-	-	-	-	-	-	
10"		115.0	1,404	1,425	1,447	1,468	1,490	1,513	1,535	1,558	1,582	1,605
Commercial & Industrial Outside	Total		3,114	3,160	3,208	3,256	3,305	3,354	3,404	3,456	3,507	3,560
	Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	
5/8"		1.0	757	768	780	792	803	816	828	840	853	866
1"		2.5	672	682	692	702	713	723	734	745	756	768
1 1/2"		5.0	611	620	629	638	648	658	668	678	688	698
2"		8.0	879	892	906	919	933	947	961	976	990	1,005
3"		16.0	195	198	201	204	207	210	214	217	220	223
4"		25.0	-	-	-	-	-	-	-	-	-	
6"		50.0	-	-	-	-	-	-	-	-	-	
8"		80.0	-	-	-	-	-	-	-	-	-	
10"		115.0	-	-	-	-	-	-	-	-	-	
Multi Housing Apts/Condos Inside	Total		23,370	23,720	24,076	24,437	24,804	25,176	25,554	25,937	26,326	26,721
	Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	
5/8"		1.0	5,824	5,912	6,000	6,090	6,182	6,274	6,368	6,464	6,561	6,659
1"		2.5	3,602	3,656	3,711	3,766	3,823	3,880	3,939	3,998	4,058	4,118
1 1/2"		5.0	2,930	2,974	3,019	3,064	3,110	3,157	3,204	3,252	3,301	3,351
2"		8.0	8,987	9,121	9,258	9,397	9,538	9,681	9,826	9,974	10,123	10,275
3"		16.0	195	198	201	204	207	210	214	217	220	223
4"		25.0	-	-	-	-	-	-	-	-	-	
6"		50.0	1,832	1,859	1,887	1,915	1,944	1,973	2,003	2,033	2,063	2,094
8"		80.0	-	-	-	-	-	-	-	-	-	
10"		115.0	-	-	-	-	-	-	-	-	-	
Multi Housing Apts/Condos Outsid Total			1,996	2,026	2,057	2,088	2,119	2,151	2,183	2,216	2,249	2,283
	Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	
5/8"		1.0	537	545	553	562	570	579	587	596	605	614
1"		2.5	336	341	346	351	356	362	367	373	378	384
1 1/2"		5.0	244	248	252	255	259	263	267	271	275	279
2"		8.0	879	892	906	919	933	947	961	976	990	1,005
3"		16.0	-	-	-	-	-	-	-	-	-	
4"		25.0	-	-	-	-	-	-	-	-	-	
6"		50.0	-	-	-	-	-	-	-	-	-	
8"		80.0	-	-	-	-	-	-	-	-	-	
10"		115.0	-	-	-	-	-	-	-	-	-	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inv											
Public Services/Institutional Inside Total		39,504	39,504	39,504	39,504	39,504	39,504	39,504	39,504	39,504	39,504
Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	-
5/8"	1.0	1,944	1,944	1,944	1,944	1,944	1,944	1,944	1,944	1,944	1,944
1"	2.5	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840	3,840
1 1/2"	5.0	4,680	4,680	4,680	4,680	4,680	4,680	4,680	4,680	4,680	4,680
2"	8.0	24,288	24,288	24,288	24,288	24,288	24,288	24,288	24,288	24,288	24,288
3"	16.0	1,152	1,152	1,152	1,152	1,152	1,152	1,152	1,152	1,152	1,152
4"	25.0	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
6"	50.0	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
8"	80.0	-	-	-	-	-	-	-	-	-	-
10"	115.0	-	-	-	-	-	-	-	-	-	-
Public Services/Institutional Outsize Total		432	432	432	432	432	432	432	432	432	432
Contract Base Charge (not based on r)	1.0	-	-	-	-	-	-	-	-	-	-
5/8"	1.0	24	24	24	24	24	24	24	24	24	24
1"	2.5	60	60	60	60	60	60	60	60	60	60
1 1/2"	5.0	60	60	60	60	60	60	60	60	60	60
2"	8.0	288	288	288	288	288	288	288	288	288	288
3"	16.0	-	-	-	-	-	-	-	-	-	-
4"	25.0	-	-	-	-	-	-	-	-	-	-
6"	50.0	-	-	-	-	-	-	-	-	-	-
8"	80.0	-	-	-	-	-	-	-	-	-	-
10"	115.0	-	-	-	-	-	-	-	-	-	-
Town of Combes Inside	Total	12	12	12	12	12	12	12	12	12	12
Contract Base Charge (not based on r)	1.0	12	12	12	12	12	12	12	12	12	12
5/8"	1.0	-	-	-	-	-	-	-	-	-	-
1"	2.5	-	-	-	-	-	-	-	-	-	-
1 1/2"	5.0	-	-	-	-	-	-	-	-	-	-
2"	8.0	-	-	-	-	-	-	-	-	-	-
3"	16.0	-	-	-	-	-	-	-	-	-	-
4"	25.0	-	-	-	-	-	-	-	-	-	-
6"	50.0	-	-	-	-	-	-	-	-	-	-
8"	80.0	-	-	-	-	-	-	-	-	-	-
10"	115.0	-	-	-	-	-	-	-	-	-	-
Town of Combes Outside	Total	12	12	12	12	12	12	12	12	12	12
Contract Base Charge (not based on r)	1.0	12	12	12	12	12	12	12	12	12	12
5/8"	1.0	-	-	-	-	-	-	-	-	-	-
1"	2.5	-	-	-	-	-	-	-	-	-	-
1 1/2"	5.0	-	-	-	-	-	-	-	-	-	-
2"	8.0	-	-	-	-	-	-	-	-	-	-
3"	16.0	-	-	-	-	-	-	-	-	-	-
4"	25.0	-	-	-	-	-	-	-	-	-	-
6"	50.0	-	-	-	-	-	-	-	-	-	-
8"	80.0	-	-	-	-	-	-	-	-	-	-
10"	115.0	-	-	-	-	-	-	-	-	-	-
City of Primera	Total	12	12	12	12	12	12	12	12	12	12
Contract Base Charge (not based on r)	1.0	12	12	12	12	12	12	12	12	12	12
5/8"	1.0	-	-	-	-	-	-	-	-	-	-
1"	2.5	-	-	-	-	-	-	-	-	-	-
1 1/2"	5.0	-	-	-	-	-	-	-	-	-	-
2"	8.0	-	-	-	-	-	-	-	-	-	-
3"	16.0	-	-	-	-	-	-	-	-	-	-
4"	25.0	-	-	-	-	-	-	-	-	-	-
6"	50.0	-	-	-	-	-	-	-	-	-	-
8"	80.0	-	-	-	-	-	-	-	-	-	-
10"	115.0	-	-	-	-	-	-	-	-	-	-

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL												
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>												
<i>Scenario:</i> 2024 02 27 -- Scen IIB -- On Time -- Inv												
City of Palm Valley	Total		12	12	12	12	12	12	12	12	12	12
	Contract Base Charge (not based on r)	1.0	12	12	12	12	12	12	12	12	12	12
5/8"		1.0	-	-	-	-	-	-	-	-	-	-
1"		2.5	-	-	-	-	-	-	-	-	-	-
1 1/2"		5.0	-	-	-	-	-	-	-	-	-	-
2"		8.0	-	-	-	-	-	-	-	-	-	-
3"		16.0	-	-	-	-	-	-	-	-	-	-
4"		25.0	-	-	-	-	-	-	-	-	-	-
6"		50.0	-	-	-	-	-	-	-	-	-	-
8"		80.0	-	-	-	-	-	-	-	-	-	-
10"		115.0	-	-	-	-	-	-	-	-	-	-
East Rio Hondo	Total		12	12	12	12	12	12	12	12	12	12
	Contract Base Charge (not based on r)	1.0	12	12	12	12	12	12	12	12	12	12
5/8"		1.0	-	-	-	-	-	-	-	-	-	-
1"		2.5	-	-	-	-	-	-	-	-	-	-
1 1/2"		5.0	-	-	-	-	-	-	-	-	-	-
2"		8.0	-	-	-	-	-	-	-	-	-	-
3"		16.0	-	-	-	-	-	-	-	-	-	-
4"		25.0	-	-	-	-	-	-	-	-	-	-
6"		50.0	-	-	-	-	-	-	-	-	-	-
8"		80.0	-	-	-	-	-	-	-	-	-	-
10"		115.0	-	-	-	-	-	-	-	-	-	-
Military Hwy WSC	Total		12	12	12	12	12	12	12	12	12	12
	Contract Base Charge (not based on r)	1.0	12	12	12	12	12	12	12	12	12	12
5/8"		1.0	-	-	-	-	-	-	-	-	-	-
1"		2.5	-	-	-	-	-	-	-	-	-	-
1 1/2"		5.0	-	-	-	-	-	-	-	-	-	-
2"		8.0	-	-	-	-	-	-	-	-	-	-
3"		16.0	-	-	-	-	-	-	-	-	-	-
4"		25.0	-	-	-	-	-	-	-	-	-	-
6"		50.0	-	-	-	-	-	-	-	-	-	-
8"		80.0	-	-	-	-	-	-	-	-	-	-
10"		115.0	-	-	-	-	-	-	-	-	-	-
Total System		457,993	464,263	470,627	477,086	483,642	490,296	497,051	503,906	510,865	517,928	
<b>WASTEWATER -- Customer &amp; Usage Data</b>												
<b>Customer Class Units -- Base Annual Usage</b>												
WW1 Residential Inside		968,260,478	982,784,385	997,526,151	1,012,489,043	1,027,676,378	1,043,091,524	1,058,737,897	1,074,618,965	1,090,738,250	1,107,099,324	
WW2 Residential Outside		65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
WW3 Commercial & Industrial Inside		518,722,416	526,503,262	534,400,801	542,416,813	550,553,065	558,811,361	567,193,531	575,701,434	584,336,956	593,102,010	
WW4 Commercial & Industrial Outside		11,011,792	11,176,969	11,344,623	11,514,793	11,687,515	11,862,827	12,040,770	12,221,381	12,404,702	12,590,773	
WW5 Multi Housing Apts/Condos Inside		366,296,439	371,790,885	377,367,749	383,028,265	388,773,689	394,605,294	400,524,374	406,532,239	412,630,223	418,819,676	
WW6 Multi Housing Apts/Condos Outside		8,048,222	8,168,945	8,291,479	8,415,851	8,542,089	8,670,220	8,800,274	8,932,278	9,066,262	9,202,256	
WW7 Public Services/Institutional Inside		282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	
WW8 Public Services/Institutional Outside		953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	
WW9 Town of Combes		77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	
WW10 City of Primera		88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	
Total Wastewater and Reclaimed Water		2,386,783,563	2,415,852,968	2,445,358,415	2,475,306,443	2,505,703,691	2,536,556,899	2,567,872,904	2,599,658,650	2,631,921,182	2,664,667,651	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL													
		Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<b>Input Area -- Rate Calculator</b>													
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inv													
Net Annual Volume after Minimum:													
Residential Inside	Volume Charge	100%	968,260,478	982,784,385	997,526,151	1,012,489,043	1,027,676,378	1,043,091,524	1,058,737,897	1,074,618,965	1,090,738,250	1,107,099,324	
		100%	968,260,478	982,784,385	997,526,151	1,012,489,043	1,027,676,378	1,043,091,524	1,058,737,897	1,074,618,965	1,090,738,250	1,107,099,324	
		200%	968,260,478	982,784,385	997,526,151	1,012,489,043	1,027,676,378	1,043,091,524	1,058,737,897	1,074,618,965	1,090,738,250	1,107,099,324	
Residential Outside	Volume Charge	100%	65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
		100%	65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
		200%	65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
Commercial & Industrial Inside	Volume Charge	100%	518,722,415.75	526,503,251.99	534,400,800.77	542,416,812.78	550,553,064.97	558,811,360.94	567,193,531.36	575,701,434.33	584,336,955.84	593,102,010.18	
		100%	65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
		200%	518,722,416	526,503,252	534,400,801	542,416,813	550,553,065	558,811,361	567,193,531	575,701,434	584,336,956	593,102,010	
Commercial & Industrial Outside	Volume Charge	100%	11,011,792.00	11,176,968.88	11,344,623.41	11,514,792.76	11,687,514.66	11,862,827.38	12,040,769.79	12,221,381.33	12,404,702.05	12,590,772.58	
		100%	65,621,017	66,605,332	67,604,412	68,618,478	69,647,756	70,692,472	71,752,859	72,829,152	73,921,589	75,030,413	
		200%	11,011,792	11,176,969	11,344,623	11,514,793	11,687,515	11,862,827	12,040,770	12,221,381	12,404,702	12,590,773	
Multi Housing Apts/Condos Inside	- Volume Charge	100%	366,296,439	371,790,885	377,367,749	383,028,265	388,773,689	394,605,294	400,524,374	406,532,239	412,630,223	418,819,676	
		100%	366,296,439	371,790,885	377,367,749	383,028,265	388,773,689	394,605,294	400,524,374	406,532,239	412,630,223	418,819,676	
		200%	366,296,439	371,790,885	377,367,749	383,028,265	388,773,689	394,605,294	400,524,374	406,532,239	412,630,223	418,819,676	
Multi Housing Apts/Condos Outside	- Volume Charge	100%	8,048,222	8,168,945	8,291,479	8,415,851	8,542,089	8,670,220	8,800,274	8,932,278	9,066,262	9,202,256	
		100%	8,048,222	8,168,945	8,291,479	8,415,851	8,542,089	8,670,220	8,800,274	8,932,278	9,066,262	9,202,256	
		200%	8,048,222	8,168,945	8,291,479	8,415,851	8,542,089	8,670,220	8,800,274	8,932,278	9,066,262	9,202,256	
Public Services/Institutional Inside	- Volume Charge	100%	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	
		100%	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	
		200%	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	282,061,200	
Public Services/Institutional Outside	- Volume Charge	100%	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	
		100%	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	
		200%	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	953,400	
Town of Combes	- 6,500,000	100%	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	
		100%	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	
		200%	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	77,315,600	
City of Primera	- Volume Charge	100%	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	
		100%	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	
		200%	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	88,493,000	
<b>Total Wastewater</b>			2,386,783,563	2,415,852,968	2,445,358,415	2,475,306,443	2,505,703,691	2,536,556,899	2,567,872,904	2,599,658,650	2,631,921,182	2,664,667,651	
<b>Customer Class Units -- Total Bills</b>													
Residential Inside	<b>Total</b>	215,201	218,429	221,706	225,031	228,407	231,833	235,310	238,840	242,423	246,059		
		Contract Base Charge (not based on meter size)											
		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		5/8"	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	94.87%	
		1"	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	4.81%	
		1 1/2"	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%	
		2"	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	
		3"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		10"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	
Residential Outside	<b>Total</b>	14,322	14,537	14,755	14,977	15,201	15,429	15,661	15,896	16,134	16,376		
		Contract Base Charge (not based on meter size)											
		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		5/8"	94.88%	94.88%	94.88%	94.88%	94.88%	94.88%	94.88%	94.88%	94.88%	94.88%	
		1"	4.77%	4.77%	4.77%	4.77%	4.77%	4.77%	4.77%	4.77%	4.77%	4.77%	
		1 1/2"	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	0.34%	
		2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		3"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
		10"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inv</i>											
Commercial & Industrial Inside	<b>Total</b>	<b>22,589</b>	<b>22,927</b>	<b>23,271</b>	<b>23,620</b>	<b>23,975</b>	<b>24,334</b>	<b>24,699</b>	<b>25,070</b>	<b>25,446</b>	<b>25,827</b>
	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		58.76%	58.76%	58.76%	58.76%	58.76%	58.76%	58.76%	58.76%	58.76%	58.76%
1"		21.24%	21.24%	21.24%	21.24%	21.24%	21.24%	21.24%	21.24%	21.24%	21.24%
1 1/2"		9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%	9.51%
2"		8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%	8.92%
3"		1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%	1.19%
4"		0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%
6"		0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%	0.05%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Commercial & Industrial Outside	<b>Total</b>	<b>269</b>	<b>273</b>	<b>277</b>	<b>281</b>	<b>285</b>	<b>289</b>	<b>294</b>	<b>298</b>	<b>303</b>	<b>307</b>
	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		59.09%	59.09%	59.09%	59.09%	59.09%	59.09%	59.09%	59.09%	59.09%	59.09%
1"		22.73%	22.73%	22.73%	22.73%	22.73%	22.73%	22.73%	22.73%	22.73%	22.73%
1 1/2"		9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%
2"		9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%	9.09%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Multi Housing Apts/Condos Inside	<b>Total</b>	<b>8,034</b>	<b>8,155</b>	<b>8,277</b>	<b>8,401</b>	<b>8,527</b>	<b>8,655</b>	<b>8,785</b>	<b>8,917</b>	<b>9,050</b>	<b>9,186</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		64.44%	64.44%	64.44%	64.44%	64.44%	64.44%	64.44%	64.44%	64.44%	64.44%
1"		15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%	15.06%
1 1/2"		6.53%	6.53%	6.53%	6.53%	6.53%	6.53%	6.53%	6.53%	6.53%	6.53%
2"		12.46%	12.46%	12.46%	12.46%	12.46%	12.46%	12.46%	12.46%	12.46%	12.46%
3"		0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%	0.15%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%	0.46%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Multi Housing Apts/Condos Outside	<b>Total</b>	<b>647</b>	<b>657</b>	<b>667</b>	<b>677</b>	<b>687</b>	<b>697</b>	<b>708</b>	<b>718</b>	<b>729</b>	<b>740</b>
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		66.04%	66.04%	66.04%	66.04%	66.04%	66.04%	66.04%	66.04%	66.04%	66.04%
1"		15.09%	15.09%	15.09%	15.09%	15.09%	15.09%	15.09%	15.09%	15.09%	15.09%
1 1/2"		5.66%	5.66%	5.66%	5.66%	5.66%	5.66%	5.66%	5.66%	5.66%	5.66%
2"		13.21%	13.21%	13.21%	13.21%	13.21%	13.21%	13.21%	13.21%	13.21%	13.21%
3"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
4"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Public Services/Institutional Inside	<b>Total</b>	<b>4,716</b>									
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5/8"		25.95%	25.95%	25.95%	25.95%	25.95%	25.95%	25.95%	25.95%	25.95%	25.95%
1"		20.10%	20.10%	20.10%	20.10%	20.10%	20.10%	20.10%	20.10%	20.10%	20.10%
1 1/2"		12.21%	12.21%	12.21%	12.21%	12.21%	12.21%	12.21%	12.21%	12.21%	12.21%
2"		39.69%	39.69%	39.69%	39.69%	39.69%	39.69%	39.69%	39.69%	39.69%	39.69%
3"		1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%	1.02%
4"		0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%
6"		0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%	0.51%
8"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
10"		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											
	Current	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<i>Input Area -- Rate Calculator</i>											
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inve</i>											
Public Services/Institutional Outside	<b>Total</b>	<b>84</b>									
	Contract Base Charge (not based on meter size)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	5/8"	28.57%	28.57%	28.57%	28.57%	28.57%	28.57%	28.57%	28.57%	28.57%	28.57%
	1"	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%
	1 1/2"	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%	14.29%
	2"	42.86%	42.86%	42.86%	42.86%	42.86%	42.86%	42.86%	42.86%	42.86%	42.86%
	3"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	10"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Town of Combes	<b>Total</b>	<b>12</b>									
	Contract Base Charge (not based on meter size)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	5/8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	1"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	1 1/2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	3"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	10"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
City of Primera	<b>Total</b>	<b>12</b>									
	Contract Base Charge (not based on meter size)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
	5/8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	1"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	1 1/2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	2"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	3"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	4"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	6"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	8"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	10"	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total Wastewater		<b>265,886</b>	<b>269,778</b>	<b>273,753</b>	<b>277,787</b>	<b>281,882</b>	<b>286,038</b>	<b>290,256</b>	<b>294,538</b>	<b>298,884</b>	<b>303,296</b>

Test Year 2024	Percent Grant Funded	Total CIP/ Project	HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL										Total CIP Total	Yrs 1-5	Yrs 6-10					
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033								
<b>Input Area -- UNFUNDED Capital Improvement Plan</b>																				
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</i>																				
<b>WATER RATE-FUNDED CIP -- Current Dollars</b>																				
<b>Water Treatment</b>																				
Rapid Mix & Flocculation Basin Replacement - MFR	0.0%	\$ 4,368,000	\$ 437,000	\$ -	1,310,333	1,310,333	1,310,333	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,368,000	\$ 4,368,000	\$ -					
Lagoon Access Improvements at Downtown WTP	0.0%	498,000	-	-	498,000	-	-	-	-	-	-	-	498,000	498,000	-					
High Service Pump Station Expansion at MFR WTP (13 MGD)	0.0%	669,000	-	-	-	-	-	133,800	133,800	133,800	133,800	133,800	669,000	-	669,000					
Generator Upgrade - MFR	0.0%	2,996,000	-	-	-	-	-	599,200	599,200	599,200	599,200	599,200	2,996,000	-	2,996,000					
Power Quality Correction & Safety (DT & MFR)	0.0%	540,000	-	-	-	-	-	108,000	108,000	108,000	108,000	108,000	540,000	-	540,000					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Sludge Lagoon Improvements at Downtown WTP	0.0%	1,801,000	-	-	180,100	1,620,900	-	-	-	-	-	-	1,801,000	1,801,000	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total Water Treatment		10,872,000	437,000	-	1,490,433	3,429,233	1,310,333	841,000	841,000	841,000	841,000	841,000	10,872,000	6,667,000	4,205,000					
<b>Water Treatment</b>																				
Future Project	0.0%	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total Water Treatment		-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<b>Water Distribution</b>																				
Actiflo Tube Settler Replacement	0.0%	\$ 50,000	50,000	595,000	-	-	-	-	-	-	-	-	50,000	50,000	-					
Miscellaneous Water Line Connections	0.0%	595,000	-	-	-	-	-	-	-	-	-	-	595,000	595,000	-					
AC Waterline Replacement - N 1st Street	0.0%	7,010,000	-	-	3,505,000	3,505,000	-	-	-	-	-	-	7,010,000	7,010,000	-					
Downtown Fire Flow Improvements – Phase 1	0.0%	500,000	-	500,000	-	-	-	-	-	-	-	-	500,000	500,000	-					
Morris Rd Water Line between S Ed Carey and Rangerville Rd ('	0.0%	3,482,000	-	-	-	1,741,000	1,741,000	-	-	-	-	-	3,482,000	3,482,000	-					
South Bass Blvd Water Line Upsizing (8")	0.0%	2,081,000	-	-	-	1,040,500	1,040,500	-	-	-	-	-	2,081,000	2,081,000	-					
Wilson Rd Water Line Upsizing (16")	0.0%	6,174,000	-	-	-	-	-	1,234,800	1,234,800	1,234,800	1,234,800	1,234,800	6,174,000	-	6,174,000					
Water Line Abandonment (20") and Slip-Line (12") California to I	0.0%	1,289,000	-	-	-	-	-	257,800	257,800	257,800	257,800	257,800	1,289,000	-	1,289,000					
North Bass Blvd Interconnect (12")	0.0%	1,703,000	-	-	-	-	-	340,600	340,600	340,600	340,600	340,600	1,703,000	-	1,703,000					
Annual AC Waterline Replacement – Intermediate Term	0.0%	14,100,000	-	-	-	-	-	2,820,000	2,820,000	2,820,000	2,820,000	2,820,000	14,100,000	-	14,100,000					
Downtown Fire Flow Improvements – Phase 1	0.0%	4,803,000	-	-	480,300	1,921,200	2,401,500	-	-	-	-	-	4,803,000	4,803,000	-					
Downtown Fire Flow Improvements – Phase 2	0.0%	5,303,000	-	-	-	-	-	1,060,600	1,060,600	1,060,600	1,060,600	1,060,600	5,303,000	-	5,303,000					
Future Project	0.0%	-	-	-	-	1,755,300	7,021,200	8,776,500	-	-	-	-	-	-	-					
Dixieland Transmission Loop - MFR WTP to S Calle Reina (24",	0.0%	17,553,000	-	-	-	-	-	-	-	-	-	-	17,553,000	17,553,000	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total Water Distribution		64,643,000	645,000	500,000	2,235,600	15,228,900	17,464,500	5,713,800	5,713,800	5,713,800	5,713,800	5,713,800	64,643,000	36,074,000	28,569,000					

Test Year 2024	Percent Grant Funded	Total CIP/ Project	HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL										Total CIP Total	Yrs 1-5	Yrs 6-10					
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033								
<b>Input Area -- UNFUNDED Capital Improvement Plan</b>																				
<b>Scenario:</b> 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base																				
<b>Water Administration</b>																				
Building Envelope Rehabilitation - Main Office	0.0%	2,944,000	\$ 2,944,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		2,944,000	2,944,000	-				
Lobby Security Remodeling - Main Office	0.0%	500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		500,000	500,000	-				
2nd Floor Remodeling - Main Office	0.0%	108,000	\$ 108,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		108,000	108,000	-				
Generator - Main Office	100.0%	462,000	\$ -	\$ -	\$ -	\$ -	\$ 462,000	\$ -	\$ -	\$ -	\$ -	\$ -		462,000	462,000	-				
Yard Improvements - Warehouse	0.0%	1,728,000	\$ -	\$ 1,728,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		1,728,000	1,728,000	-				
Fuel Storage System - Warehouse	0.0%	210,000	\$ -	\$ -	\$ 210,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		210,000	210,000	-				
Generator - Warehouse	0.0%	560,000	\$ -	\$ -	\$ -	\$ 560,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		560,000	560,000	-				
Total Water Administration		6,512,000	\$ 3,552,000	\$ 1,728,000	\$ -	\$ 672,000	\$ 560,000	\$ -	\$ -	\$ -	\$ -	\$ -		6,512,000	6,512,000	-				
<b>Water Customer</b>																				
Annual Meter Replacement	0.0%	1,020,000	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000	\$ -	\$ -	\$ -	\$ -		1,020,000	1,020,000	-				
Lead Service Line Field Survey	0.0%	2,272,000	\$ -	\$ 2,272,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		2,272,000	2,272,000	-				
Large Meter Installation Upgrade	0.0%	2,376,000	\$ 475,000	\$ 475,000	\$ 475,000	\$ 475,000	\$ 476,000	\$ -	\$ -	\$ -	\$ -	\$ -		2,376,000	2,376,000	-				
AMI Meter Replacement	0.0%	15,034,000	\$ -	\$ -	\$ 5,011,333	\$ 5,011,333	\$ 5,011,333	\$ -	\$ -	\$ -	\$ -	\$ -		15,034,000	15,034,000	-				
Annual Meter Replacement – Intermediate Term	0.0%	1,020,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000		1,020,000	-	1,020,000				
Annual Meter Replacement – Long Term (2034-2043)	0.0%	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		-	-	-				
Total Water - Customer		21,722,000	\$ 679,000	\$ 2,951,000	\$ 5,690,333	\$ 5,690,333	\$ 5,691,333	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000	\$ 204,000		21,722,000	20,702,000	1,020,000				
<b>Raw Water Supply</b>																				
Water Rights Purchase – Short Term	0.0%	1,375,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		1,375,000	1,375,000	-				
Local System Participation/Sponsorship – Short Term	0.0%	2,500,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ -		2,500,000	2,500,000	-				
Pier Replacement at MFR Reservoir Intake	0.0%	50,700	\$ 50,700	\$ 456,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		507,000	507,000	-				
Raw Water Line Upgrade Ph. 1 - Jefferson St. to DT WTP Reser	0.0%	7,434,000	\$ 743,400	\$ 6,690,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		7,434,000	7,434,000	-				
Water Rights Purchase – Intermediate Term	0.0%	1,375,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000		1,375,000	-	1,375,000				
Local System Participation/Sponsorship – Intermediate Term	0.0%	3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000		3,000,000	-	3,000,000				
Future Project	0.0%	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		-	-	-				
Future Project	0.0%	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		-	-	-				
Total		16,191,000	\$ 1,569,100	\$ 7,921,900	\$ 775,000	\$ 775,000	\$ 775,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000	\$ 875,000		16,191,000	11,816,000	4,375,000				
<b>Total Water CIP</b>		<b>119,940,000</b>																		
<b>Total Unfunded Water CIP</b>			<b>6,882,100</b>	<b>13,100,900</b>	<b>10,191,367</b>	<b>25,795,467</b>	<b>25,801,167</b>	<b>7,633,800</b>	<b>7,633,800</b>	<b>7,633,800</b>	<b>7,633,800</b>	<b>7,633,800</b>		<b>119,940,000</b>	<b>81,771,000</b>	<b>38,169,000</b>				
<b>Summary Dollars</b>																				
Treatment		\$ 10,872,000	\$ 437,000	\$ -	\$ 1,490,433	\$ 3,429,233	\$ 1,310,333	\$ 841,000	\$ 841,000	\$ 841,000	\$ 841,000	\$ 841,000		841,000	-	-				
Distribution		64,643,000	64,643,000	645,000	500,000	2,235,600	15,228,900	17,464,500	5,713,800	5,713,800	5,713,800	5,713,800	5,713,800		64,643,000	36,074,000	28,569,000			
Administration		6,512,000	3,552,000	1,728,000	-	672,000	560,000	-	-	-	-	-	-	6,512,000	6,512,000	-				
Customer		21,722,000	21,722,000	679,000	2,951,000	5,690,333	5,691,333	204,000	204,000	204,000	204,000	204,000	204,000		21,722,000	20,702,000	1,020,000			
Supply		16,191,000	1,569,100	7,921,900	775,000	775,000	875,000	875,000	875,000	875,000	875,000	875,000	875,000		16,191,000	11,816,000	4,375,000			
<b>Total</b>		<b>109,068,000</b>	<b>119,940,000</b>	<b>6,882,100</b>	<b>13,100,900</b>	<b>10,191,367</b>	<b>25,795,467</b>	<b>25,801,167</b>	<b>7,633,800</b>	<b>7,633,800</b>	<b>7,633,800</b>	<b>7,633,800</b>	<b>7,633,800</b>		<b>119,940,000</b>	<b>81,771,000</b>	<b>38,169,000</b>			
<b>Percent</b>																				
Treatment		9.1%	6.3%	0.0%	14.6%	13.3%	5.1%	11.0%	11.0%	11.0%	11.0%	11.0%	11.0%		0.0%	0.0%	0.0%			
Distribution		53.9%	9.4%	3.8%	21.9%	59.0%	67.7%	74.8%	74.8%	74.8%	74.8%	74.8%	74.8%		53.9%	44.1%	74.8%			
Administration		5.4%	51.6%	13.2%	0.0%	2.6%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		5.4%	8.0%	0.0%			
Customer		18.1%	9.9%	22.5%	55.8%	22.1%	22.1%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%		18.1%	25.3%	2.7%			
Supply		13.5%	22.8%	60.5%	7.6%	3.0%	3.0%	11.5%	11.5%	11.5%	11.5%	11.5%	11.5%		13.5%	14.5%	11.5%			
<b>Total</b>		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		90.9%	91.8%	89.0%			

Test Year 2024	Percent Grant Funded	Total CIP/ Project	HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL										Total CIP Total	Yrs 1-5	Yrs 6-10						
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033									
<b>Input Area -- UNFUNDED Capital Improvement Plan</b>																					
Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base																					
<b>WASTEWATER CIP -- Current Dollars</b>																					
<b>Wastewater Treatment</b>																					
Acquisition of Future WWTP Property	0.0%	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total WW Treatment		\$ 2,500,000																			
			2,500,000	-	-	-	-	-	-	-	-	-									
<b>Wastewater Collection</b>																					
Local Sewer Participation / Sponsorship - Short Term	0.0%	\$ 2,500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -					
Annual Manhole Rehabilitation - Short Term	0.0%	1,500,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	1,500,000	1,500,000							
Sewer Renewal & Replacement - Priority Sewer Renewal Pkg. 2	0.0%	3,900,000	3,900,000	-	-	-	-	-	-	-	-	-	3,900,000	3,900,000							
LS-8 & Outfall Gravity Main (2.16 MGD, 15")	0.0%	279,000	279,000	-	-	-	-	-	-	-	-	-	279,000	279,000							
LS-76 Upgrade & Parallel Force Main (9.36 MGD, 16")	0.0%	8,944,000	8,944,000	8,049,600	-	-	-	-	-	-	-	-	8,944,000	8,944,000							
LS-69 Upgrade (0.80 MGD)	0.0%	856,000	856,000	770,400	-	-	-	-	-	-	-	-	856,000	856,000							
LS-33 Replacement [originally wet well rehab only]	0.0%	450,000	450,000	-	-	-	-	-	-	-	-	-	450,000	450,000							
Sunrise Blvd. Sewer Extension (8")	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Lamb Avenue Trunk (24")	0.0%	7,758,000	-	-	-	-	-	-	-	-	-	-	7,758,000	7,758,000	7,758,000	7,758,000					
Dixieland LS & Force Main (1.5 MGD, 10")	0.0%	4,196,000	-	-	-	-	-	-	-	-	-	-	4,196,000	4,196,000							
Briana Circle Sewer from Dixieland LS (12")	0.0%	1,877,000	-	-	-	-	-	-	-	-	-	-	1,877,000	1,877,000							
Hand Rd Force Main Upsizing (16") [corrected length]	0.0%	1,528,000	-	-	-	-	-	-	-	-	-	-	1,528,000	1,528,000							
LS-55 Upgrade (4.45 MGD)	0.0%	1,865,000	-	-	-	-	-	-	-	-	-	-	1,865,000	1,865,000							
Osborn Trunk (24")	0.0%	10,419,000	-	-	-	-	-	-	-	-	-	-	10,419,000	10,419,000							
Sewer Renewal & Replacement - Priority Sewer Renewal Pkg. 3	0.0%	6,352,000	-	-	-	-	-	-	-	-	-	-	6,352,000	6,352,000							
Morgan Blvd Gravity Main Upsizing (18")	0.0%	545,000	-	-	-	-	-	-	-	-	-	-	545,000	545,000							
West Street Trunk Replacement (12", 18", 24", 30")	0.0%	4,214,000	-	-	-	-	-	-	-	-	-	-	4,214,000	4,214,000							
LS-18 Wet Well Rehabilitation	0.0%	120,000	-	-	-	-	-	-	-	-	-	-	120,000	120,000							
LS-22 Wet Well Rehabilitation & Partial FM Replacement	0.0%	943,000	-	-	-	-	-	-	-	-	-	-	943,000	943,000							
LS-32 Upgrade (1.15 MGD)	0.0%	898,000	-	-	-	-	-	-	-	-	-	-	898,000	898,000							
LS-38 Upgrade (1.72 MGD)	0.0%	1,061,000	-	-	-	-	-	-	-	-	-	-	1,061,000	1,061,000							
East Arroyo LS & Force Main (1.5 MGD, 10")	0.0%	3,146,000	-	-	-	-	-	-	-	-	-	-	3,146,000	3,146,000							
LS-73 Elimination Sewer (18")	0.0%	3,397,000	-	-	-	-	-	-	-	-	-	-	3,397,000	3,397,000							
Generators at LS-76, 75, 7	0.0%	1,750,000	-	-	-	-	-	-	-	-	-	-	1,750,000	-	1,750,000	1,750,000					
Local Sewer Participation / Sponsorship - Intermediate Term	0.0%	2,500,000	-	-	-	-	-	-	-	-	-	-	2,500,000	-	2,500,000	2,500,000					
Annual Manhole Rehabilitation - Intermediate Term	0.0%	1,500,000	-	-	-	-	-	-	-	-	-	-	1,500,000	-	1,500,000	1,500,000					
Sewer Renewal & Replacement - Intermediate Term	0.0%	4,500,000	-	-	-	-	-	-	-	-	-	-	4,500,000	-	4,500,000	4,500,000					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Industrial District Trunk (24")	0.0%	4,657,000	-	-	-	-	-	-	-	-	-	-	4,657,000	-	4,657,000	4,657,000					
LS-75 Upgrade	0.0%	727,000	-	-	-	-	-	-	-	-	-	-	727,000	-	727,000	727,000					
WAS Thickening Process (RDT)	0.0%	2,444,000	-	-	-	-	-	-	-	-	-	-	2,444,000	-	2,444,000	2,444,000					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Projects	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total WW Collection		84,826,000	7,937,000	9,620,000	13,332,167	19,893,367	15,965,467	4,140,600	4,140,600	3,265,600	3,265,600	3,265,600	84,826,000	66,748,000	18,078,000						

Test Year 2024	Percent Grant Funded	Total CIP/ Project	HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL										Total CIP Total	Yrs 1-5	Yrs 6-10					
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033								
<b>Input Area -- UNFUNDED Capital Improvement Plan</b>																				
<i>Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base</i>																				
<b>Wastewater Administration</b>																				
Future Project	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total WW Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<b>Wastewater Customer</b>																				
Future Project	0.0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total WW Customer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<b>Cumulative EDAP Projects</b>																				
WWTP Influent LS Upgrade (33 MGD)	-	\$ 27,801,000	\$ 2,780,100	\$ 25,020,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -					
Little Creek Interceptor Complete Replacement (30", 48")	0.0%	41,034,000	-	-	41,034,000	-	-	-	-	-	-	-	-	27,801,000	27,801,000					
LS-6 Outfall Sewer Extension (12")	0.0%	395,000	-	-	395,000	-	-	-	-	-	-	-	-	41,034,000	41,034,000					
LS-2 & LS-50 Elimination Sewers (8")	0.0%	484,000	-	-	484,000	-	-	-	-	-	-	-	-	395,000	395,000					
LS-23 Elimination Sewer (42")	0.0%	4,101,000	-	-	4,101,000	-	-	-	-	-	-	-	-	484,000	484,000					
LS-9 Upgrade & Force Main Re-Route (5.36 MGD, 16")	0.0%	6,179,000	-	-	6,179,000	-	-	-	-	-	-	-	-	4,101,000	4,101,000					
LS-19 Elimination Sewer (30")	0.0%	11,486,000	-	-	-	11,486,000	-	-	-	-	-	-	-	6,179,000	6,179,000					
LS-20 Elimination Sewer (27")	0.0%	7,626,000	-	-	-	7,626,000	-	-	-	-	-	-	-	11,486,000	11,486,000					
Design of Remaining EDAP Subprojects (12-18)	0.0%	7,923,000	-	-	-	-	7,923,000	-	-	-	-	-	-	7,626,000	7,626,000					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	7,923,000	7,923,000					
Future Project	0.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Total WW Reclaimed Water	107,029,000													107,029,000	107,029,000					
Total Wastewater and Reclaimed Wa	<b>194,355,000</b>																			
<b>Total Unfunded Wastewater CIP</b>	<b>194,355,000</b>														<b>18,078,000</b>					
<b>Summary</b>																				
Dollars																				
Treatment	\$ 2,500,000	\$ 2,500,000	2,500,000	2,500,000	7,937,000	9,620,000	13,332,167	19,893,367	15,965,467	4,140,600	4,140,600	3,265,600	3,265,600	3,265,600	2,500,000	2,500,000				
Collection	84,826,000	84,826,000	-	-	-	-	-	-	-	-	-	-	-	-	66,748,000	18,078,000				
Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Customer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Reclaimed Water	<b>107,029,000</b>	<b>107,029,000</b>	<b>10,703,100</b>	<b>25,020,900</b>	<b>52,193,000</b>	<b>19,112,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>107,029,000</b>	<b>107,029,000</b>				
<b>Total</b>	<b>\$ 194,355,000</b>	<b>194,355,000</b>	<b>21,140,100</b>	<b>34,640,900</b>	<b>65,525,167</b>	<b>39,005,367</b>	<b>15,965,467</b>	<b>4,140,600</b>	<b>4,140,600</b>	<b>3,265,600</b>	<b>3,265,600</b>	<b>3,265,600</b>	<b>3,265,600</b>	<b>194,355,000</b>	<b>176,277,000</b>	<b>18,078,000</b>				
<b>Percent</b>																				
Treatment	1.3%	11.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.4%	0.0%			
Collection	43.6%	37.5%	27.8%	20.3%	51.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	43.6%	37.9%	100.0%			
Administration	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Customer	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Reclaimed Water	55.1%	50.6%	72.2%	79.7%	49.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	55.1%	60.7%	0.0%			
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>			

Test Year 2024	Percent Grant Funded	Total CIP/ Project	HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL											Total CIP Yrs 1-5	Total CIP Yrs 6-10					
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Total							
<b>Input Area -- UNFUNDED Capital Improvement Plan</b>																				
Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base																				
<b>Water Capital Improvement Plan -- Financing</b>																				
Beginning Balance -- Fund 27 - Utility CIP Fund (Not Impact Fee Project or Revenue related)			\$ 12,037,352	\$ 10,114,890	\$ 8,699,990	\$ 8,658,623	\$ 7,663,157	\$ 7,711,990	\$ 7,528,190	\$ 7,344,390	\$ 7,160,590	\$ 6,976,790								
<b>Sources of Capital:</b>																				
Budgeted Transfer of Bond Proceeds		\$ -																		
Water Impact Fees		\$ 12,900,000	300,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000								
Direct Utility Fund Balance Drawdown		\$ -	-	-	-	-	-	-	-	-	-	-								
Grant Funding		\$ 3,645,639	2,509,639	1,136,000	8,750,000	23,400,000	24,450,000	6,050,000	6,050,000	6,050,000	6,050,000	6,050,000	98,150,000	67,900,000	30,250,000					
Plus Amount Funded by Long-Term Debt		\$ 98,150,000	2,150,000	9,150,000																
<b>Total Sources</b>			4,959,639	11,686,000	10,150,000	24,800,000	25,850,000	7,450,000	7,450,000	7,450,000	7,450,000	7,450,000								
<b>Uses of Capital:</b>																				
Water Revenue Funded Capital Improvement Plan		119,940,000	6,882,100	13,100,900	10,191,367	25,795,467	25,801,167	7,633,800	7,633,800	7,633,800	7,633,800	7,633,800	119,940,000	81,771,000	38,169,000					
<b>Ending Balance Water CIP Fund</b>		A	10,114,890	8,699,990	8,658,623	7,663,157	7,711,990	7,528,190	7,344,390	7,160,590	6,976,790	6,792,990								
<b>Wastewater Capital Improvement Plan -- Financing</b>																				
Beginning Balance -- Fund 27 - Utility CIP Fund (Not Impact Fee Project or Revenue related)			\$ 12,037,352	\$ 10,856,890	\$ 9,265,990	\$ 7,290,823	\$ 6,385,457	\$ 6,369,990	\$ 6,679,390	\$ 6,788,790	\$ 7,023,190	\$ 7,257,590								
<b>Sources of Capital:</b>																				
Budgeted Transfer of Bond Proceeds		\$ 10,000,000	10,000,000	-	-	-	-	-	-	-	-	-								
Wastewater Impact Fees		\$ 13,400,000	800,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000								
Direct Utility Fund Balance Drawdown		\$ -	-	-	-	-	-	-	-	-	-	-								
Grant funding		\$ 11,509,639	7,009,639	4,500,000	27,150,000	62,150,000	36,700,000	14,550,000	2,950,000	2,950,000	2,100,000	2,100,000	154,850,000	142,700,000	12,150,000					
Plus Amount Funded by Long-Term Debt		\$ 154,850,000	2,150,000										253,000,000	210,600,000	42,400,000					
<b>Total Sources</b>			\$ 19,959,639	\$ 33,050,000	\$ 63,550,000	\$ 38,100,000	\$ 15,950,000	\$ 4,350,000	\$ 4,350,000	\$ 3,500,000	\$ 3,500,000	\$ 3,450,000								
<b>Uses of Capital:</b>																				
WW Revenue Funded Capital Improvement Plan		194,355,000	21,140,100	34,640,900	65,525,167	39,005,367	15,965,467	4,140,600	4,140,600	3,265,600	3,265,600	3,265,600	194,355,000	176,277,000	18,078,000					
<b>Total Balance WW CIP Funding</b>		B	10,856,890	9,265,990	7,290,823	6,385,457	6,369,990	6,579,390	6,788,790	7,023,190	7,257,590	7,441,990	314,295,000	258,048,000	56,247,000					
<b>Ending Balance Fund 27 - Utility CIP Fund (Not Impact Fee Project or Revenue related)</b>	A+B	\$ 20,971,780	\$ 17,965,980	\$ 15,949,447	\$ 14,048,613	\$ 14,081,980	\$ 14,107,580	\$ 14,133,180	\$ 14,183,780	\$ 14,234,380	\$ 14,234,980									
<b>Beginning Utility Fund Balance</b>																				
			\$ 24,074,703	18,872,178	17,182,086	16,946,895	16,109,757	17,543,373	19,091,870	21,969,576	26,042,408	31,829,675								
<b>Direct Fund Draw Down for CIP</b>			\$ (3,102,923)	\$ (3,005,800)	\$ (2,016,533)	\$ (1,900,833)	\$ 33,367	\$ 25,600	\$ 25,600	\$ 50,600	\$ 50,600	\$ 600								
<b>Total Direct Utility Fund Balance Drawdown</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -								
Number of Working Capital Days			266	231	202	162	156	155	172	194	228	268								
Combined % Operating- Fund Balance			291%	253%	221%	178%	170%	188%	213%	250%	294%									

Test Year 2024	Percent Grant Funded	Total CIP/ Project	HARLINGEN WATERWORKS SYSTEM WATER/WASTEWATER COST OF SERVICE MODEL										Total CIP Total	Yrs 1-5	Yrs 6-10					
			2024	2025	2026	2027	2028	2029	2030	2031	2032	2033								
<b>Input Area -- UNFUNDED Capital Improvement Plan</b>																				
Scenario: 2024 02 27 -- Scen IIB -- On Time -- Inverted Block Higher Base																				
<b>TOTAL CAPITAL IMP PLAN o Be Funded through Revenues and Fund Balance</b>																				
<b>Current Dollars</b>																				
Water Treatment -- BCRWP		\$ 437,000	\$ -	\$ 1,490,433	\$ 3,429,233	\$ 1,310,333	\$ 841,000	\$ 841,000	\$ 841,000	\$ 841,000	\$ 841,000	\$ 841,000	\$ 10,872,000	\$ 6,667,000	\$ 4,205,000					
Water Distribution		645,000	500,000	2,235,600	15,228,900	17,464,500	5,713,800	5,713,800	5,713,800	5,713,800	5,713,800	5,713,800	64,643,000	36,074,000	28,569,000					
Administration		3,552,000	1,728,000	-	672,000	560,000	-	-	-	-	-	-	6,512,000	6,512,000	-					
Supply		1,569,100	7,921,900	775,000	775,000	875,000	875,000	875,000	875,000	875,000	875,000	875,000	16,191,000	11,816,000	4,375,000					
WW Treatment		2,500,000	-	-	-	-	-	-	-	-	-	-	2,500,000	2,500,000	-					
WW Collection		7,937,000	9,620,000	13,332,167	19,893,367	15,965,467	4,140,600	4,140,600	3,265,600	3,265,600	3,265,600	3,265,600	84,826,000	66,748,000	18,078,000					
Reclaimed Water		10,703,100	25,020,900	52,193,000	19,112,000	-	-	-	-	-	-	-								
Total		27,343,200	44,790,800	70,026,200	59,110,500	36,075,300	11,570,400	11,570,400	10,695,400	10,695,400	10,695,400	10,695,400	292,573,000	237,346,000	55,227,000					
<b>Inflated Dollars</b>																				
CCI Escalator	3.0%																			
Water Treatment -- BCRWP		\$ 450,110	\$ -	\$ 1,535,146	\$ 3,532,110	\$ 1,349,643	\$ 866,230	\$ 866,230	\$ 866,230	\$ 866,230	\$ 866,230	\$ 866,230	\$ 11,198,160	\$ 6,867,010	\$ 4,331,150					
Water Distribution		664,350	515,000	2,302,668	15,685,767	17,988,435	5,885,214	5,885,214	5,885,214	5,885,214	5,885,214	5,885,214	66,582,290	37,156,220	29,426,070					
Administration		3,658,560	1,779,840	-	692,160	576,800	-	-	-	-	-	-	6,707,360	6,707,360	-					
Supply		1,616,173	8,159,557	798,250	798,250	901,250	901,250	901,250	901,250	901,250	901,250	901,250	16,676,730	12,170,480	4,506,250					
WW Treatment		2,575,000	-	-	-	-	-	-	-	-	-	-	2,575,000	2,575,000	-					
WW Collection		8,175,110	9,908,600	13,732,132	20,490,168	16,444,431	4,264,818	4,264,818	3,363,568	3,363,568	3,363,568	3,363,568	87,370,780	68,750,440	18,620,340					
Reclaimed Water		11,024,193	25,771,527	53,758,790	19,085,360	-	-	-	-	-	-	-								
Total		28,163,496	46,134,524	72,126,986	60,883,815	37,157,559	11,917,512	11,917,512	11,016,262	11,016,262	11,016,262	11,016,262	301,350,190	244,466,380	56,883,810					



HARLINGEN  
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