City of Garden Ridge

"A way of life, not just a place to live"

AGENDA
WATER COMMISSION REGULAR MEETING
TUESDAY, NOVEMBER 15, 2022, 6:00 PM

The Water Commission will meet in a regular session on Tuesday, November 15, 2022 at 6:00 PM in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. This is an open meeting, open to the public, subject to the Open Meetings Law of the State of Texas, and as required by law, notice is hereby posted providing time, place, date, and agenda thereof. The meeting facility is wheelchair accessible and accessible parking spaces are provided. Requests for accommodations or interpretative services must be made to the City Secretary 48 hours prior to this meeting.

1. **Call to Order**

2. **Roll Call**

3. **Pledge of Allegiance**

4. **Citizen Comment Period - limited to 30 minutes total**

   Rules for Citizens' Participation: The Commission welcomes citizen participation and comments at all Commission Meetings. The Commission offers citizens the opportunity to address them by signing up to speak prior to the meeting. If you speak, you must follow these guidelines:

   a) Respect and courtesy:
      1. Direct your comments to the entire Commission, not to an individual member, nor to the audience.
      2. Show the Commission the same respect that you would like to be shown.
      3. End your speaking at the time allotted below.

   b) Speaking:
      1. First citizen comment period
         1.1. You are required to sign up to speak and you are limited to one 3-minute period.
      2. Second citizen comment period
         2.1. You are not required to sign up and you are limited to one 2-minute period.
      3. State your name and address before your comments begin.
      4. You are only allowed to speak once per topic, unless also speaking during a posted Public Hearing.

NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject must be limited to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the City Council is limited to either a statement of specific factual information or a recitation of existing policy. TEX. GOV'T CODE § 551.042.

5. **Business Items**

   The following items are for discussion, consideration, and/or action.

   a. Approvals
      1. Approval of Minutes for October 18, 2022, Water Commission Regular Meeting.

b. Discussions/Reports/Updates

  1. Utility Department Monthly Activity Report.

     i. Water Pumping/usage from City wells, Water system infrastructure maintenance, repairs and/or projects, and Water and/or Drought Management (current Watering Stage).

  2. Items applicable to the Water Commission discussed at the November City Council Regular Meeting.

c. Recommendations

  1. Request for water loss adjustment for 20810 Glen Cove for the billing period of June 23, 2022 – July 22, 2022.

     i. Review and make recommendation regarding the request.

  2. Water Rate Structure.

     i. Review and make possible recommendations on Water Rate Structure.

  3. Water Pressure Regulations.

     i. Review and make possible recommendations on Water Pressure Regulations.

  4. Water Commission activities and projects.

     i. Update Commissioner's activities and projects list and receive update from Commissioners.

     ii. Discuss and make possible recommendations on future meetings or direction regarding Water Commission activities and projects.

d. Future Agenda Items

  1. Commissioners input on agenda items.

  2. Announce the date, time, and location for next meeting (December 20, 2022, at 6:00 p.m. at City Hall).

6. <u>Citizen Comment Period</u>

7. <u>Adjournment</u>

AGENDA NOTICES:

<u>Decorum Required:</u> Any disruptive behavior, including shouting or derogatory statements or comments may be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.
<u>Action by Commission Authorized:</u> The Commission may vote or act upon any item within this Agenda.
<u>Attendance By Other Elected or Appointed Officials:</u> It is anticipated that members of the City Council, other city board, commissions and/or committees may attend the meeting in numbers that may constitute a quorum of the other city boards, commissions and/or committees. Notice is hereby given that the meeting, to the extent required by law, is also noticed as a meeting of the City Council, other boards, commissions and/or committees of the City, whose members may be in attendance. The members of the boards, commissions and/or committees may participate in discussions on the same items listed on the agenda, which occur at the meeting, but no action will be taken by such in attendance unless such item and action is specifically provided for on an agenda for that board, commission or committee subject to the Texas Open Meetings Act.

This is to certify that I, Michelle Hinojosa, posted this Agenda at 3:15 p.m. on November 8, 2022, on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.

Michelle Hinojosa
Utility Clerk

City of Garden Ridge

"A way of life, not just a place to live"

MINUTES
WATER COMMISSION REGULAR MEETING
TUESDAY, OCTOBER 18, 2022, 6:00 P.M.

Commissioners Present:
Chair James Mueller
Vice-Chair Keven Harshbarger
Commissioner Joseph Haltaman
Commissioner Dr. Richard Carmichael
Commissioner Don Stone
Mayor Robb Erickson, Ex-Officio

Commissioners Absent: Vacant Position

City Staff, City Councilmembers, and Other Commissioners Present:
Nancy Cain, City Administrator
Marisa Spencer, City Secretary
Michelle Hinojosa, Utility Clerk
Steven Steinmetz, Public Works Director
Jesse Valdez, City Councilmember

1. Call to Order
With a quorum of the Water Commissioners present, Chair Mueller called the regular meeting of the Garden Ridge Water Commission to order at 6:01 p.m. on Tuesday, October 18, 2022, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Roll Call: See above.

3. Pledge of Allegiance: Chair Mueller led the Pledge of Allegiance.

4. Citizen Comment Period: None wished to speak.

5. Business Items
The following items are for discussion, consideration, and/or action.
a) Approvals
1. Minutes for September 20, 2022, Water Commission Regular Meeting.

Motion: A motion was made by Commissioner Stone, seconded by Commissioner Dr. Carmichael, to approve the minutes for the September 20, 2022, Water Commission Regular Meeting. The Commission voted four (4) for and none (0) opposed. The motion carried unanimously.

b) Discussions/Reports/Updates
1. Utility Department Monthly Activity Report.
i. Water Pumping/usage from City wells, Water system infrastructure maintenance, repairs and/or projects, and Water and/or Drought Management (current Watering Stage).

Steven Steinmetz, Public Works Director, reviewed the monthly activity report and answered questions from the Commission.

2. Items applicable to the Water Commission discussed at the October City Council Meeting.

Chair Mueller updated the Commission on the items applicable to the Commission discussed at the October City Council Meeting.

c) Recommendations
1. Request for water loss adjustment for 7933 Garden North for the billing period of March 23, 2022 – April 23, 2022.
i. Review and make recommendations regarding the request.

The Commission reviewed the water loss adjustment for 7933 Garden North submitted by John Steers, who was not in attendance. The Commission discussed the water loss adjustment from the billing period of March 23, 2022 – April 23, 2022.

Motion: A motion was made by Vice-Chair Harshbarger, seconded by Commissioner Stone, to recommend to City Council approval of a water loss adjustment credit of $589.66 for 7933 Garden North for the billing period of March 23, 2022 – April 23, 2022. The Commission voted four (4) for and none (0) opposed. The motion carried unanimously.

2. Water Rate Structure.

i. Review and make possible recommendations regarding Water Rate Structure.

Vice-Chair Harshbarger updated the Commission on the Water Rate Structure process.

3. Request for a variance to Ordinance No. 61, Drought Demand Reduction Measures for 22168 Via Posada Dr. to allow an exception to Stage 2 watering restrictions for the watering of newly installed sod.

i. Discuss and make possible recommendations for variance to Ordinance No. 61 for 22168 Via Posada Dr.

Nancy Cain, City Administrator, updated the Commission on the variance request. Nothing further to consider at this time.

4. Water Commission activities and projects.

i. Update of Commissioner's activities and projects list and receive update from Commissioners.

The Commissioners updated the Commission on their activities and projects.

ii. Discuss and make possible recommendations on future meetings or direction regarding Water Commission activities and projects.

The Commission had none at this time.

5. Ordinance No. 210-042022 An Ordinance of the City Council of the City of Garden Ridge, Texas, adopting board and commission policies and procedures; providing a cumulative and savings clause; providing for severability; and declaring an effective date.

i. Receive recommendations and consideration for appointment of Water Commission Chair and Vice-Chair for a one-year term effective October 2022.

Motion: A motion was made by Commissioner Stone, seconded by Commissioner Haltaman, to appoint Commissioner Mueller as Chair and Commissioner Harshbarger as Vice-Chair for a one-year term effective October 2022. The Commission voted four (4) for and none (0) opposed. The motion carried unanimously.

d) Future Agenda Items

1. Commissioners input on agenda items.

Vice-Chair Harshbarger requested to review the Water Rate Structure.
Commissioner Haltaman requested to discuss water pressure regulations.

2. Announce the date, time, and location for next meeting (Tuesday, November 15, 2022 at 6:00 p.m. at City Hall).

Chair Mueller announced the next Water Commission Regular Meeting will be held on Tuesday, November 15, 2022, at 6:00 p.m. at City Hall in the City Council Chambers.

6. <u>Citizen Comment Period:</u> None wished to speak.

7. <u>Adjournment</u>

Motion: A motion was made by Vice-Chair Harshbarger, seconded by Commissioner Dr. Carmichael, to adjourn. The Commission voted four (4) for and none (0) opposed. The motion carried unanimously. There being no further business, the Tuesday, October 18, 2022, Water Commission Regular Meeting was adjourned at 7:16 p.m. by Chair Mueller.

James Mueller
Chair

ATTEST:

Michelle Hinojosa
Utility Clerk

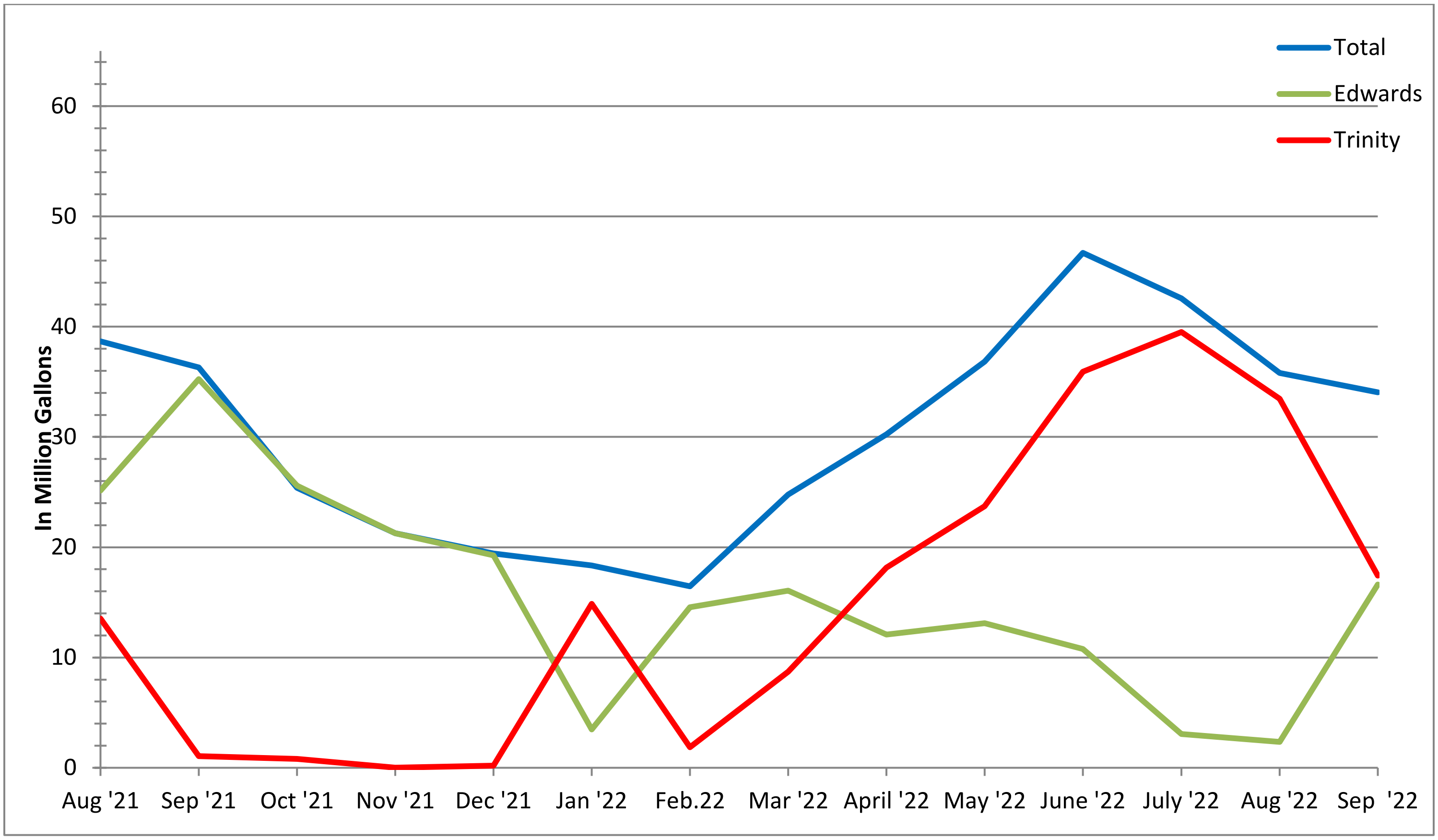
City of Garden Ridge

"A way of life, not just a place to live"

Utilities Department Report

As of October 31, 2022

City of Garden Ridge Aquifer Usage

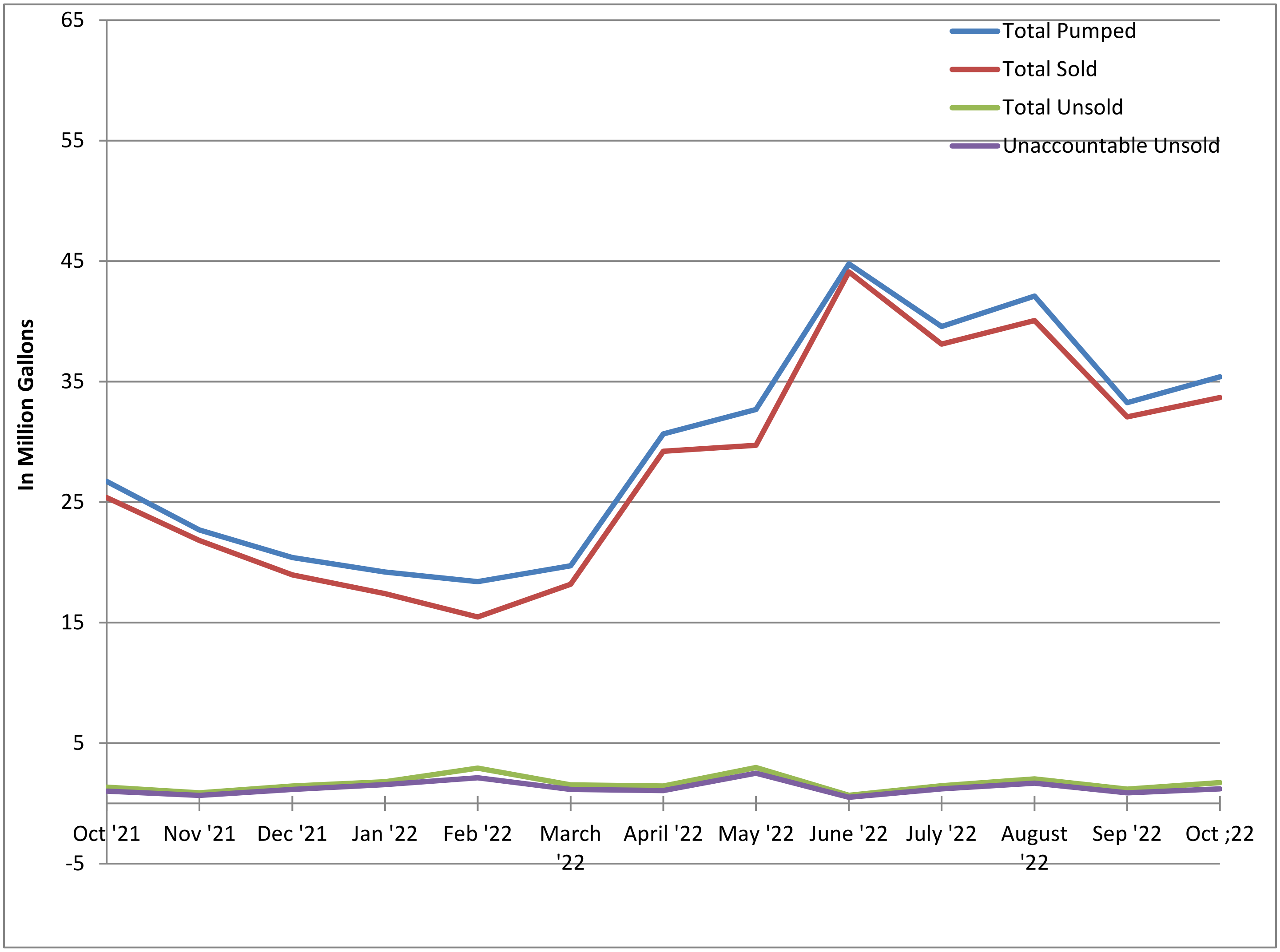


	Month:	Year:	Available:	Stage:
Edwards Well Usage AC/FT:	**51**	**282.47**	**254.97**	**3**
Trinity Well Usage AC/FT:	**53.47**	**594.3**	**N/A**	**0**

Water Quality

Backterialogical Samples	Due:	Missed:	Passed:	Failed:
Distribution Samples:	6	0	6	0
Speacial Samples:	1	0	1	0
Chlorine Residual Test:	30	0	30	0

2021 – 2022 Pumping Report



	Total Pumped (Thousands)	Total Sold (Thousands)	Total Unsold (Thousands)	Unaccountable Unsold (Thousands)	Unaccountable Unsold %
Oct '21	26,719	25,368	1,351	1,025	3.8%
Nov '21	22,702	21,817	8,858	668	2.9%
Dec '21	20,393	18,955	1,438	1,149	5.6%
Jan '22	19,203	17,414	1,789	1,553	8.1%
Feb '22	18,402	15,471	2,931	2,131	11.6%
Mar '22	19,708,	18,182	1,526	1,160	5.9%
April '22	30,656	29,217	1,439	1,073	3.5%
May '22	32,689	29,713	2,976	2,505	7.7%
June '22	44,778	44,108	6,703	506	1.1%
July '22	39,584	38,121	1,463	1,196	3.0%
Aug '22	42,087	40,066	2,021	1,687	4.0%
Sep '22	33,266	32,087	1,179	879	2.6%
Oct '22	35,400,	33,684	1,716	1,204	3.4%
Yearly Average	**30,044**	**28,016**	**2,722**	**1,287**	**4.9%**

Utilities Department Monthly Activities:

New Installed Meters	**1**	Work Orders	**483**
Meter Replacements	**0**	Locates	**42**
City Owned Leaks	**1**	Irrigations Permits Issued	**0**
Meters Read	**1695**	Total Rebates	**0**
Meter Tests	**0**		

AMI Information

	Sep.	Oct.			Sep.	Oct	
Total AMI Notifications	**1,719**	**1,534**	↓ **185**	Abnormal Usage	**154**	**159**	↑ **5**
Automatic Draft Customers	**687**	**689**	↑ **2**	Continuous Flow	**88**	**86**	↓ **2**
AMI Customer Portal Profiles	**717**	**730**	↑ **13**	Leak Info Code	**565**	**561**	↓ **4**
E-Billing Customers	**384**	**389**	↑ **5**	Usage Trend	**150**	**169**	↑ **4**

Stage 2 restriction alerts
October alerts 559
Down 203 from September

*Active Leak Info Code Alerts – The firmware on the meter is measuring the flow rate through the meter and will only be triggered if water is flowing continuously above the configurable parameter of the meter's max-flow rate threshold for 24 hours. The city has set a standard max-flow rate of .1% and is notified of any triggered alert.

Leak Adjustments

New Requests		Waiting for Customer	5	Approved	3	Amount Approved	328.67	Denied	0	Sent to Water Commission	1

City of Garden Ridge 2022 Water Rate Study

Prepared by Staff and Water Rate Sub-committee

Presented to Water Commission on

Nov 15, 2022

Overview

- Background
- Objective
- Current Rates, Benchmarks, and Operating Results
- Update Model Data
  - Water Consumption
  - Water Fund Expenditures
  - Water Fund Balance
- Proposed Water Rates
  - Options
  - Results – Model Predictions Feasible Cases
  - Staff and Sub-Committee Recommendations
- Discussion / Recommendation

Background

- Water & Wastewater Rates Analysis Model
  - Provided by University of North Carolina, Chapel Hill Environmental Finance Center
- November 2019
  - Council approved 14% water rate increase for CY2020, annual rate study
- January 2021 – Council approved new rates for CY2021
  - RI base rate increased 10%, 3% T1/T2 increase
  - For T3 and above, additional 2% marginal rate increase
  - Included AMI project, projected FY2021 fund balance $1.201M; FY2021 Amended Budget Fund Balance $1.235M
- December 2021 – Council approved new rates for CY2022
  - $2.50 increase to ¾" base rate, adjusted volume tiers starting at 1K – 10K gallons

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  - Water Fund Balance
- Proposed Water Rates
  - Options - Base Rates and Volumetric Rate Structure
  - Results – Model Predictions Feasible Cases
  - Staff and Sub-Committee Recommendations
- Discussion / Recommendation

Water Rate Study Objectives

- Define rate or pricing goals and objectives-first step
- Typical objectives may include:
  - Revenue sufficiency
  - Revenue stability
  - Simplicity – ease of customer understanding
  - Ease of administration
  - Affordability
  - Resource efficiency – price signals, conservation
  - Legal
  - Consistency with cost-of-service principles
  - Equity/Fairness

Source: Developing Rates for Small Systems, M54. AWWA, 2017

Water Rate Study Objectives 2021

- Full cost recovery
  - Operations & Maintenance
  - Debt service
  - Replenish Reserves – 12 months M&O, 1 year debt service
- Revenue stability
- Cost of service principles – "no free water"
- Encouraging water conservation
- Follows a logical process and pattern

- Recommend no change in objectives for 2022 study

Overview

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  - Options
  - Results – Model Predictions Feasible Cases
  - Staff and Sub-Committee Recommendations
- Discussion / Recommendation

Current Rate Structure

Base Rates		
Meter Size	Inside City Limits	Outside City Limits
3/4"	$ 30.00	$ 46.25
1"	$ 33.00	$ 49.25
1-1/2"	$ 52.50	$ 68.75
2"	$ 60.00	$ 76.25

Volumetric Tier Rate Structure ($ / 1000 Gallons)			
Start	End	Inside City Limits	Outside City Limits
1,000	10,000	$ 2.82	$ 4.55
10,001	20,000	$ 4.75	$ 6.89
20,001	30,000	$ 6.71	$ 9.27
30,001	40,000	$ 8.72	$ 12.07
40,001	50,000	$ 10.76	$ 14.82
50,001	60,000	$ 12.85	$ 17.54
60,001	70,000	$ 14.97	$ 19.37
70,001	80,000	$ 17.14	$ 21.92
80,001	90,000	$ 19.35	$ 24.61
90,001	& up	$ 21.61	$ 27.34

Rate Comparison CY2021 vs CY2022

Base Rates						
Meter Size	Inside City Limits			Outside City Limits		
	2021	2022	Delta	2021	2022	Delta
3/4"	$ 27.50	$ 30.00	$ 2.50	$ 43.75	$ 46.25	$ 2.50
1"	$ 30.25	$ 33.00	$ 2.75	$ 46.50	$ 49.25	$ 2.75
1-1/2"	$ 48.13	$ 52.50	$ 4.37	$ 64.38	$ 68.75	$ 4.37
2"	$ 55.00	$ 60.00	$ 5.00	$ 71.25	$ 76.25	$ 5.00

Water Usage, gals		$ / 1000 Gallons					
Start	End	Inside City Limits			Outside City Limits		
		2021	2022	Delta	2021	2022	Delta
1,000	5,000	$ -	$ 2.82	$ 2.82	$ -	$ 4.55	$ 4.55
5,001	10,000	$ 2.82	$ 2.82	$ -	$ 4.55	$ 4.55	$ -
10,001	15,000	$ 2.82	$ 4.75	$ 1.93	$ 4.55	$ 6.89	$ 2.34
15,001	20,000	$ 4.75	$ 4.75	$ -	$ 6.89	$ 6.89	$ -
20,001	25,000	$ 4.75	$ 6.71	$ 1.96	$ 6.89	$ 9.27	$ 2.38
25,001	30,000	$ 6.71	$ 6.71	$ -	$ 9.27	$ 9.27	$ -
30,001	35,000	$ 6.71	$ 8.72	$ 2.01	$ 9.27	$ 12.07	$ 2.80
35,001	40,000	$ 8.72	$ 8.72	$ -	$ 12.07	$ 12.07	$ -
40,001	45,000	$ 8.72	$ 10.76	$ 2.04	$ 12.07	$ 14.82	$ 2.75
45,001	50,000	$ 10.76	$ 10.76	$ -	$ 14.82	$ 14.82	$ -
50,001	55,000	$ 10.76	$ 12.85	$ 2.09	$ 14.82	$ 17.54	$ 2.72
55,001	60,000	$ 12.85	$ 12.85	$ -	$ 17.54	$ 17.54	$ -
60,001	65,000	$ 12.85	$ 14.97	$ 2.12	$ 17.54	$ 19.37	$ 1.83
65,001	70,000	$ 14.97	$ 14.97	$ -	$ 19.37	$ 19.37	$ -
70,001	75,000	$ 14.97	$ 17.14	$ 2.17	$ 19.37	$ 21.92	$ 2.55
75,001	80,000	$ 17.14	$ 17.14	$ -	$ 21.92	$ 21.92	$ -
80,001	85,000	$ 17.14	$ 19.35	$ 2.21	$ 21.92	$ 24.61	$ 2.69
85,001	90,000	$ 19.35	$ 19.35	$ -	$ 24.61	$ 24.61	$ -
90,001	95,000	$ 19.35	$ 21.61	$ 2.26	$ 24.61	$ 27.34	$ 2.73
95,001	up	$ 21.61	$ 21.61	$ -	$ 27.34	$ 27.34	$ -

Benchmark Cities – Cost Comparison
Inside Cities – FY2022 (as of 10/24/22)

Average Consumption - 5,000 gallons	
Converse	$ 28.80
SAWS**	$ 37.31
Schertz	$ 42.46
Garden Ridge	$ 44.10
Shavano Park*	$ 45.27

Average Consumption – 10,000 gallons	
Converse	$ 42.10
Garden Ridge	$ 58.20
Schertz	$ 59.26
Shavano Park*	$ 62.27
SAWS**	$ 72.76

Average Consumption - 50k gallons	
Converse	$ 178.10
Shavano Park*	$ 206.87
Schertz	$ 280.03
Garden Ridge	$ 367.60
SAWS**	$ 623.52

Average Consumption – 100k gallons	
Converse	$ 358.60
Shavano Park*	$ 487.17
Schertz	$ 600.03
Garden Ridge	$ 1226.80
SAWS**	$ 1378.77

Water cost only   * Incl Debt service fee   ** Incl Water supply fee

Water Consumption by Billing Tier
Inside City Limits (1601 accts at EOY)

* Adjusted for new tier structure

Tier	Gallons/Month				
	FY2018	FY2019	FY2020	*FY2021	*FY2022
0		4,998,750	5,493,750		
1	8,349,167	6,947,833	8,393,167	12,266,250	12,638,500
2	4,862,250	4,034,833	4,985,333	6,325,500	6,786,583
3	2,698,833	2,445,667	2,821,750	3,205,667	3,710,917
4	1,480,583	1,446,667	1,492,000	1,575,750	2,743,417
5	821,417	876,000	791,833	751,167	916,333
6	459,167	503,750	429,083	367,333	468,500
7	271,167	299,000	185,250	190,333	266,667
8	160,333	195,500	141,583	100,500	159,500
9	100,750	135,583	90,333	68,167	99,417
10	248,167	305,000	185,417	199,333	232,083
Totals	19,451,834	22,188,583	25,009,499	25,050,000	28,021,917

11.9% Increase

Mean Total - 23,944,367 gal/month   σ – 2,906,853 gal/month (+/- 12%)

Water Consumption by Billing Tier
Outside City Limits (84 accts by EOY)

* Adjusted for new tier structure

Tier	Gallons/Month				
	FY2018	FY2019	FY2020	*FY2021	*FY2022
0		197,500	226,250		
1	271,500	199,000	245,334	517,917	517,667
2	82,917	68,333	70,000	125,833	133,083
3	26,750	30,333	23,583	38,667	46,250
4	10,583	11,667	6,583	10,083	11,667
5	1,583	5,167	2,417	2,167	4,583
6	833	1,750	1,083	833	1,667
7	0	834	834	250	833
8	0	833	833	0	833
9	0	833	833	0	250
10	0	0	250	0	250
Totals	394,166	516,250	578,000	695,750	717,083

3.1% Increase

Mean Total – 580,250 gal/month   σ – 118,989 gal/month (+/- 21%)

Water Consumption

Demand Characteristics, FY2021

Residential Inside City Limits

Tier	Start	End	Consumption	Users
			% total gallons	% total bills
0	0	5000	5.2%	26.5%
1	5001	15000	22.0%	35.5%
2	15001	25000	24.2%	19.0%
3	25001	35000	18.3%	9.6%
4	35001	45000	12.5%	4.9%
5	45001	55000	7.3%	2.3%
6	55001	65000	4.0%	1.1%
7	65001	75000	2.2%	0.5%
8	75001	85000	1.2%	0.2%
9	85001	95000	0.7%	0.1%
10	95001	and up	2.5%	0.3%
Totals			100.0%	100.0%
			300,600 kgal	19,145
Average per account, gal/month			15,804	

Residential Outside City Limits

Tier	Start	End	Consumption	Users
			% total gallons	% total bills
0	0	5000	19.6%	46.5%
1	5001	15000	43.3%	40.5%
2	15001	25000	20.8%	8.8%
3	25001	35000	10.8%	3.1%
4	35001	45000	3.7%	0.8%
5	45001	55000	1.1%	0.2%
6	55001	65000	0.8%	0.1%
7	65001	75000	0.0%	0.0%
8	75001	85000	0.0%	0.0%
9	85001	95000	0.0%	0.0%
10	95001	and up	0.0%	0.0%
Totals			100.0%	100.0%
			8,349 kgal	998
			8,383	

Water Consumption

Demand Characteristics, FY2022

Residential Inside City Limits						Residential Outside City Limits				
Tier	Start	End	Consumption	Users		Tier	Start	End	Consumption	Users
			% total gallons	% total bills					% total gallons	% total bills
1	0	10000	14.0%	46.3%		1	0	10000	42.7%	74.9%
2	10001	20000	20.8%	23.9%		2	10001	20000	28.8%	16.9%
3	20001	30000	20.3%	14.0%		3	20001	30000	16.0%	5.4%
4	30001	40000	19.2%	8.0%		4	30001	40000	8.1%	2.1%
5	40001	50000	10.5%	4.0%		5	40001	50000	1.6%	0.3%
6	50001	60000	5.4%	1.7%		6	50001	60000	1.9%	0.3%
7	60001	70000	3.3%	0.9%		7	60001	70000	0.0%	0.0%
8	70001	80000	2.0%	0.5%		8	70001	80000	0.0%	0.0%
9	80001	90000	1.3%	0.3%		9	80001	90000	1.0%	0.1%
10	90001	and up	3.3%	0.5%		10	90001	and up	0.0%	0.0%
Totals			100.0%	100.0%		Totals			100.0%	100.0%
			336,263 kgal	19,472 bills					8,602 kgal	1,011 bills
Average per account, gal/month			17,266						8,534	

Operating Results

Forecast Model vs. Most Current Values

*Fund balance adj to incl req res contribution

** 1Q at prior year rates

Item	Model Forecast, $	FY2022 Budget, $	Rev and Exp Rpt 9/30, $	EOY Utility Report, $
Revenue from Base Rates	626,961	-	-	610,333**
Revenue from Volume Sales	1,305,442	-	-	1,562,927**
Total Revenue (adj for uncollected bills and fees)	1,940,471	1,817,500	2,175,860 +12%	2,148,260 est
M&O Expenses	1,105,580	1,105,580	1,133,360	-
Debt Service Expenses	711,950	711,920	720,257	-
Total Expenses	1,817,530	1,817,500	1,853,617 +2%	-
Net Revenue	122,941	0	322,243	-
-Req Reserve Contribution*	116,516	-	-	-
Gain (Loss) to Fund Balance	6,425	0	322,243	-
Fund Balance*	1,241,373	1,258,738	1,580,981 est	--
Months of Reserve	5.8	6.0	9.1 est	

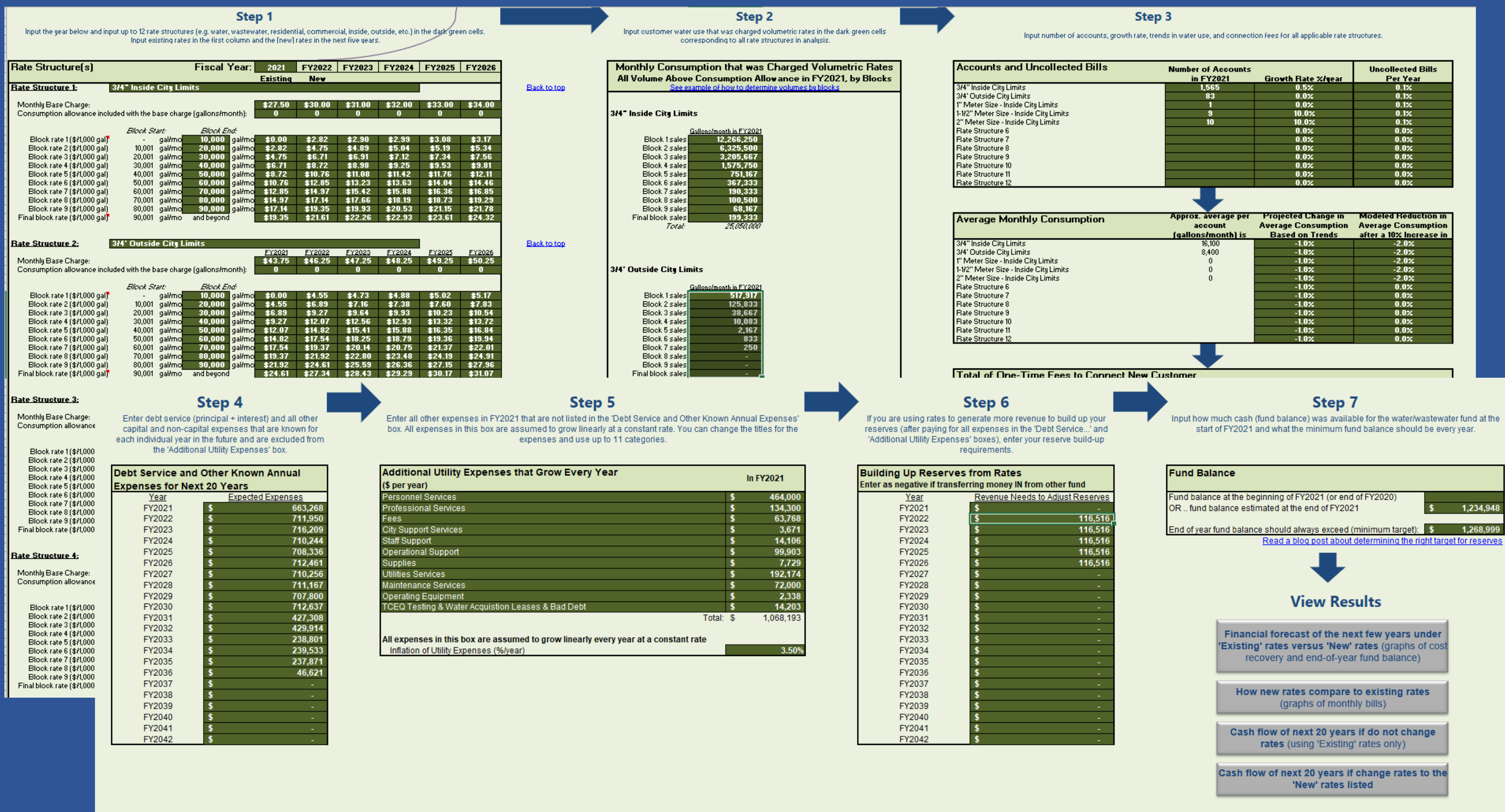
CAUTION: Financial data UNAUDITED

Overview

- Background
- Objective
- Current Rates, Benchmarks, and Operating Results
- Update Model Data
  - Water Consumption
  - Water Fund Expenditures
  - Water Fund Balance
- Proposed Water Rates
  - Options
  - Results – Model Predictions Feasible Cases
  - Staff and Sub-Committee Recommendations
- Discussion / Recommendation

Water Rate Analysis Model

- University of North Carolina, Chapel Hill Environmental Finance Center
- Multi-factor model creates “balance sheet” forecasts for planning



Updated Water Consumption by Tier

Tier	Inside City Limits Gal/Mo FY 2022	Outside City Limits Gal/Mo FY 2022
0		
1	12,638,500	517,667
2	6,786,583	133,083
3	3,710,917	46,250
4	2,743,417	11,667
5	916,333	4,583
6	468,500	1,667
7	266,667	833
8	159,500	833
9	99,417	250
10	232,083	250
Totals	28,021,917	717,083
	1601 accts	84 accts

Monthly Average Outside City Limits water consumption < 3% of total

Accounts and Uncollected Bills	Number of Accounts in FY 2022
3/4" Inside City Limits	1,580
3/4" Outside City Limits	84
1" Meter Size - Inside City Limits	1
1-1/2" Meter Size - Inside City Limits	9
2" Meter Size - Inside City Limits	11

Update Model Data
Water Consumption - Assumptions

- Growth Rate
  - New home construction expected to remain low
  - New commercial construction on FM2252 beginning
  - ¾" meters - 0.5%/year inside, 0% outside (+8) (+15, +0 FY22)
  - 1" meters – 0% inside and outside (+0 FY22)
  - 1 ½" and 2" meters – 10.0%/year inside only (+2) (+1 FY22)
- Projected Change in Average Consumption
  - No Change at -1.0%/year (+ 9% est FY22)
- Modeled Reduction in Average Consumption after 10% rate increase
  - No Change at -2.0%/year
- Connection fees manually set to match budget projection

Update Model Data
Water Fund Budgeted Expenditures

WATER FUND	FY 2021 AUDIT	FY 2022 BUDGET	FY 2023 PROPOSED BUDGET
EXPENDITURE SUMMARY			
PERSONNEL SERVICES	$ 413,075	$ 480,240	$ 522,099
PROFESSIONAL SERVICES	758,583	139,000	95,197
FEES	65,961	66,000	66,000
CITY SUPPORT SERVICES	743	3,800	3,300
STAFF SUPPORT	8,787	14,600	13,350
OPERATIONAL SUPPORT	92,391	103,400	116,041
SUPPLIES	10,738	8,000	15,000
UTILITY SERVICES	176,685	198,900	196,620
MAINTENANCE SERVICES	38,001	74,520	76,320
OPERATING EQUIPMENT	0	2,420	2,140
OTHER COST	12,673	13,200	10,000
DEBT SERVICE & LOAN PAYMENTS	663,927	711,920	713,005
FUND CHANGES/TRANSFERS	0	1,500	1,500
TOTAL EXPENDITURES	$ 2,241,564	$ 1,817,500	$ 1,830,572

Assume 5.00% - Inflation

Update Model Data

- Step 4 – Updated with current debt service schedule for FY2022 – FY2036
  - Does not forecast future projects

- Step 1 - Rate Structure is primary variable in case studies
- “Case 0 - Base Case” using current rate structure
- Maintained current volume tiers
- Adjusted base and tier rates as needed

Water Fund Reserve

FY2023 Water Fund Budget Expenditures :

12 Months of Operations	$ 1,117,567	$ 1,830,572
Debt Serv. Payment (100%)	$ 713,005	

Step 7 - Reserve level FY 2022 YE	$ 1,258,738
	$ 1,580,981
Shortfall of Water Fund Reserve Goal	$ 571,834
	$ 249,591

Step 6 - Adjust model based on replenishment rate

Ex: to replenish fund in 5 years	**$ 114,367/yr**
to replenish fund in 4 years	**$ 62,398/yr**

At modeled rate, projected replenishment in 2.2 years

Overview

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Proposed Water Rates
Developing Options – Cost of Service

FY2023 Water Fund Budget Expenditures:

Operating & Maintenance	$ 1,117,567	〉	$ 1,830,572
Debt Serv. Payment (100%)	$ 713,005		

Number of Accounts:

Residential Inside – ¾”	1580		
Residential Inside – 1”	1		
Residential Inside – 1 ½”	9	〉	1685
Residential Inside – 2”	11		
Residential Outside – ¾”	84		

Average cost per account per month:

Operating & Maintenance	$ 55.27	〉	$90.53
Debt Serv. Payment	$ 35.26		

Proposed Water Rates

Developing Options

Current

Total Water Bill

¾" meters

Average RO usage

Average RI usage

Water Usage, gallons	Inside City Limits		Outside City Limits	
1,000	$	32.82	$	50.80
2,000	$	35.64	$	55.35
3,000	$	38.46	$	59.90
4,000	$	41.28	$	64.45
5,000	$	44.10	$	69.00
6,000	$	46.92	$	73.55
7,000	$	49.74	$	78.10
8,000	$	52.56	$	82.65
9,000	$	55.38	$	87.20
10,000	$	58.20	**$**	**91.75**
11,000	$	62.95	$	98.64
12,000	$	67.70	$	105.53
13,000	$	72.45	$	112.42
14,000	$	77.20	$	119.31
15,000	$	81.95	$	126.20
16,000	$	86.70	$	133.09
17,000	**$**	**91.45**	$	139.98
18,000	$	96.20	$	146.87
19,000	$	100.95	$	153.76
20,000	$	105.70	$	160.65
21,000	$	112.41	$	169.92
22,000	$	119.12	$	179.19
23,000	$	125.83	$	188.46
24,000	$	132.54	$	197.73
25,000	$	139.25	$	207.00

Proposed Water Rates

Developing Options – Cost of Service

FY2023 Water Fund Budget Expenditures:

Operating & Maintenance	$ 1,117,567	$ 1,830,572
Debt Serv. Payment (100%)	$ 713,005	

Total Gallons of Water Sold:

Residential Inside	336,263 k	344,865 k
Residential Outside	8,602 k	

Average cost per 1,000 gallons: **$ 5.31**

Tier 2 – $4.75

Tier 3 – $6.71

Cost per 1,000 gallons incl base rate for "average" user:

Res Inside 17,000 gal - $5.38 Residential Outside 9,000 gal - $9.69

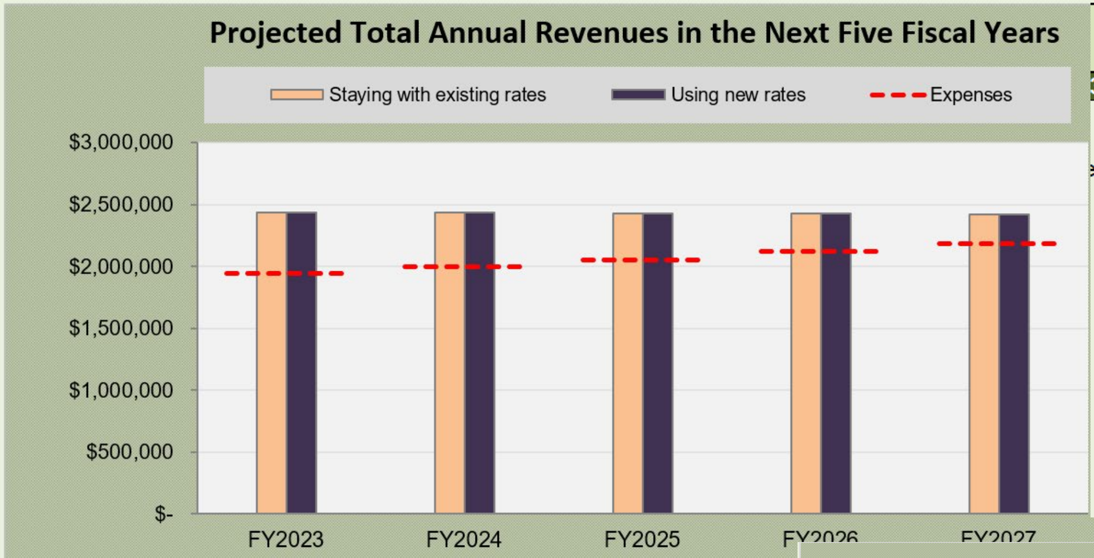
Proposed Water Rates

Developing Options – Case Studies Considered

- Baseline case – maintain current rates and tiers
- Baseline case modified for FY2021 consumption
- Baseline case modified for reduced consumption
  - 17% reduction from FY2022 consumption levels
- Maintaining Current Tiers
  - Maintained 5 yr reserve recovery rate
  - Considered inside vs. outside city rates
    - Equalized either base rates or tier rates
  - Maintained tier rates with $0.50 reduction in base rate
  - $0.50 base rate reduction, set RO tier rates = RI tier rates
- Cases indicated by numbers, i.e. Case 1, Case 2, etc

Proposed Water Rates

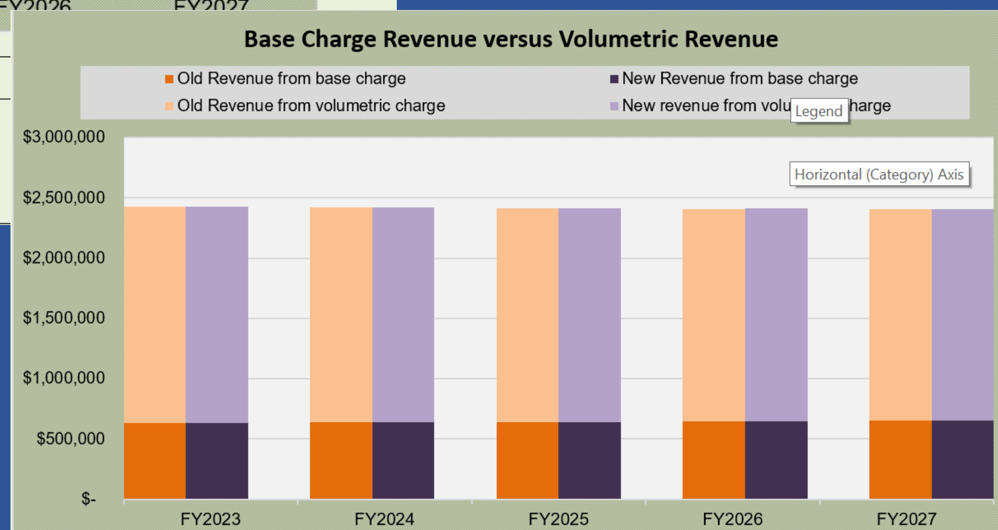
Results - Case 0, “Do Nothing Option”



		Fiscal Year:		2022	FY2023
				Existing	New
3/4" Inside City Limits					
				$30.00	$30.00
ed with the base charge (gallons/month):				0	0
Block Start:		*Block End:*			
-	gal/mo	10,000	gal/mo	$2.82	$2.82
10,001	gal/mo	20,000	gal/mo	$4.75	$4.75
20,001	gal/mo	30,000	gal/mo	$6.71	$6.71
30,001	gal/mo	40,000	gal/mo	$8.72	$8.72
40,001	gal/mo	50,000	gal/mo	$10.76	$10.76
50,001	gal/mo	60,000	gal/mo	$12.85	$12.85
60,001	gal/mo	70,000	gal/mo	$14.97	$14.97
70,001	gal/mo	80,000	gal/mo	$17.14	$17.14
80,001	gal/mo	90,000	gal/mo	$19.35	$19.35
90,001	gal/mo	and beyond		$21.61	$21.61

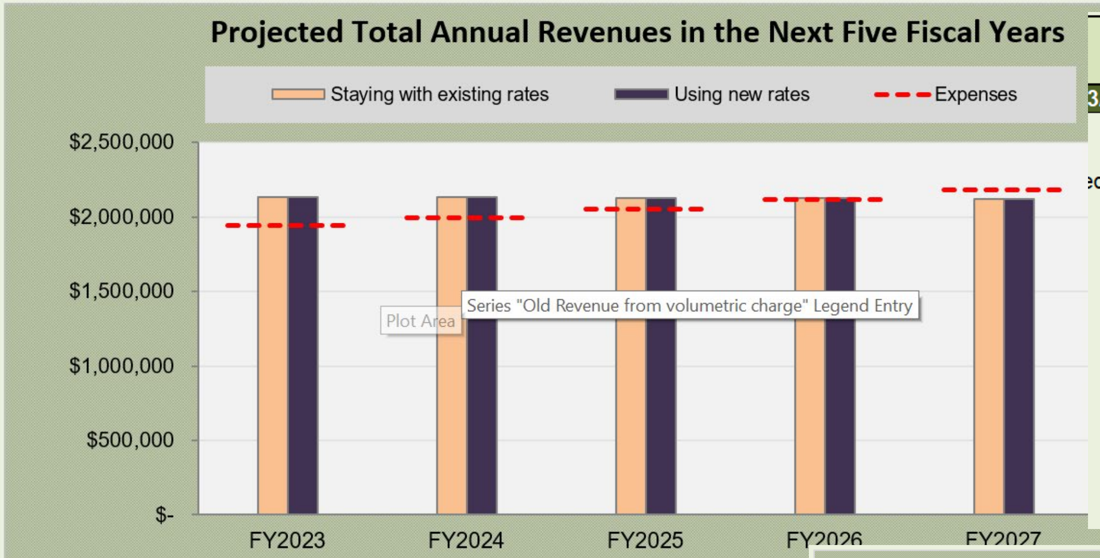
	FY2023	FY2024
Net revenues without changing rates (existing rates)	$495,311	$437,202
Net revenues after changing rates (new rates)	$495,311	$437,502

Note: Model predicts a net revenue of $213,974 when FY2021 consumption values were used. $281,337 delta similar to $199,302 difference in predicted vs. actual performance of last year’s model.



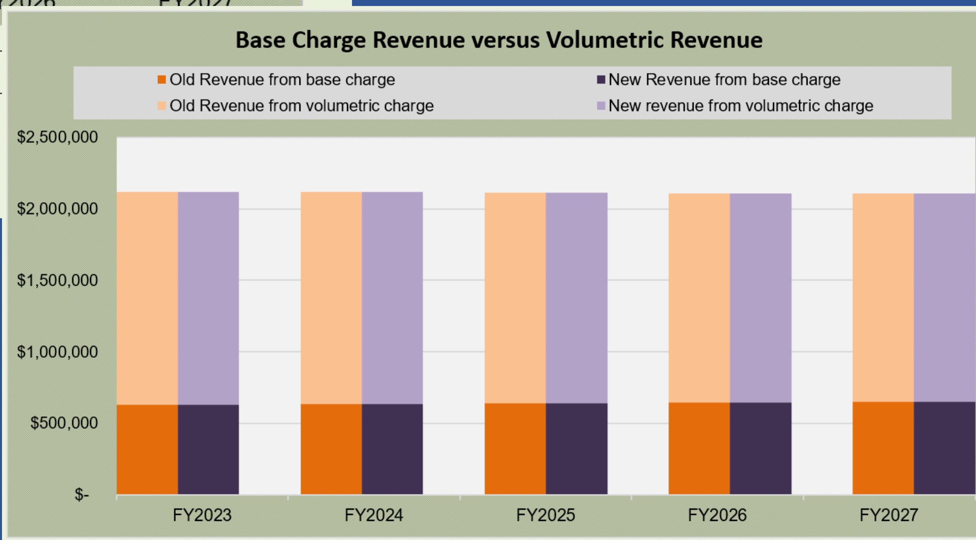
Proposed Water Rates

Results - Case 0_c, “17% reduced usage”



				Fiscal Year:	2022	FY2023
					Existing	New
3/4" Inside City Limits						
					$30.00	$30.00
ed with the base charge (gallons/month):					0	0
Block Start:		Block End:				
-	gal/mo	10,000	gal/mo		$2.82	$2.82
10,001	gal/mo	20,000	gal/mo		$4.75	$4.75
20,001	gal/mo	30,000	gal/mo		$6.71	$6.71
30,001	gal/mo	40,000	gal/mo		$8.72	$8.72
40,001	gal/mo	50,000	gal/mo		$10.76	$10.76
50,001	gal/mo	60,000	gal/mo		$12.85	$12.85
60,001	gal/mo	70,000	gal/mo		$14.97	$14.97
70,001	gal/mo	80,000	gal/mo		$17.14	$17.14
80,001	gal/mo	90,000	gal/mo		$19.35	$19.35
90,001	gal/mo	and beyond			$21.61	$21.61

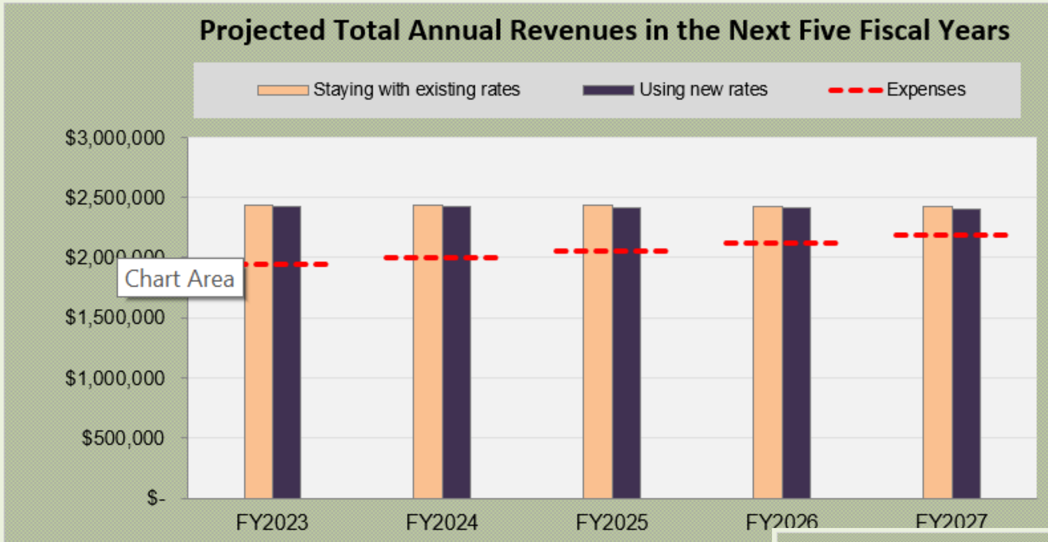
	FY2023	FY2024
Net revenues without changing rates (existing rates)	$190,714	$134,172
Net revenues after changing rates (new rates)	$190,714	$134,172



Note: Data since 2014 indicates +/- 17% consumption change from dry/hot to cool/wet years likely maximum variation.

Proposed Water Rates

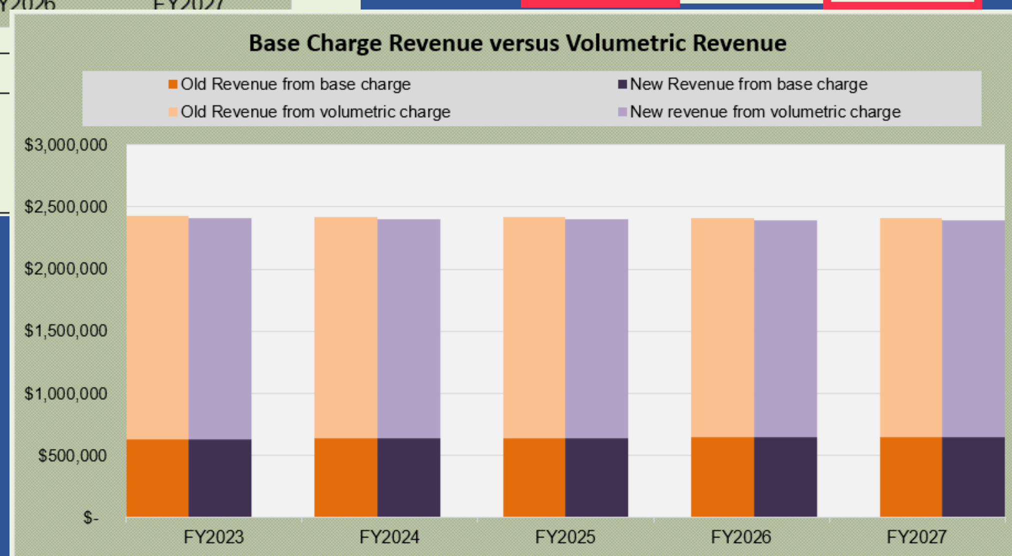
Results - Case 1; RO tier rates = RI, RI unchanged



3/4" Inside City Limits	
2022	FY2023
$30.00	$30.00
0	0
$2.82	$2.82
$4.75	$4.75
$6.71	$6.71
$8.72	$8.72
$10.76	$10.76
$12.85	$12.85
$14.97	$14.97
$17.14	$17.14
$19.35	$19.35
$21.61	$21.61

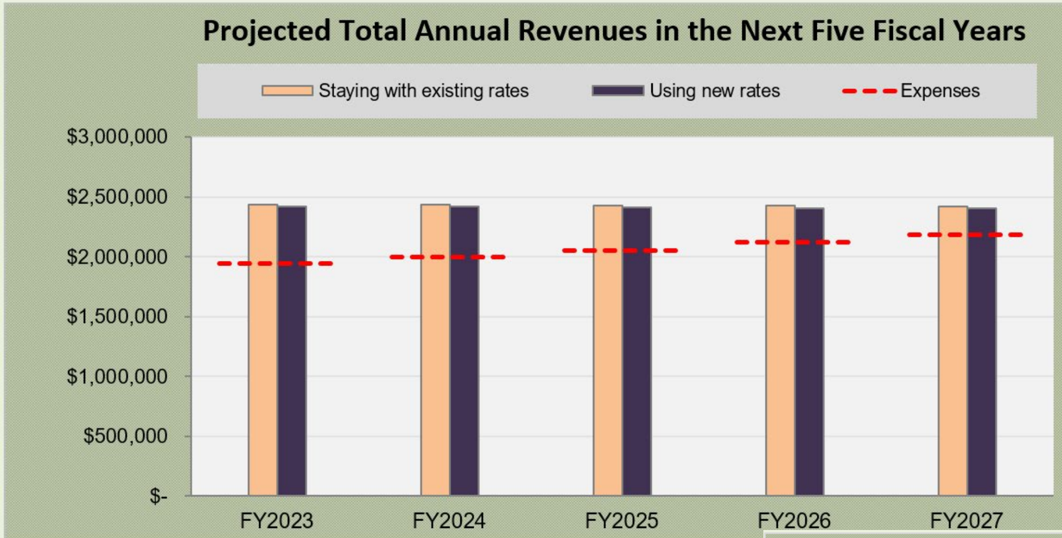
3/4' Outside City Limits	
FY2022	FY2023
$46.25	$46.25
0	0
$4.55	$2.82
$6.89	$4.75
$9.27	$6.71
$12.07	$8.72
$14.82	$10.76
$17.54	$12.85
$19.37	$14.97
$21.92	$17.14
$24.61	$19.35
$27.34	$21.61

	FY2023	FY2024
Net revenues without changing rates (existing rates)	$495,311	$437,202
Net revenues after changing rates (new rates)	$479,641	$421,689



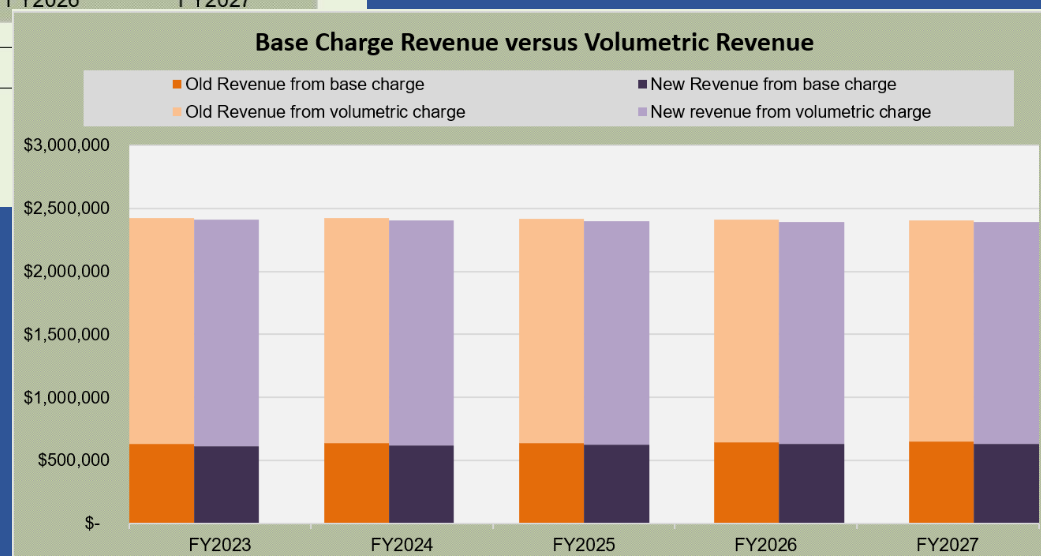
Proposed Water Rates

Results - Case 2; RO base rates = RI, RI unchanged



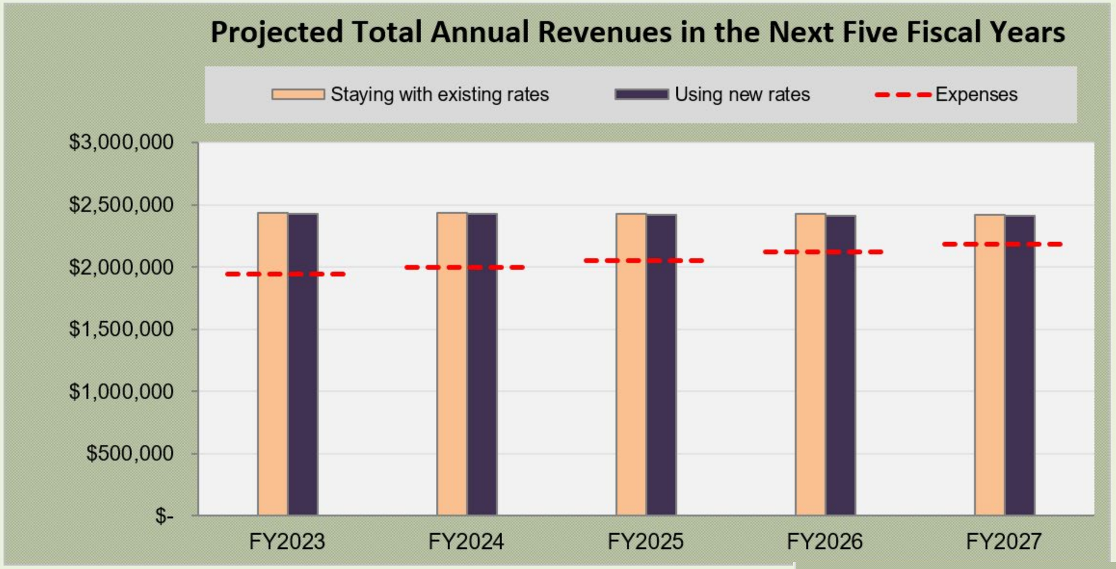
3/4" Inside City Limits		3/4' Outside City Limits	
2022	FY2023	2022	FY2023
$30.00	$30.00	$46.25	$30.00
0	0	0	0
$2.82	$2.82	$4.55	$4.55
$4.75	$4.75	$6.89	$6.89
$6.71	$6.71	$9.27	$9.27
$8.72	$8.72	$12.07	$12.07
$10.76	$10.76	$14.82	$14.82
$12.85	$12.85	$17.54	$17.54
$14.97	$14.97	$19.37	$19.37
$17.14	$17.14	$21.92	$21.92
$19.35	$19.35	$24.61	$24.61
$21.61	$21.61	$27.34	$27.34

	FY2023	FY2024
Net revenues without changing rates (existing rates)	$495,311	$437,202
Net revenues after changing rates (new rates)	$479,332	$421,220



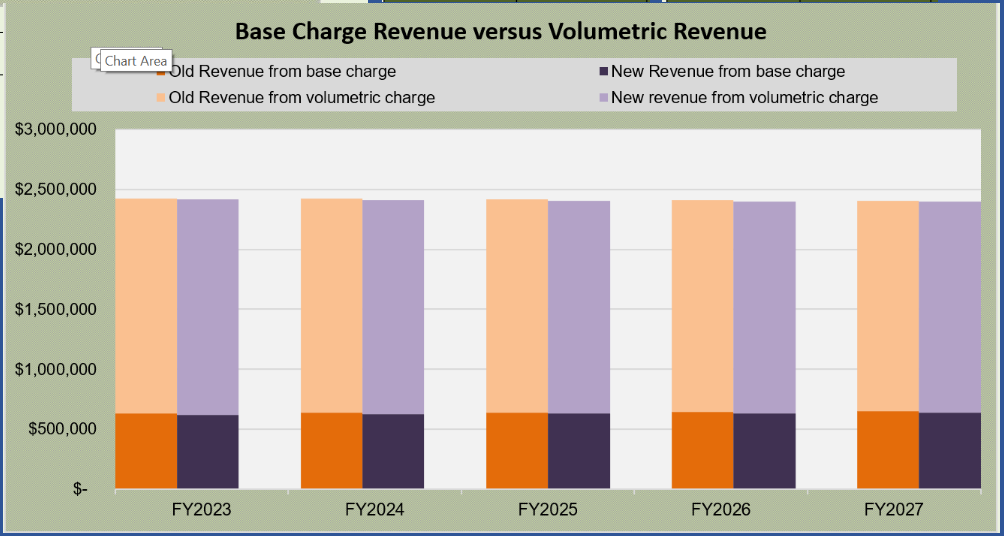
Proposed Water Rates

Results - Case 3; Reduce base rates $0.50



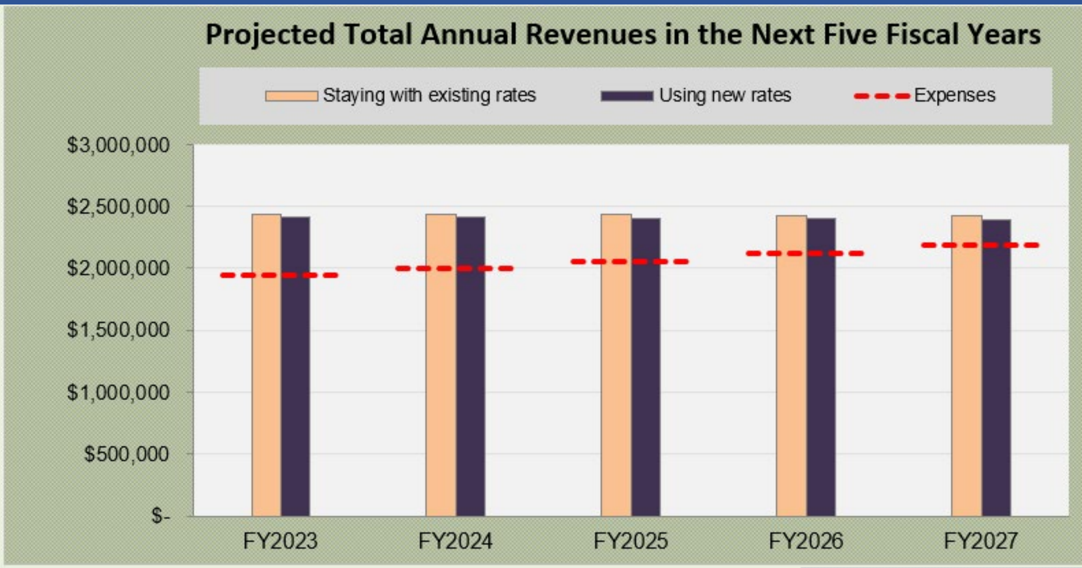
3/4" Inside City Limits		3/4' Outside City Limits	
2022	FY2023	2022	FY2023
Existing	New	Existing	New
$30.00	$29.50	$46.25	$45.75
0	0	0	0
$2.82	$2.82	$4.55	$4.55
$4.75	$4.75	$6.89	$6.89
$6.71	$6.71	$9.27	$9.27
$8.72	$8.72	$12.07	$12.07
$10.76	$10.76	$14.82	$14.82
$12.85	$12.85	$17.54	$17.54
$14.97	$14.97	$19.37	$19.37
$17.14	$17.14	$21.92	$21.92
$19.35	$19.35	$24.61	$24.61
$21.61	$21.61	$27.34	$27.34

	FY2023	FY2024
Net revenues without changing rates (existing rates)	$495,311	$437,202
Net revenues after changing rates (new rates)	$485,927	$427,743



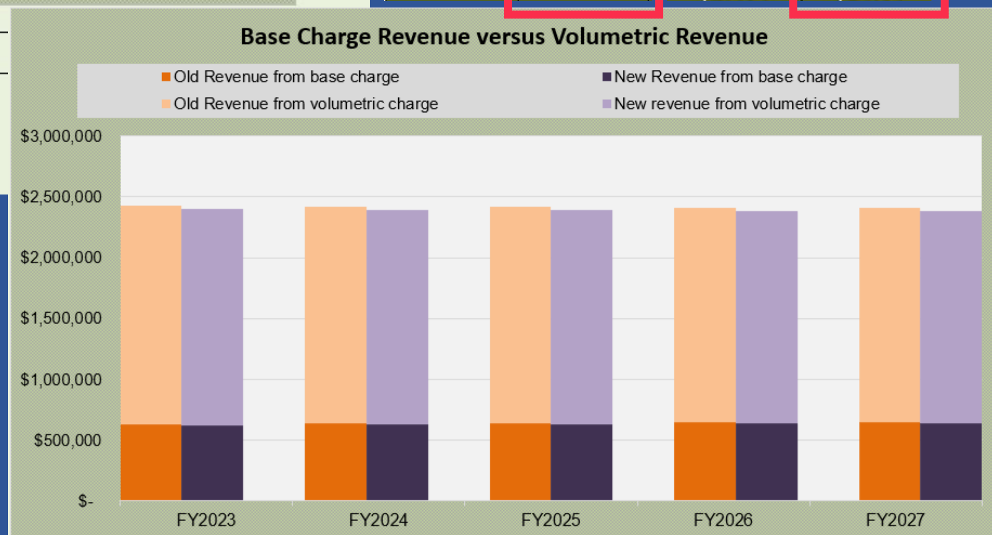
Proposed Water Rates

Results - Case 4; -$ 0.50 base rate, RO Tiers = RI



3/4" Inside City Limits		3/4' Outside City Limits	
2022 Existing	FY2023 New	2022 Existing	FY2023 New
$30.00	$29.50	$46.25	$45.75
0	0	0	0
$2.82	$2.82	$4.55	$2.82
$4.75	$4.75	$6.89	$4.75
$6.71	$6.71	$9.27	$6.71
$8.72	$8.72	$12.07	$8.72
$10.76	$10.76	$14.82	$10.76
$12.85	$12.85	$17.54	$12.85
$14.97	$14.97	$19.37	$14.97
$17.14	$17.14	$21.92	$17.14
$19.35	$19.35	$24.61	$19.35
$21.61	$21.61	$27.34	$21.61

	FY2023	FY2024
Net revenues without changing rates (existing rates)	$495,311	$437,202
Net revenues after changing rates (new rates)	$470,254	$412,227



Proposed Water Rates

Options - Case Study Results Summary

Options #	Remarks	Base Rate Increase (Decrease)	Tier 1 Range	% Increase to Tier Rates	Adjustment to RI/RO Rates	Buildup Reserve to "x" months of M&O	Buildup Reserve in "y" years	Net Income
0	No changes	$ -	0-10	0%	N/A	12	5	$ 495,311
0_b	FY21 consumption	$ -	0-10	0%	N/A	12	5	$ 213,974
0_c	17% reduced consumption	$ -	0-10	0%	N/A	12	5	$ 190,714
1	RI no change	$ -	0-10	0%	Tiers RO=RI	12	5	$ 479,641
2	RI no change	$ -	0-10	0%	Base RO=RI	12	5	$ 479,332
3	across board	$ (0.50)	0-10	0%	N/A	12	5	$ 485,927
4	combination	$ (0.50)	0-10	0%	Tiers RO=RI	12	5	$ 470,254

Proposed CY2023 Rate Structure

Case 0 – Staff and Sub-committee Recommendation

Base Rates		
Meter Size	**Inside City Limits**	**Outside City Limits**
3/4"	$ 30.00	$ 46.25
1"	$ 33.00	$ 49.25
1-1/2"	$ 52.50	$ 68.75
2"	$ 60.00	$ 76.25

No changes to rate structure for next year.

Volumetric Tier Rate Structure			
Start	**End**	**Inside City Limits**	**Outside City Limits**
1	10,000	$ 2.82	$ 4.55
10,001	20,000	$ 4.75	$ 6.89
20,001	30,000	$ 6.71	$ 9.27
30,001	40,000	$ 8.72	$ 12.07
40,001	50,000	$ 10.76	$ 14.82
50,001	60,000	$ 12.85	$ 17.54
60,001	70,000	$ 14.97	$ 19.37
70,001	80,000	$ 17.14	$ 21.92
80,001	90,000	$ 19.35	$ 24.61
90,001	and over	$ 21.61	$ 27.34

Proposed CY2023 Rate Structure

Staff and Sub-committee Rationale

- Water Department was at or near minimum reserves last year – significantly restructured rates
- Council set goal to achieve target reserve level within 5 years
  - 12 months O&M plus debt service
  - Due to dry, hot conditions revenues exceeded targets, but reserves still less than 12 months
- Risk of significant capital expenditures ahead
  - FM2252 utility relocation, repair/replace aging storage, replace older distribution lines – Master Plan in progress
- Market risks due to inflation
- Supply risks with rapid growth impacting area aquifers

"Stay the course" and re-evaluate next year

Overview

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  - Water Fund Expenditures
  - Water Fund Balance
- Proposed Water Rates
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- Discussion / Recommendation

Discussion of Options

Options #	Remarks	Base Rate Increase (Decrease)	Tier 1 Range	% Increase to Tier Rates	Adjustment to RI/RO Rates	Buildup Reserve to "x" months of M&O	Buildup Reserve in "y" years	Net Income
0	No changes	$ -	0-10	0%	N/A	12	5	$ 495,311
0_b	FY21 consumption	$ -	0-10	0%	N/A	12	5	$ 213,974
0_c	17% reduced consumption	$ -	0-10	0%	N/A	12	5	$ 190,714
1	RI no change	$ -	0-10	0%	Tiers RO=RI	12	5	$ 479,641
2	RI no change	$ -	0-10	0%	Base RO=RI	12	5	$ 479,332
3	across board	$ (0.50)	0-10	0%	N/A	12	5	$ 485,927
4	combination	$ (0.50)	0-10	0%	Tiers RO=RI	12	5	$ 470,254

- Cases and Results
- Sub-committee and Staff Recommendations
- Other Impacts to Consider
  - Need For Monthly Performance Data – Consumption, Expenses, Revenues
  - Potential changes to utility billing system to enhance data collection and analysis
  - Rate Review Process Improvements
- Water Commission Recommendation for Council?

Backup Slides

Benchmark Cities – Rate Structures

Area City Water Rate Overview – Oct 2022

		Alamo Heights*	Cibolo	Converse	Fair Oaks Ranch	Garden Ridge	New Braunfels	SAWS	Schertz	Selma	Shavano Park	Universal City
BASE RATES	One Base Rate		X							X		
	Base Rate covers 'X' gallons	0	1.2	0	6	0	0	0	0	2K	0	0
	Base Rate Vary by Meter Size	X			X	X	X	X	X		X	X
	Base Rate Varies by Inside or Outside City Limits			X		X		X	X			X
TIER RATES	Tier Rates for Inside or Outside City Limits			X		X		X	X			X
	Same Tier Rate Table for Inside & Outside City Limits	X	X				X			X	X	
	Commerical Rates Same as Residential			X		X						
	Tier Rates for Residential & Commerical				X							
	Tier Rates for off-peak & Peak seasons						X			X		
	Tier rate begins at	0	0	0	6	0	0	0	0	2	0	0
	Tier flat at X kgals	17	50	25	100	90	25	20	18	45	100	40
OTHER	Water Supply Fee**							X				
	Debt Service Fee				X						X	
	Capital Reserve Fee				X							
	Surface Water Fee				X							

* **Alamo Heights** - removed from analysis due rates were per 100 cubic feet

***SAWS Water Supply Fee** - directly funds the acquisition of new water supplies to reduce San Antonio's dependence on the Edwards Aquifer and shall be assessed to all potable water service.

Benchmark Cities – Cost Comparison

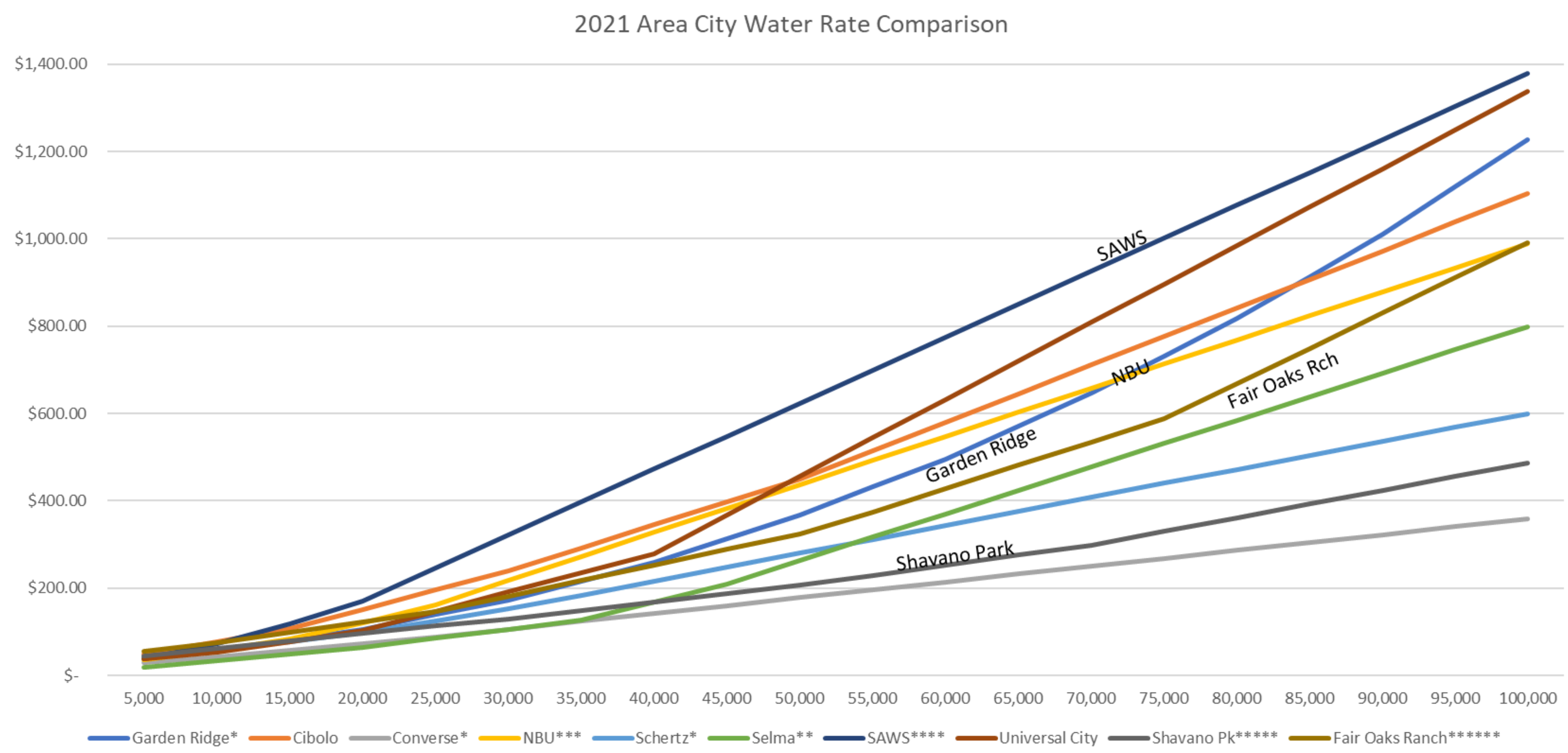
Inside Cities – FY2022 (as of 10/24/22)

Gallons	Selma**	Converse*	Garden Ridge*	Schertz*	Universal City	NBU***	SAWS****	Cibolo	Shavano Pk*****	Fair Oaks Rh******
1,000	$ 12.28	$ 17.76	**$ 32.82**	$ 28.18	$ 28.42	$ 29.04	$ 23.71	$ 26.26	$ 32.99	$ 55.36
2,000	$ 12.28	$ 20.52	**$ 35.64**	$ 31.75	$ 30.67	$ 30.91	$ 26.04	$ 32.01	$ 36.06	$ 55.36
3,000	$ 14.21	$ 23.28	**$ 38.46**	$ 35.32	$ 32.92	$ 32.78	$ 30.10	$ 37.76	$ 39.13	$ 55.36
4,000	$ 16.14	$ 26.04	**$ 41.28**	$ 38.89	$ 35.17	$ 34.65	$ 34.17	$ 43.51	$ 42.20	$ 55.36
5,000	**$ 18.07**	**$ 28.80**	**$ 44.10**	**$ 42.46**	**$ 37.42**	**$ 36.52**	**$ 37.31**	**$ 49.26**	**$ 45.27**	**$ 55.36**
10,000	**$ 33.90**	**$ 42.10**	**$ 58.20**	**$ 59.26**	**$ 54.18**	**$ 57.83**	**$ 72.76**	**$ 78.01**	**$ 62.27**	**$ 74.40**
15,000	**$ 49.10**	**$ 57.15**	**$ 81.95**	**$ 77.15**	**$ 76.33**	**$ 84.66**	**$ 118.08**	**$ 106.76**	**$ 79.27**	**$ 98.20**
20,000	$ 64.30	$ 72.20	**$ 105.70**	$ 99.73	$ 102.89	$ 121.61	$ 170.37	$ 151.26	$ 96.27	$ 122.00
25,000	$ 84.95	$ 87.85	**$ 139.25**	$ 125.23	$ 147.09	$ 162.19	$ 245.90	$ 195.76	$ 113.27	$ 145.80
30,000	$ 105.60	$ 105.90	**$ 172.80**	$ 152.03	$ 191.29	$ 217.29	$ 321.42	$ 240.26	$ 130.27	$ 181.50
35,000	$ 126.25	$ 123.95	**$ 216.40**	$ 184.03	$ 235.49	$ 272.39	$ 396.95	$ 292.51	$ 149.42	$ 217.20
40,000	$ 167.90	$ 142.00	**$ 260.00**	$ 216.03	$ 279.69	$ 327.49	$ 472.47	$ 344.76	$ 168.57	$ 252.90
45,000	$ 209.55	$ 160.05	**$ 313.80**	$ 248.03	$ 367.79	$ 382.59	$ 548.00	$ 397.01	$ 187.72	$ 288.60
50,000	**$ 263.15**	**$ 178.10**	**$ 367.60**	**$ 280.03**	**$ 455.89**	**$ 437.69**	**$ 623.52**	**$ 449.26**	**$ 206.87**	**$ 324.30**
55,000	$ 316.75	$ 196.15	**$ 431.85**	$ 312.03	$ 543.99	$ 492.79	$ 699.05	$ 514.66	$ 229.77	$ 374.32
60,000	$ 370.35	$ 214.20	**$ 496.10**	$ 344.03	$ 632.09	$ 547.89	$ 774.57	$ 580.06	$ 252.67	$ 427.92
65,000	$ 423.95	$ 232.25	**$ 570.95**	$ 376.03	$ 720.19	$ 602.99	$ 850.10	$ 645.46	$ 275.57	$ 481.52
70,000	$ 477.55	$ 250.30	**$ 645.80**	$ 408.03	$ 808.29	$ 658.09	$ 925.62	$ 710.86	$ 298.47	$ 535.12
75,000	$ 531.15	$ 268.35	**$ 731.50**	$ 440.03	$ 896.39	$ 713.19	$ 1,001.15	$ 776.26	$ 329.92	$ 588.72
80,000	$ 584.75	$ 286.40	**$ 817.20**	$ 472.03	$ 984.49	$ 768.29	$ 1,076.67	$ 841.66	$ 361.37	$ 669.07
85,000	$ 638.35	$ 304.45	**$ 913.95**	$ 504.03	$ 1,072.59	$ 823.39	$ 1,152.20	$ 907.06	$ 392.82	$ 749.42
90,000	$ 691.95	$ 322.50	**$ 1,010.70**	$ 536.03	$ 1,160.69	$ 878.49	$ 1,227.72	$ 972.46	$ 424.27	$ 829.77
95,000	$ 745.55	$ 340.55	**$ 1,118.75**	$ 568.03	$ 1,248.79	$ 933.59	$ 1,303.25	$ 1,037.86	$ 455.72	$ 910.12
100,000	**$ 799.15**	**$ 358.60**	**$ 1,226.80**	**$ 600.03**	**$ 1,336.89**	**$ 988.69**	**$ 1,378.77**	**$ 1,103.26**	**$ 487.17**	**$ 990.47**

*	Inside City Limits
**	Peak Rates
***	Peak Rates / 1" Meters
****	Included Water Supply Fee
*****	Included Debt Service Fee
******	Multiple Special Fees Included

Benchmark Cities – Cost Comparison

Inside Cities – FY2022 (as of 10/24/22)



Operating Results FY21

Forecast Model vs. Most Current Values

*Fund balance adj to incl req res contribution

** 1Q at prior year rates

Item	Model Forecast, $	FY2021 Amd Budget, $	Delta, $	EOY Utility Report, $
Revenue from Base Rates	568,605	-		565,369
Revenue from Volume Sales	1,254,871	-		1,042,467**
Total Revenue (adj for uncollected bills and fees)	1,821,653	1,779,400	(42,253) (2.3%)	1,633,236 est
M&O Expenses	1,048,623	1,052,492	3,869	-
Debt Service Expenses	663,355	663,355	-	-
Total Expenses	1,711,978	1,715,847	3,869	-
Net Revenue	109,675	63,553	(46,122)	-
-Req Reserve Contribution*	102,235	-	-	-
One-time Charge (AMI)	628,695	650,000	21,305	-
Gain (Loss) to Fund Balance	(519,020)	(586,447)	(67,427)	-
Fund Balance*	1,310,470	1,234,948	(75,522)	--
Months of Reserve***	7.1	6.5***	(0.6)	

***FY2022 Budget Debt Service $711,920, resulting in 6.0 months reserve

7.06 -- CUSTOMER AND NON-CUSTOMER COMPLAINTS.
Upon complaint to the Water Department, either at the Water Department office, by letter or by telephone, the Operations Manager will promptly make a suitable investigation and advise the complainant of the results. The manager may respond to the complainant in writing or by telephone. In either case, a written record of the complaint and disposition will be kept by the manager and reported monthly to the Water Commission. If the results are not to the complainant's satisfaction, the complainant may submit to the Water Department a written request to appear before the Water Commission. The complainant will be placed on the agenda of the next regular Water Commission meeting.

7.07 -- SERVICE AGREEMENT.
There must be a Service Agreement on file for each property that is connected to the Garden Ridge Water System. The agreement must be executed by the property owner, tenant, or agent for the property and by their signature agree to comply with the requirements of this Ordinance. Any property that was connected to the water system prior to its acquisition by the City of Garden Ridge is considered to have an agreement on file and through such agreement the property owner, tenant, or agent for the property agrees to the requirements of this Ordinance.

Failure by a property owner, tenant, or agent for a property connected to the Garden Ridge Water System to execute a Service Agreement, when required, shall results in refusal of service, disconnection of service and/or unauthorized connection to services.

Service Agreements are in "Appendix D" of this Ordinance.

7.08 -- PRIORITY OF SERVICE.
Priority of service will be in the order of: (1) Emergency Services (Cooperative effort only); (2) Residential in-home use; (3) Agricultural and livestock; (4) Industrial and Commercial; (5) Other.

7.09 -- OPERATING PRESSURES.
Minimum service pressure shall not be below 20 psi operating pressure. Maximum pressures may be at the Water Department's discretion. It will be the customer's responsibility to protect plumbing on the customer's side of the water meter against excessive pressures or surge using individual pressure regulators or other approved devices set forth in the State Plumbing Codes.

7.10 -- SERVICE AREAS.
The Water Department's service area is that area within which its lines and customers are located, and which area is approved by the Certificate of Convenience and Necessity issued by the Texas Water Commission. This area is located in Comal County, Texas, and includes the City of Garden Ridge, Texas, and the ETJ areas of the City of Garden Ridge, Texas, not serviced by another water system having possession of a valid Certificate of Convenience and Necessity to serve said areas.

Future Agenda Items
Water Commission

December 20, 2022 Regular Meeting

14 days before Meeting	(12/06/2022)	Water Commission and Staff items are due.
11 days before Meeting	(12/09/2022)	Water Commission Chair reviews agenda. City Attorney is sent agenda.
7 days before Meeting	(12/13/2022)	Post agenda on bulletin board. Water Commission receives packet (allowing a day for corrections/ request additional information be added)
5 days before Meeting	(12/15/2022)	Post agenda packet to City Website.
4 days before Meeting	(12/16/2022)	(72 hours) – Local Government Code requirement for posting

City Council = Red
Planning & Zoning = Green
Water Commission = Blue
Municipal Court = Dark Gray
City Holiday = Orange
City Event = Yellow (Tree Lighting)

Sun	Mon	Tues	Wed	Thur	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January 17, 2023 Regular Meeting

14 days before Meeting	(01/03/2023)	Water Commission and Staff items are due.
11 days before Meeting	(01/06/2023)	Water Commission Chair reviews agenda. City Attorney is sent agenda.
7 days before Meeting	(01/10/2023)	Post agenda on bulletin board. Water Commission receives packet (allowing a day for corrections/ request additional information be added)
5 days before Meeting	(01/12/2023)	Post agenda packet to City Website.
4 days before Meeting	(01/13/2023)	(72 hours) – Local Government Code requirement for posting

City Council = Red
Planning & Zoning = Green
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Sun	Mon	Tues	Wed	Thur	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

PENDING FUTURE AGENDA ITEMS