



City of Garden Ridge

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

AGENDA WATER COMMISSION REGULAR MEETING TUESDAY, APRIL 18, 2023, 6:00 PM

The Water Commission will meet in a regular session on Tuesday, April 18, 2023 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/Roll Call

2. Pledge of Allegiance

3. 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.

4. Business Items

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

- a. Approvals
 - 1. Approval of Minutes for January 17, 2023, 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 January, February, March and April City Council Regular Meetings.
3. Pumping and recovery study of City's water storage.

c. Recommendations

1. Request for water loss adjustment for 9902 Michelle Hill for the billing period of December 22, 2022 – January 23, 2023.
 - i. Review and make recommendation regarding the request.

d. Future Agenda Items

1. Commissioners input on agenda items.
2. Announce the date, time, and location for next meeting (May 16, 2023, at 6:00 p.m. at City Hall).

5. **Citizen Comment Period**

6. **Adjournment**

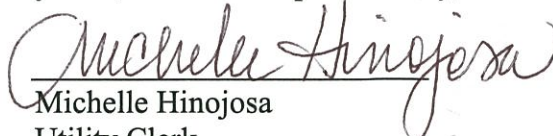
AGENDA NOTICES:

Decorum Required: 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.

Action by Commission Authorized: The Commission may vote or act upon any item within this Agenda.

Attendance By Other Elected or Appointed Officials: 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 8:30 a.m. on April 12, 2023, 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, JANUARY 17, 2023, 6:00 P.M.

Commissioners Present:

Chair James Mueller
Vice-Chair Keven Harshbarger
Commissioner Joseph Haltaman
Commissioner Dr. Richard Carmichael
Commissioner Don Stone
Commissioner William Pohl
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
Courtney Billi, Assistant City Secretary/Communications Specialist
Michelle Hinojosa, Utility Clerk
Steven Steinmetz, Public Works Director

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 6:00 p.m. on Tuesday, January 17, 2023, 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 November 15, 2022, Water Commission Regular Meeting.

Motion: A motion was made by Commissioner Stone, seconded by Commissioner Dr. Carmichael, to approve the minutes for the November 15, 2022, Water Commission Regular Meeting. The Commission voted five (5) 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 December 2022 and January 2023 City Council Meetings.

Chair Mueller updated the Commission on the items applicable to the Commission discussed at the December 2022 and January 2023 City Council Meetings.

c) Recommendations

1. Water Pressure Regulations.

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

Commissioner Haltaman spoke regarding Water Pressure Regulations. Steven Steinmetz, Public Works Director, answered questions from the Commission.

2. Drought Water Restrictions (Ordinance No. 61-082022).

i. Review and make possible recommendations on Drought Water Restrictions (Ordinance No. 61-082022).

Chair Mueller spoke regarding recommendations on Drought Management Plan, Ordinance No. 61-082022. The Commission discussed meeting with City Staff to gather additional information.

3. 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.

4. Ordinance No. 210-102022 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 recommendation and consideration for appointment of Water Commissioner Place 1, William Pohl, with term expiring September 30, 2024.

No action required at this time.

d) Future Agenda Items

1. Commissioners input on agenda items.

Commissioner Dr. Carmichael requested additional information related to funding in lieu of water rights and the Wastewater System.

Vice-Chair Harshbarger requested to schedule tours with Steven Steinmetz, Public Works Director, to receive information related to critical infrastructure (water well sites) and related security devices and measures.

2. Announce the date, time, and location for next meeting (Tuesday, February 21, 2023 at 6:00 p.m. at City Hall).

Chair Mueller announced the next Water Commission Regular Meeting will be held on Tuesday, February 21, 2023, at 6:00 p.m. at City Hall in the City Council Chambers.

6. Citizen Comment Period: None wished to speak.

7. Adjournment

Motion: A motion was made by Commissioner Dr. Carmichael, seconded by Commissioner Haltaman, to adjourn. The Commission voted five (5) for and none (0) opposed. The motion carried unanimously. There being no further business, the Tuesday, January 17, 2023, Water Commission Regular Meeting was adjourned at 6:36 p.m. by Chair Mueller.

ATTEST:

James Mueller
Chair

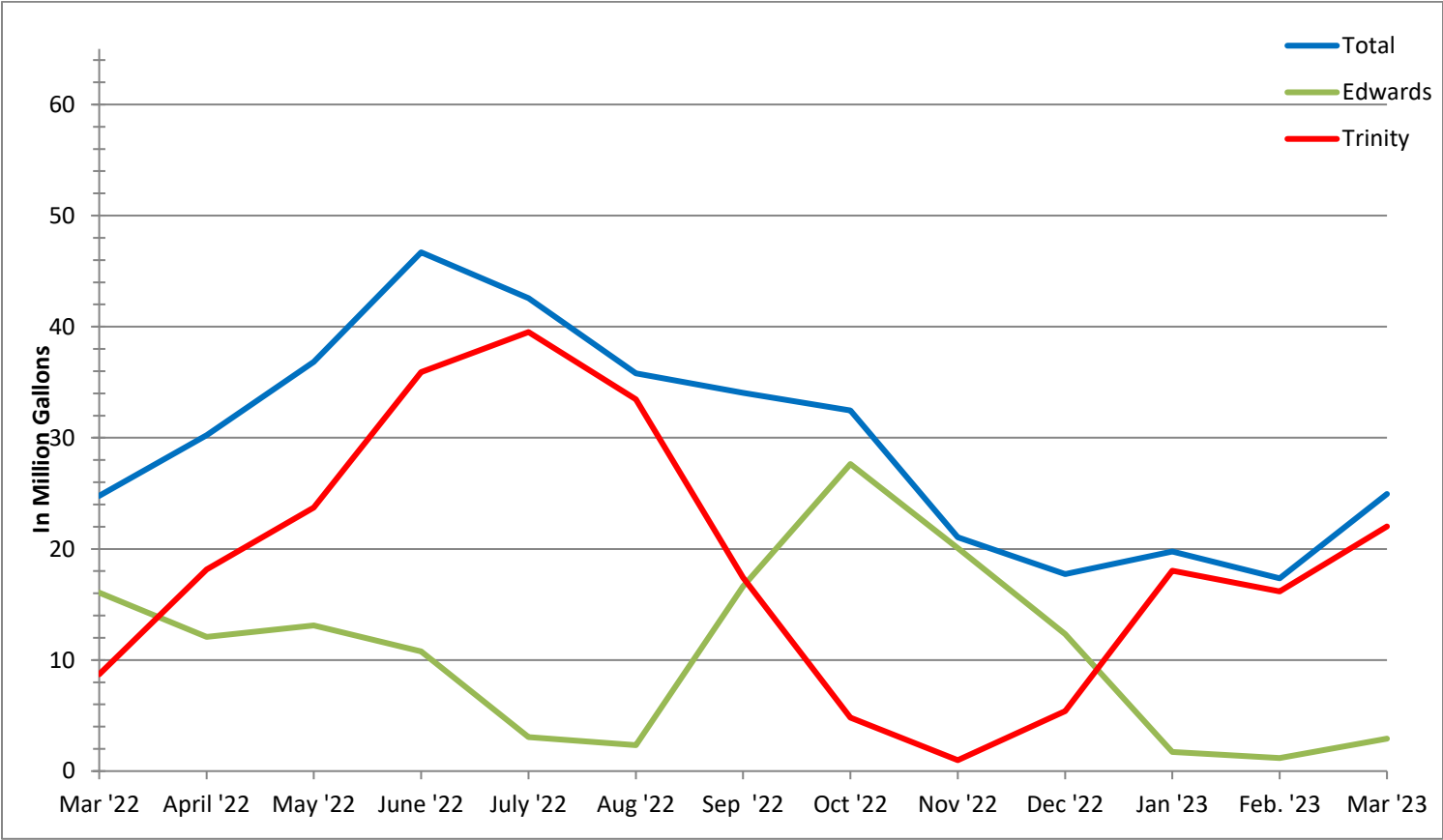
Michelle Hinojosa
Utility Clerk



Utilities Department Report

As of March 31, 2023

City of Garden Ridge Aquifer Usage

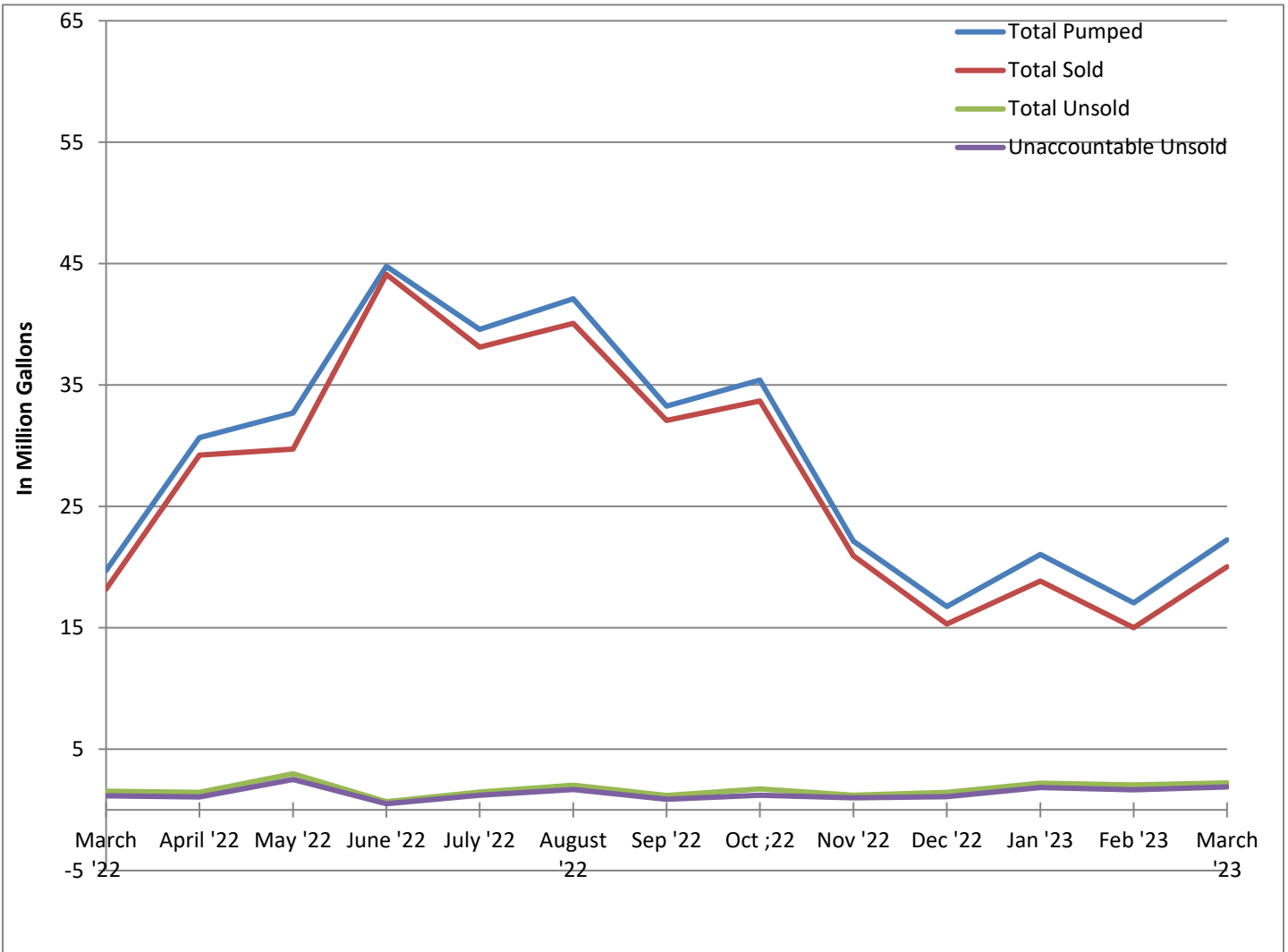


	Month:	Year:	Available:	Stage:
Edwards Well Usage AC/FT:	8.94	17.81	579.1	3
Trinity Well Usage AC/FT:	67.57	172.57	N/A	0

Water Quality

Backteriological Samples	Due :	Missed:	Passed:	Failed:
Distribution Samples :	6	0	6	0
Speacial Samples :	0	0	0	0
Chlorine Residual Test:	31	0	31	0

2022 – 2023 Pumping Report



	Total Pumped (Thousands)	Total Sold (Thousands)	Total Unsold (Thousands)	Unaccountable Unsold (Thousands)	Unaccountable Unsold %
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%
Nov '22	22,132	20,924	1,208	988	4.5%
Dec '22	16,749	15,305	1,444	1,094	6.5%
Jan '23	21,033	18,840	2,193	1,843	8.8%
Feb '23	17,052	15,007	2,045	1,645	9.6%
Mar '23	22,232	20,020	2,212	1,895	8.5%
Yearly Average	29,296	27,329	2,163	1,360	5.3%

Utilities Department Monthly Activities:

New Installed Meters	0	Work Orders	347
Meter Replacements	0	Locates	37
City Owned Leaks	2	Irrigations Permits Issued	0
Meters Read	1699	Total Rebates	1
Meter Tests	0		

AMI Information

	Feb.	Mar.		Feb.	Mar.		
Total AMI Notifications	754	1047	↑ 293	Abnormal Usage	120	224	↑ 104
Automatic Draft Customers	690	690	Same	Continuous Flow	110	93	↓ 17
AMI Customer Portal Profiles	749	752	↑ 3	Leak Info Code	130	115	↓ 15
E-Billing Customers	400	399	↓ 1	Usage Trend	36	96	↑ 60

Stage 2 restriction alerts

March alerts 519

Up 161 from February

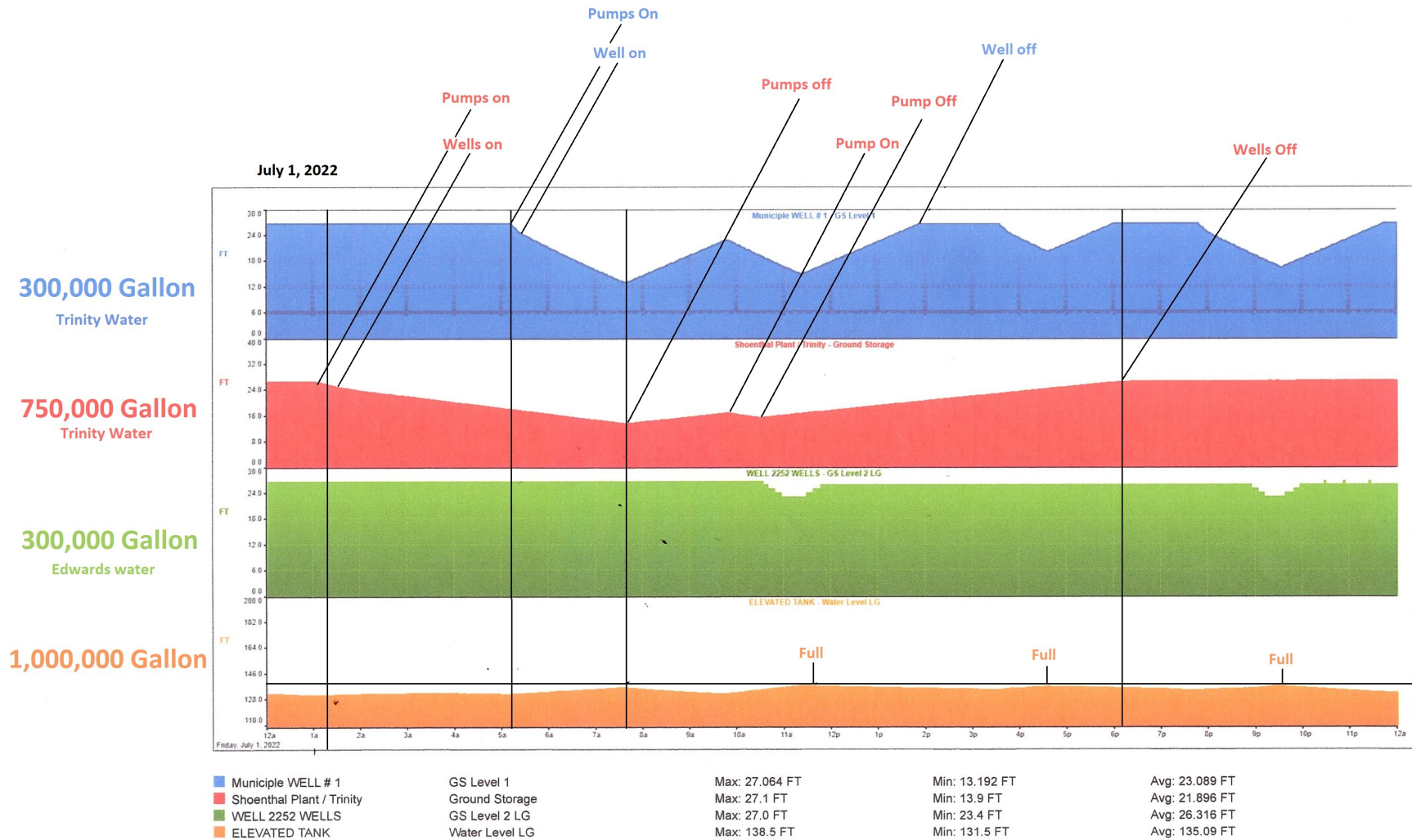
*Active Leak Info Code Alerts – The firmware on the meter is measuring the flow rate through the meter and will only be triggered if water is flowing continuously above the configurable parameter of the meter's max-flow rate threshold for 24 hours. The city has set a standard max-flow rate of .1% and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

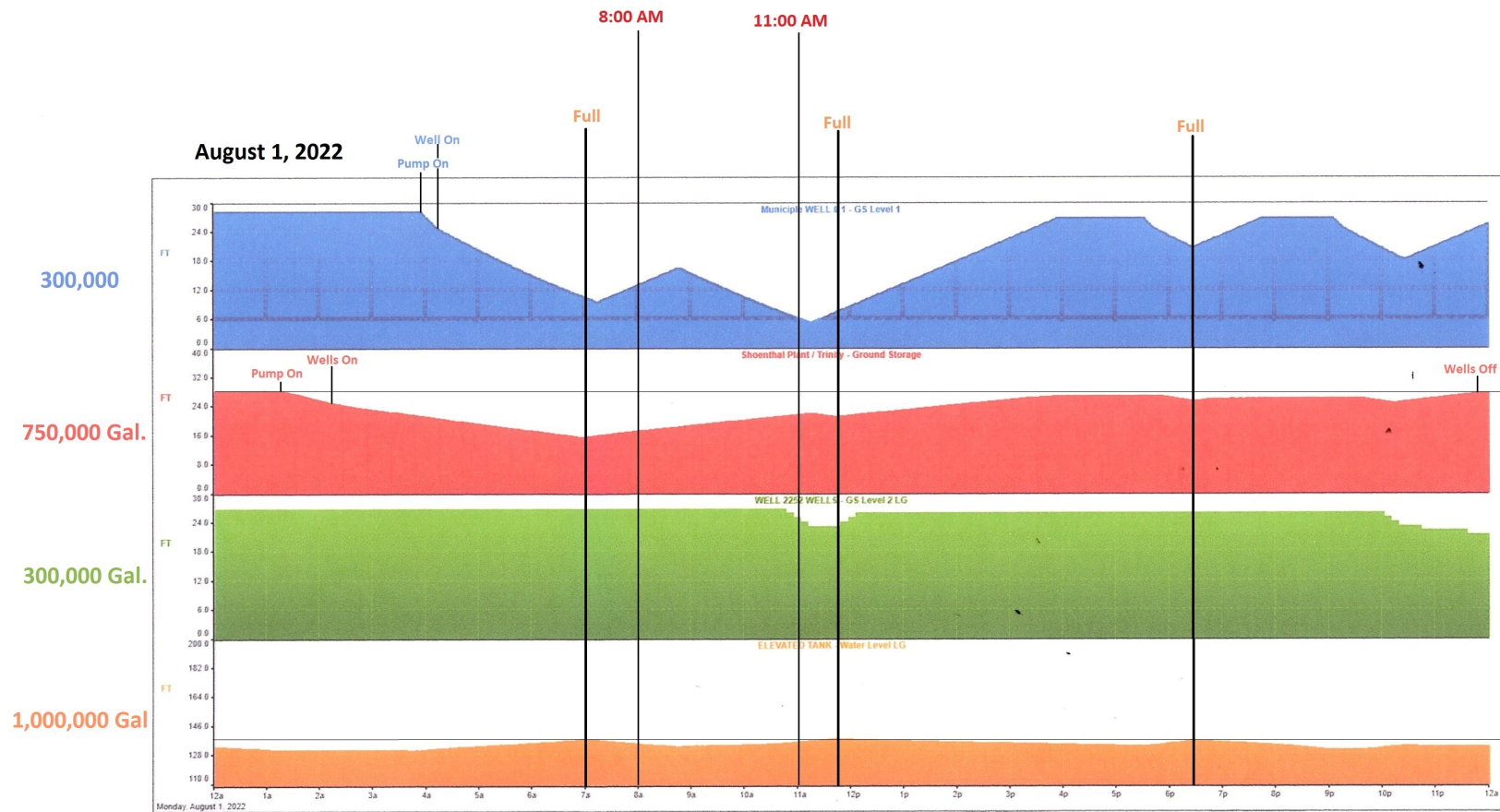
Leak Adjustments

New Requests	1	Waiting for Customer	2	Approved	1	Amount Approved	250	Denied	1	Sent to Water Commission	0
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Commissioners,

Here are some stacked charts taken from our SCADA system from July and August of last year when the state and our area was at its driest and we were limited as to what we could pump out of the Edwards Aquifer due to water restrictions. As you can see in the July chart, around 1 AM the pumps to the Schoenthal (RED) well site turn on to fill the 1,000,000 gallon elevated tank. After a while the Schoenthal wells will turn on to try to keep up with the demand. As you can see water gets pumped out a lot faster than it is pumped in. Then you will see that the pumps at the Municipal Well site (blue) will be called to turn on to help out with filling the 1,000,000 gallon elevated tank (Orange). The 1,000,000 gallon elevated tank reaches full around 7:40 AM and the Schoenthal pumps turn off leaving the well on to continue to fill the 750,000 gallon tank. As you can see it take some time to refill the 750,000 Schoenthal ground storage. While the Schoenthal tank refills we rely on using the Municipal well site during the day to keep up with the demand and use the 2252 well site (green) to top off the elevated tank. During the summer and while under water restrictions, we try to have the Schoenthal 750,000 gallon ground storage tank full before nightfall that way the motors can get some rest before the high demand starts after 12:00 AM when the sprinkler systems kick on. I believe moving the watering times from 7:00 AM to 11:00 AM would make it harder for our system to recover and leave no time for the equipment to rest.





■ Municipal WELL # 1
 ■ Shoenthal Plant / Trinity
 ■ WELL 2252 WELLS
 ■ ELEVATED TANK

GS Level 1
 Ground Storage
 GS Level 2 LG
 Water Level LG

Max: 28.56 FT
 Max: 28.6 FT
 Max: 27.0 FT
 Max: 138.6 FT

Min: 5.44 FT
 Min: 15.7 FT
 Min: 21.6 FT
 Min: 131.4 FT

Avg: 20.492 FT
 Avg: 23.545 FT
 Avg: 26.126 FT
 Avg: 134.66 FT

Future Agenda Items

Water Commission

May 16, 2023 Regular Meeting

14 days before Meeting	(05/02/2023)	Water Commission and Staff items are due.
11 days before Meeting	(05/05/2023)	Water Commission Chair reviews agenda. City Attorney is sent agenda.
7 days before Meeting	(05/09/2023)	Post agenda on bulletin board. Water Commission receives packet (allowing a day for corrections/request additional information be added)
5 days before Meeting	(05/11/2023)	Post agenda packet to City Website.
4 days before Meeting	(05/12/2023)	(72 hours) – Local Government Code requirement for posting

City Council = Red
 Planning & Zoning = Green
 Water Commission = Blue
 Municipal Court = Dark Gray
 City Holiday = Orange

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			

June 20, 2023 Regular Meeting

14 days before Meeting	(06/06/2023)	Water Commission and Staff items are due.
11 days before Meeting	(06/09/2023)	Water Commission Chair reviews agenda. City Attorney is sent agenda.
7 days before Meeting	(06/13/2023)	Post agenda on bulletin board. Water Commission receives packet (allowing a day for corrections/request additional information be added)
5 days before Meeting	(06/15/2023)	Post agenda packet to City Website.
4 days before Meeting	(06/16/2023)	(72 hours) – Local Government Code requirement for posting

City Council = Red
 Planning & Zoning = Green
 Water Commission = Blue
 Municipal Court = Dark Gray
 City Holiday = Orange

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	

PENDING FUTURE AGENDA ITEMS