

UTILITY PROFILE FOR RETAIL WATER SUPPLIER

CONTACT INFORMATION

Name of Utility: City of Angleton

Public Water Supply Identification Number (PWS ID): TX0200002

Certificate of Convenience and Necessity (CCN) Number: _____

Surface Water Right ID Number: N/A

Wastewater ID Number: RN102179785, TPDES Permit WQ0010548004

Contact: First Name: Hector Last Name: Renteria

Title: Public Works Director

Address: 121 South Velasco City: Angleton State: TX

Zip Code: 77515 Email: hrenteria@angleton.tx.us

Telephone Number: 979-849-4364 Date: 4/17/24

Is this person the designated Conservation Coordinator? Yes No

Coordinator: First Name: Chris Last Name: Whittaker

Title: City Manager

Address: 121 South Velasco City: Angleton State: TX

Zip Code: 77515 Email: cwhittaker@angleton.tx.us

Telephone Number: 979-849-4364

Regional Water Planning Group: H

Groundwater Conservation District: _____

Our records indicate that you:

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

Utility Profile Year: 2024

A. Population and Service Area Data

1. Current service area size in square miles: 11.6

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

Year	Historical Population Served By Retail Water Service	Historical Population Served By Wholesale Water Service	Historical Population Served By Wastewater Water Service
2023	19,701	0	18,715
2022	19,610	0	18,630
2021	19,389	0	18,419
2020	19,427	0	18,455
2019	19,507	0	18,531

3. Projected service area population for the following decades.

Year	Projected Population Served By Retail Water Service	Projected Population Served By Wholesale Water Service	Projected Population Served By Wastewater Water Service
2030	20,157	0	19,149
2040	20,887	0	19,842
2050	21,617	0	20,536
2060	22,347	0	21,229
2070	23,017	0	21,866

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

Current population is based on 2020 census counts adjusted for recent growth trends.

Future growth is based on average growth rates over the previous five year period.

Wastewater population is 95% of water population.

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B. System Input

System input data for the previous five years.

Total System Input = Self-supplied + Imported – Exported

Year	Water Produced in Gallons	Purchased/Imported Water in Gallons	Exported Water in Gallons	Total System Input	Total GPCD
2023	61,016,200	725,771,000	0	786,787,200	109
2022	36,462,000	679,946,000	0	716,408,000	100
2021	13,285,000	664,661,143	0	677,946,143	96
2020	63,200,000	647,533,000	0	710,733,000	100
2019	63,917,000	642,411,000	0	706,328,000	99
Historic Average	47,576,040	672,064,429	0	719,640,469	101

C. Water Supply System

- 1. Designed daily capacity of system in gallons 10,440,000
- 2. Storage Capacity
 - 2a. Elevated storage in gallons: 1,250,000
 - 2b. Ground storage in gallons: 2,430,000

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D. Projected Demands

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

Year	Population	Water Demand (gallons)
2025	19,831	736,102,373
2026	19,896	738,520,361
2027	19,962	740,938,349
2028	20,027	743,356,337
2029	20,092	745,774,325
2030	20,157	748,192,313
2031	20,230	750,901,945
2032	20,303	753,611,576
2033	20,376	756,321,207
2034	20,449	759,303,839

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

Population projections are interpolated based on the forecast values contained in Section 3. The water demands are projected based on a constant GPCD value.

E. High Volume Customers

1. The annual water use for the five highest volume

Retail customers.

Customer	Water Use Category	Annual Water Use	Treated or Raw
Brazoria County Dent	Institutional	6,124,000	Treated
Angleton Manor Limited 1	Residential	775,000	Treated
Northside Manor	Residential	762,000	Treated
Angleton Danbury Hospital	Commercial	757,000	Treated
NDHC Lexington Square LLC	Commercial	661,000	Treated

2. The annual water use for the five highest volume

WHOLESALE customers.

Customer	Water Use Category	Annual Water Use	Treated or Raw
	Choose		Choose
	Choose		Choose
	Choose		Choose
	Choose		Choose
	Choose		Choose

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F. Utility Data Comment Section

Additional Information comments about utility data.

Section II: System Data

A. Retail Water Supplier Connections

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

Water Use Category Type	Total Retail Connections (Active + Inactive)	Percent of Total Connections
Residential - Single Family	6,460	70.66%
Residential - Multi-Family	2,029	22.19%
Industrial	0	0.00%
Commercial	654	7.15%
Institutional	0	0.00%
Agricultural	0	0.00%
Total	9,143	

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

Year	Net Number of New Retail Connections						Total
	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	
2023	176	0	0	1	0	0	177
2022	136	0	0	0	0	0	136
2021	67	0	0	2	0	0	69
2020	57	0	0	2	0	0	59
2019	0	0	0	0	0	0	0

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B. Accounting Data

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

Year	Residential - Single Family	Residential - Multi-Family	Industrial	Commercial	Institutional	Agricultural	Total
2023	284,871,000	72,174,000	0	163,032,000	0	0	520,077,000
2022	208,003,000	132,928,000	0	118,087,000	0	0	459,018,000
2021	311,506,000	80,020,000	0	112,198,000	0	0	503,724,000
2020	321,603,000	12,111,000	0	235,061,000	0	0	568,775,000
2019	298,373,000	63,637,000	0	186,784,000	0	0	548,794,000

C. Residential Water Use

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

Year	Total Residential GPCD
2023	50
2022	48
2021	55
2020	47
2019	51
Historic Average	50

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D. Annual and Seasonal Water Use

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

Month	Total Gallons of Treated Water				
	2023	2022	2021	2020	2019
January	56,505,000	54,312,000	54,709,000	57,399,000	61,470,000
February	50,302,000	49,817,000	59,592,000	55,002,000	47,456,000
March	57,811,000	54,287,000	55,874,000	59,759,000	61,015,000
April	54,007,000	56,514,000	56,141,000	58,000,000	61,365,000
May	60,960,000	65,566,000	52,853,000	61,540,000	66,085,000
June	68,009,000	68,178,000	54,914,000	60,232,000	64,505,000
July	72,531,000	71,170,000	55,742,000	63,442,000	71,482,000
August	85,404,000	69,785,000	55,905,000	66,303,000	72,089,000
September	78,061,000	64,822,000	55,367,000	59,576,000	67,515,000
October	64,811,000	70,296,000	54,493,000	58,674,000	42,379,000
November	64,660,000	59,448,000	52,827,000	55,438,000	51,929,000
December	59,984,000	63,455,000	52,961,000	55,503,000	63,681,000
Total	773,045,000	747,650,000	661,378,000	710,868,000	730,971,000

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

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

3. Summary of seasonal and annual water use.

	Summer RETAIL (Treated + Raw)	Total RETAIL (Treated + Raw)
2023	225,944,000	773,045,000
2022	209,133,000	747,650,000
2021	166,561,000	661,378,000
2020	189,977,000	710,868,000
2019	208,076,000	730,971,000
Average in Gallons	199,938,200	724,782,400

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E. Water Loss

Water Loss data for the previous five years.

Year	Total Water Loss in Gallons	Water Loss in GPCD	Water Loss in GCD*
2023	23,066,991	3	7
2022	260,341,194	37	83
2021	52,468,030	7	16
2020	128,936,298	18	47
2019	75,447,501	11	35
Average	108,052,003	15	38

*GCD = gallons per service connection per day

F. Peak Day Use

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

Year	Average Daily Use (gal)	Peak Day Use (gal)	Ratio (peak/avg)
2023	2,117,932	2,455,913	1.16
2022	2,048,356	2,273,185	1.11
2021	1,811,995	1,810,446	1.00
2020	1,947,584	2,064,967	1.06
2019	2,002,660	2,261,696	1.13

G. Summary of Historic Water Use

Water Use Category	Historic Average	Percent of Connections	Percent of Water Use
Residential-Single Family	284,871,200	70.66%	54.77%
Residential-Multi-Family	72,174,000	22.19%	13.88%
Industrial	0	0.00%	0.00%
Commercial	163,032,400	7.15%	31.35%
Institutional	0	0.00%	0.00%
Agricultural	0	0.00%	0.00%
Total	520077600		

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H. System Data Comment Section

Section III: Wastewater System Data

A. Wastewater System Data

1. Design capacity of wastewater treatment plant(s) in gallons per day: 3,600,000
2. List of active wastewater connections by major water use category.

Water Use Category	Metered	Unmetered	Total Connections	Percent of Total Connections
Municipal	6,376	23	6,399	91.00%
Industrial	0	0	0	0.00%
Commercial	633	0	633	9.00%
Institutional	0	0	0	0.00%
Agricultural	0	0	0	0.00%
Total	7,009	23	7,032	100.00%

3. Percentage of water serviced by the wastewater system: 77.00%

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

Month	Total Gallons of Treated Water				
	2023	2022	2021	2020	2019
January	58,654,500	47,623,090	52,751,000	86,125,000	72,805,000
February	41,510,290	57,339,420	37,735,000	51,645,700	55,319,000
March	40,842,200	42,323,560	43,487,000	44,682,300	44,402,000
April	45,841,230	37,351,180	38,209,730	43,270,000	43,957,000
May	70,455,730	38,418,530	95,038,000	42,002,000	60,698,000
June	39,948,760	31,701,460	61,116,320	51,978,000	67,930,000
July	35,208,930	36,070,860	73,195,000	47,752,000	50,753,000
August	33,549,360	44,498,890	42,527,062	42,749,000	49,311,000
September	34,075,380	36,224,220	61,895,600	45,211,000	75,794,000
October	60,480,260	33,137,430	84,905,130	33,980,800	69,766,000
November	42,859,530	59,139,480	48,755,270	37,145,700	63,345,000
December	68,606,000	50,876,760	54,032,680	60,230,000	47,272,700
Total	572,032,170	514,704,880	693,647,792	586,771,500	701,352,700

5. Could treated wastewater be substituted for potable water?

Yes
 No

B. Reuse Data

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

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

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C. Wastewater System Data Comment

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