



City of Garden Ridge

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

AGENDA
WATER COMMISSION
REGULAR MEETING
TUESDAY, JULY 24, 2018 -- 6:00 P.M.

The Water Commission will meet in a regular meeting at 6:00 p.m., Tuesday, July 24, 2018 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 on July 20, 2018 before 5:00 p.m., providing time, place, date and agenda thereof. The meeting facility is wheelchair accessible and accessible parking spaces are provided. Requests for accommodations or interpretive services must be made 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 Water 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 follow these guidelines:

- a) Respect and courtesy:
 - i. Direct your comments to the entire Commission, not to an individual member, nor to the audience.
 - ii. Show the Commission the same respect that you would like to be shown.
 - iii. End your speaking at the time allotted below.
- b) Speaking:
 - i. First citizen comment period
 - a. You are required to sign up to speak.
 - b. You are limited to one 3 minute period.
 - ii. Business item period
 - a. You are required to sign up to speak.
 - b. You are limited to one 3 minute period.
 - iii. Second citizen comment period
 - a. You are not required to sign up.
 - b. You are limited to one 2 minute period.
 - iv. State your name and address before your comments begin.
 - v. 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 Commission 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 Committee may discuss, consider and/or take possible action on the following items:

a) Approvals

- i. Approval of Minutes for May 22, 2018 Water Commission Regular Meeting.

b) Recommendations

- i. Request for water bill adjustment for 21908 Senna Hills for billing periods of May 23, 2018 – June 23, 2018.
 1. Review and make a recommendation to City Council regarding the bill.

c) Updates/ Reviews

- i. Update on Water Rate Study.

d) Discussions/Reports

- i. Water Manager Monthly Activity Report
Water pumping/usage from City wells, Water system infrastructure maintenance, repairs and/or projects, and Water and/or Drought Management (current Watering Stage).
- ii. Education/Training Sessions.
 1. Discuss and provide directions of possible education or training sessions.
- iii. Items discussed at the July 5, 2018 City Council Regular Meetings.
- iv. Discussion of Future Agenda Items
 1. Announce date, time and location for next meeting (August 28, 2018 at 6 p.m. in City Hall – City Council Chambers).

6. Citizen's Participation: - 20 minute limit total.

See "Rules for Citizen's Participation" under Item 4.

7. 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 Council Authorized:

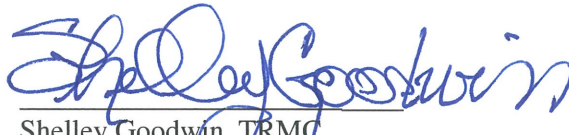
The Council may vote or act upon any item within this Agenda. The Council reserves the right to adjourn into closed session at any time during the course of this meeting to discuss any of the matter listed below, as authorized by Title 5, Chapter 55, of the Texas Government Code.

Executive Sessions Authorized:

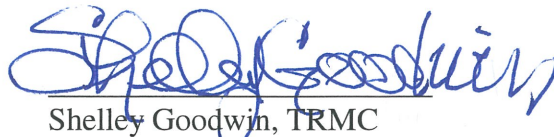
This agenda has been reviewed and approved by the City's legal counsel and the presence of any subject in any Executive Session portion of the agenda constitutes a written interpretation of Texas Government Code Chapter 551 by legal counsel for the governmental body and constitutes an opinion by the attorney that the items discussed therein may be legally discussed in the closed portion of the meeting considering available opinions of a court of record and opinions of the Texas Attorney General known to the attorney. This provision has been added to this agenda with the intent to meet all elements necessary to satisfy Texas Government Code Chapter 551.144(c) and the meeting is conducted by all participants in reliance on this opinion.

Attendance By Other Elected or Appointed Officials:

It is anticipated that members of the 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.


Shelley Goodwin, TRMC
City Secretary

This is to certify that I, Shelley Goodwin, posted this Agenda at 10:35 a.m. July 18, 2018 on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.


Shelley Goodwin, TRMC
City Secretary



City of Garden Ridge

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

MINUTES OF CITY WATER COMMISSION **REGULAR MEETING** **MAY 22, 2018**

Members Present:

Chairman David Heier
Vice-Chairman Richard Holloway
Commissioner Keven Harshbarger
Commissioner Ray Pitzen
Mayor Larry Thompson, ex-officio

Member Absent:

Commissioner Andre Bullard (Voluntary and Announced Absence)
Commissioner vacant position

City Staff Present:

Nancy Cain, City Administrator
Royce Goddard, Water Department Manager
Shelley Goodwin, City Secretary

1. Call to Order

With a quorum of the City Water Commission present, Chair Heier called the regular meeting of the Garden Ridge City Water Commission to order at 6:00 p.m. on Tuesday, May 22, 2018 in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Citizen's Participation –limited to 30 minutes

No one signed up to speak.

3. Business Items

The City Water Commission may discuss, consider and/or take possible action for recommendation to the City Council on the following:

a) Approvals

i. Approval of Minutes for March 27, 2018 Water Commission Regular Meeting.

Motion: A motion was made by Vice Chair Holloway, seconded by Commissioner Harshbarger, to approve the minutes of March 27, 2018, Water Commission Regular Meeting. The Water Commission voted three (3) for and none (0) opposed. The motion passed unanimously.

b) Recommendations

i. Request for water bill adjustment for leak occurring on City's equipment at 8729 Garden Ridge Dr. for billing periods of December 19, 2017 - January 23, 2018, January 23, 2018 - February 22, 2018, February 22, 2018 - March 23, 2018, and March 23, 2018 - April 23, 2018.

a. Review and make a recommendation to City Council regarding the bill.

Royce Goddard, Water Manager, reviewed the history of the account and equipment at 8729 Garden Ridge Dr.

Nancy Cain, City Administrator, reviewed Ordinance 54 and stated City staff is requesting the Water Commission recommend to City Council the adjustment of water bills for 8729 Garden Ridge Dr. for the billing periods of December 19, 2017 - April 23, 2018 in the amount of \$2,230.93. She stated this would make the monthly bills for four months at \$23 each month.

The Water Commission discussed the leak, City equipment that malfunctioned and Ordinance 54.

Mayor Thompson reviewed Ordinance 54 and leak adjustment requirements. He stated since this leak was caught after the water bills were sent out and for transparency the recommendation to adjust the bill would need to come to the Water Commission.

Motion: A motion was made by Commissioner Pitzen, seconded by Commissioner Harshbarger, to recommend to City Council the approval of a water bill adjustment for the address of 8729 Garden Ridge Dr. for the billing period of December 19, 2017 – April 23, 2018 to be reduced by \$2,230.93. The Water Commission voted three (3) for and none (0) opposed. The motion passed unanimously.

c) Updates/ Reviews

i. Update on Water Rate Study.

Mayor Thompson stated the City has met with the Auditors and Engineers and received the answers to many questions. He stated the Water Department is being fully loaded with their expenses, so now the City can move forward with a Water Rate Study. He also stated the City is conducting some analysis ourselves to reduce the cost of the study and then the study will go out for bids.

d) Discussions/Reports

i. Water Manager Monthly Activity Report

Water pumping/usage from city wells, Water system infrastructure maintenance, repairs and/or projects, and Water and/or Drought Management (current Watering Stage)

a. Discussion on well maintenance scheduling, what maintenance was preformed and cost of maintenance (Heier).

Royce Goddard, Water Manager reviewed the monthly water pumping/usage from the city wells and discussed the water system operations (see attached report). He reported 6.66 acre feet were pumped from the Edwards Aquifer and 82.39 acre feet were pumped from the Trinity in April. He also reviewed the Static Levels and reported the following:

- City is currently not under any watering restrictions.
- TCEQ conducted inspections of City well sites and the City passed without any discrepancies.
- FM 3009 Well Site is almost totally fenced in, chlorine can be added to the water and then the water can be added in the available water usage for pumping.
- Water service calls for leaks that occurred at CIP Projects sites were due to over tightening of joints, all expenses will be charged back to the contractor.
- Breaker has been tripping at the FM2252 Well Site and an electrician was called out to repair the problem.

The Water Commission discussed the FM 3009 Well Site and the water service calls for leaks that occurred on some of CIP projects. The Commission also discussed Watering Stages.

Mayor Thompson stated even though Edwards has gone into Stage 1, the Garden Ridge water supply and demand is still balanced. He stated the usage and water levels will continue to be monitored.

ii. Education/Training Sessions.

Chair Heier stated he is still researching to see if AACOG will be conducting some type of water education class. He also reminded the Commissioners that they need to attend two City Council Meetings a year.

iii. Items discussed at the April 4, 2018 and May 2, 2018 City Council Regular Meetings.

Nancy Cain, City Administrator, stated at the April 4, 2018 City Council Regular Meeting the City Council approved the Water Commission's recommendation to deny Tony Overman's water leak adjustment. She also stated the Water Commission did not have an item on the City Council Regular Meeting held on May 2, 2018.

Chair Heier stated due to a Staff error in the billing, Mr. Overman actually did get a reduction with his leak.

Mayor Thompson stated it wasn't a Staff error. In fact, the software company was asked to increase rate at the different usage levels, but they only computerized the first usage level and not the subsequent levels. He stated when Staff was looking at the figures they caught the mistake and contacted the software company.

iv. Discussion of Future Agenda Items

a. Set date, time and location for next meeting (June 26, 2018 at 6 p.m. in City Hall – City Council Chambers).

Chair Heier announced the next meeting will be held on June 26, 2018 at 6 p.m. in City Hall – City Council Chambers, if necessary.

The Water Commission did not add any items to future agendas.

4. Citizen Participation – 3 minute limit per citizen

No one wished to speak.

5. Adjourn

Motion to adjourn was made by Vice Chair Holloway and seconded by Commissioner Pitzen. The motion passed unanimously and the meeting adjourned at 6:33 p.m.

David Heier, Chair

ATTEST:

Shelley Goodwin, TRMC
City Secretary

July 6th, 2018

Sang Eon Ha
21908 Senna Hills Garden Ridge
San Antonio TX 78266
(210)823-4591 / [REDACTED]

To whom it may concern:

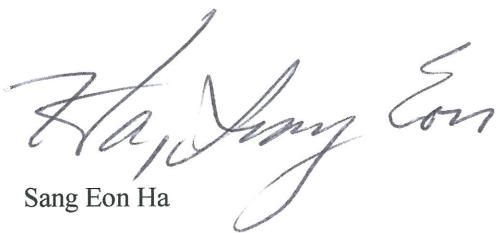
I am writing to address the excessively elevated water bill during the period of my traveling abroad.

We traveled to South Korea from May 22nd to June 13th and we checked everything such as door, electricity and water faucet before we left. When we came back, we've noticed that the water faucet outside of the house was on. We assumed that someone had used our water and left without closing it. Due to this issue, my water bill is \$1769.03 (period: 5/23 – 6/23) , which is more than ten times as much as my previous bill.

I am willing to pay for this bill because this is my property but it is too much for me to afford it. So I would like your company management to consider this case and adjust my bill to the reasonable amount.

I am so sorry for this situation happened even though we confirmed everything to avoid this happening. We look forward your kind consideration.

Sincerely,



Sang Eon Ha

Account Number												
										Fuel	Demand	
Bill Date	Tno	From	To	Days	Consumption	Consumption	Total Bill	Bill Amount	Tax	Adjustment	Amount	Tax
06/30/2018	723	05/23/2018	06/22/2018	30	140	0.0000	1,738.45	1,738.45	0.00	0.00	0.00	0.00
05/31/2018	725	04/23/2018	05/23/2018	30	26	0.0000	92.39	92.39	0.00	0.00	0.00	0.00
04/30/2018	727	03/23/2018	04/23/2018	31	25	0.0000	86.70	86.70	0.00	0.00	0.00	0.00
03/31/2018	729	02/22/2018	03/23/2018	29	3	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
02/28/2018	731	01/23/2018	02/22/2018	30	2	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
01/31/2018	733	12/19/2017	01/23/2018	35	5	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
12/31/2017	735	11/21/2017	12/19/2017	28	3	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
11/30/2017	737	10/23/2017	11/21/2017	29	11	0.0000	37.40	37.40	0.00	0.00	0.00	0.00
10/31/2017	739	09/22/2017	10/23/2017	31	9	0.0000	32.60	32.60	0.00	0.00	0.00	0.00
09/30/2017	741	08/23/2017	09/22/2017	30	26	0.0000	92.39	92.39	0.00	0.00	0.00	0.00
08/31/2017	743	07/24/2017	08/23/2017	30	56	0.0000	321.77	321.77	0.00	0.00	0.00	0.00
07/31/2017	745	06/23/2017	07/24/2017	31	61	0.0000	375.62	375.62	0.00	0.00	0.00	0.00
06/30/2017	747	05/23/2017	06/23/2017	31	39	0.0000	173.88	173.88	0.00	0.00	0.00	0.00
05/31/2017	749	04/24/2017	05/23/2017	29	24	0.0000	82.73	82.73	0.00	0.00	0.00	0.00
04/30/2017	752	03/23/2017	04/24/2017	32	24	0.0000	82.73	82.73	0.00	0.00	0.00	0.00
03/31/2017	754	02/22/2017	03/23/2017	29	2	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
02/28/2017	756	01/23/2017	02/22/2017	30	5	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
01/31/2017	758	12/21/2016	01/23/2017	33	7	0.0000	27.80	27.80	0.00	0.00	0.00	0.00
12/31/2016	760	11/21/2016	12/21/2016	30	9	0.0000	32.60	32.60	0.00	0.00	0.00	0.00
11/30/2016	762	10/24/2016	11/21/2016	28	18	0.0000	58.91	58.91	0.00	0.00	0.00	0.00
10/31/2016	764	09/23/2016	10/24/2016	31	35	0.0000	143.60	143.60	0.00	0.00	0.00	0.00
09/30/2016	766	08/23/2016	09/23/2016	31	16	0.0000	50.97	50.97	0.00	0.00	0.00	0.00
08/31/2016	768	07/22/2016	08/23/2016	32	44	0.0000	211.73	211.73	0.00	0.00	0.00	0.00
07/31/2016	770	06/23/2016	07/22/2016	29	37	0.0000	158.74	158.74	0.00	0.00	0.00	0.00
06/30/2016	772	05/23/2016	06/23/2016	31	24	0.0000	82.73	82.73	0.00	0.00	0.00	0.00
05/31/2016	774	04/22/2016	05/23/2016	31	28	0.0000	103.77	103.77	0.00	0.00	0.00	0.00
04/30/2016	776	03/23/2016	04/22/2016	30	28	0.0000	103.77	103.77	0.00	0.00	0.00	0.00
03/31/2016	780	02/23/2016	03/23/2016	29	6	0.0000	25.40	25.40	0.00	0.00	0.00	0.00
02/29/2016	782	01/22/2016	02/23/2016	32	4	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
01/31/2016	784	12/21/2015	01/22/2016	32	4	0.0000	23.00	23.00	0.00	0.00	0.00	0.00
12/31/2015	786	11/19/2015	12/21/2015	32	7	0.0000	27.80	27.80	0.00	0.00	0.00	0.00
11/30/2015	788	10/23/2015	11/19/2015	27	9	0.0000	32.60	32.60	0.00	0.00	0.00	0.00
10/31/2015	790	09/23/2015	10/23/2015	30	33	0.0000	102.22	102.22	0.00	0.00	0.00	0.00
09/30/2015	794	08/24/2015	09/23/2015	30	42	0.0000	151.88	151.88	0.00	0.00	0.00	0.00
08/31/2015	796	07/23/2015	08/24/2015	32	62	0.0000	298.20	298.20	0.00	0.00	0.00	0.00
07/31/2015	798	06/23/2015	07/23/2015	30	20	0.0000	51.80	51.80	0.00	0.00	0.00	0.00
06/25/2015	800	05/22/2015	06/23/2015	32	32	0.0000	97.83	97.83	0.00	0.00	0.00	0.00
05/31/2015	802	04/23/2015	05/22/2015	29	29	0.0000	84.66	84.66	0.00	0.00	0.00	0.00
04/30/2015	804	03/23/2015	04/23/2015	31	27	0.0000	75.88	75.88	0.00	0.00	0.00	0.00
03/31/2015	806	02/20/2015	03/23/2015	31	16	0.0000	39.56	39.56	0.00	0.00	0.00	0.00
02/28/2015	808	01/23/2015	02/20/2015	28	2	0.0000	18.00	18.00	0.00	0.00	0.00	0.00
01/31/2015	810	12/19/2014	01/23/2015	35	7	0.0000	21.70	21.70	0.00	0.00	0.00	0.00
12/30/2014	812	11/20/2014	12/19/2014	29	8	0.0000	23.55	23.55	0.00	0.00	0.00	0.00
11/30/2014	814	10/23/2014	11/20/2014	28	27	0.0000	75.88	75.88	0.00	0.00	0.00	0.00
10/31/2014	816	09/23/2014	10/23/2014	30	26	0.0000	71.49	71.49	0.00	0.00	0.00	0.00
09/30/2014	818	08/22/2014	09/23/2014	32	29	0.0000	84.66	84.66	0.00	0.00	0.00	0.00
08/31/2014	820	07/23/2014	08/22/2014	30	31	0.0000	93.44	93.44	0.00	0.00	0.00	0.00
07/31/2014	822	06/23/2014	07/23/2014	30	29	0.0000	84.66	84.66	0.00	0.00	0.00	0.00
06/30/2014	824	05/22/2014	06/23/2014	32	27	0.0000	75.88	75.88	0.00	0.00	0.00	0.00
05/31/2014	826	04/23/2014	05/22/2014	29	17	0.0000	42.62	42.62	0.00	0.00	0.00	0.00
04/30/2014	828	03/24/2014	04/23/2014	30	28	0.0000	74.25	74.25	0.00	0.00	0.00	0.00
03/31/2014	830	02/21/2014	03/24/2014	31	38	0.0000	114.75	114.75	0.00	0.00	0.00	0.00
02/28/2014	832	01/23/2014	02/21/2014	29	16	0.0000	38.25	38.25	0.00	0.00	0.00	0.00
01/31/2014	834	12/23/2013	01/23/2014	31	6	0.0000	19.75	19.75	0.00	0.00	0.00	0.00
12/31/2013	836	11/21/2013	12/23/2013	32	4	0.0000	18.00	18.00	0.00	0.00	0.00	0.00
11/30/2013	838	10/23/2013	11/21/2013	29	3	0.0000	18.00	18.00	0.00	0.00	0.00	0.00
10/31/2013	840	09/23/2013	10/23/2013	30	3	0.0000	18.00	18.00	0.00	0.00	0.00	0.00
09/30/2013	842	08/23/2013	09/23/2013	31	22	0.0000	54.75	54.75	0.00	0.00	0.00	0.00
08/31/2013	844	07/23/2013	08/23/2013	31	60	0.0000	239.25	239.25	0.00	0.00	0.00	0.00
07/31/2013	846	06/21/2013	07/23/2013	32	45	0.0000	148.00	148.00	0.00	0.00	0.00	0.00

Date	Time	Consumption
6/23/2018	10:40 AM	0.00
6/23/2018	9:40 AM	0.00
6/23/2018	8:40 AM	0.00
6/23/2018	7:40 AM	0.00
6/23/2018	6:40 AM	0.00
6/23/2018	5:40 AM	0.00
6/23/2018	4:40 AM	0.00
6/23/2018	3:40 AM	268.44
6/23/2018	2:40 AM	1,027.43
6/23/2018	1:40 AM	820.02
6/23/2018	12:40 AM	756.79
6/22/2018	11:40 PM	204.03
6/22/2018	10:40 PM	546.32
6/22/2018	9:40 PM	623.36
6/22/2018	8:40 PM	793.71
6/22/2018	7:40 PM	765.24
6/22/2018	6:40 PM	743.91
6/22/2018	5:40 PM	943.11
6/22/2018	4:40 PM	872.59
6/22/2018	3:39 PM	551.57
6/22/2018	2:39 PM	0.00
6/22/2018	1:39 PM	0.00
6/22/2018	12:39 PM	0.00
6/22/2018	11:39 AM	0.00
6/22/2018	10:39 AM	0.00
6/22/2018	9:39 AM	0.13
6/22/2018	8:39 AM	5.72
6/22/2018	7:39 AM	1.39
6/22/2018	6:39 AM	0.00
6/22/2018	5:39 AM	492.75
6/22/2018	4:39 AM	1,008.36
6/22/2018	3:39 AM	1,182.67
6/22/2018	2:39 AM	739.62
6/22/2018	1:39 AM	0.00
6/22/2018	12:39 AM	0.00
6/21/2018	11:39 PM	14.68
6/21/2018	10:39 PM	0.00
6/21/2018	9:39 PM	0.00
6/21/2018	8:39 PM	0.00
6/21/2018	7:39 PM	0.00
6/21/2018	6:39 PM	0.00
6/21/2018	5:39 PM	0.00
6/21/2018	4:39 PM	0.00
6/21/2018	3:39 PM	0.00
6/21/2018	2:39 PM	0.00
6/21/2018	1:39 PM	0.00

21908 Senna Hills Dr. Ha, Sang		
6/21/2018	12:39 PM	0.00
6/21/2018	11:39 AM	0.00
6/21/2018	10:39 AM	0.00
6/21/2018	9:39 AM	0.00
6/21/2018	8:39 AM	15.31
6/21/2018	7:39 AM	0.00
6/21/2018	6:39 AM	0.00
6/21/2018	5:39 AM	1.23
6/21/2018	4:39 AM	0.00
6/21/2018	3:39 AM	0.00
6/21/2018	2:39 AM	0.00
6/21/2018	1:39 AM	0.00
6/21/2018	12:39 AM	0.00
6/20/2018	11:39 PM	0.00
6/20/2018	10:39 PM	0.00
6/20/2018	9:39 PM	0.00
6/20/2018	8:39 PM	0.00
6/20/2018	7:39 PM	0.00
6/20/2018	6:39 PM	0.00
6/20/2018	5:39 PM	0.00
6/20/2018	4:39 PM	0.00
6/20/2018	3:39 PM	0.00
6/20/2018	2:39 PM	0.00
6/20/2018	1:39 PM	0.00
6/20/2018	12:39 PM	0.00
6/20/2018	11:38 AM	1.79
6/20/2018	10:38 AM	15.01
6/20/2018	9:38 AM	14.46
6/20/2018	8:38 AM	0.70
6/20/2018	7:38 AM	3.80
6/20/2018	6:38 AM	1.22
6/20/2018	5:38 AM	0.00
6/20/2018	4:38 AM	3.26
6/20/2018	3:38 AM	0.00
6/20/2018	2:38 AM	0.00
6/20/2018	1:38 AM	0.00
6/20/2018	12:38 AM	3.26
6/19/2018	11:38 PM	0.00
6/19/2018	10:38 PM	22.51
6/19/2018	9:38 PM	0.00
6/19/2018	8:38 PM	3.26
6/19/2018	7:38 PM	0.75
6/19/2018	6:38 PM	0.00
6/19/2018	5:38 PM	2.57
6/19/2018	4:38 PM	1.84
6/19/2018	3:38 PM	0.00

6/19/2018	2:38 PM	0.00	6/17/2018	3:37 PM	2.43
6/19/2018	1:38 PM	0.00	6/17/2018	2:37 PM	1.33
6/19/2018	12:38 PM	0.00	6/17/2018	1:37 PM	0.00
6/19/2018	11:38 AM	8.79	6/17/2018	12:37 PM	0.00
6/19/2018	10:38 AM	0.00	6/17/2018	11:37 AM	0.00
6/19/2018	9:38 AM	8.68	6/17/2018	10:37 AM	0.00
6/19/2018	8:38 AM	1.65	6/17/2018	9:37 AM	0.00
6/19/2018	7:38 AM	18.84	6/17/2018	8:37 AM	0.00
6/19/2018	6:38 AM	1.79	6/17/2018	7:37 AM	0.00
6/19/2018	5:38 AM	3.23	6/17/2018	6:37 AM	0.00
6/19/2018	4:38 AM	0.00	6/17/2018	5:37 AM	0.00
6/19/2018	3:38 AM	0.00	6/17/2018	4:37 AM	0.00
6/19/2018	2:38 AM	0.00	6/17/2018	3:37 AM	0.00
6/19/2018	1:38 AM	3.26	6/17/2018	2:37 AM	0.00
6/19/2018	12:38 AM	0.00	6/17/2018	1:37 AM	0.00
6/18/2018	11:38 PM	0.00	6/17/2018	12:37 AM	0.00
6/18/2018	10:38 PM	0.00	6/16/2018	11:37 PM	0.00
6/18/2018	9:38 PM	0.00	6/16/2018	10:37 PM	0.00
6/18/2018	8:38 PM	0.12	6/16/2018	9:37 PM	0.00
6/18/2018	7:38 PM	11.97	6/16/2018	8:37 PM	0.00
6/18/2018	6:38 PM	5.12	6/16/2018	7:37 PM	0.00
6/18/2018	5:38 PM	23.90	6/16/2018	6:37 PM	0.00
6/18/2018	4:38 PM	69.35	6/16/2018	5:37 PM	0.00
6/18/2018	3:38 PM	8.39	6/16/2018	4:37 PM	0.00
6/18/2018	2:38 PM	7.78	6/16/2018	3:37 PM	0.00
6/18/2018	1:38 PM	0.60	6/16/2018	2:37 PM	39.48
6/18/2018	12:38 PM	0.00	6/16/2018	1:37 PM	4.67
6/18/2018	11:38 AM	1.31	6/16/2018	12:37 PM	69.10
6/18/2018	10:38 AM	41.40	6/16/2018	11:37 AM	0.00
6/18/2018	9:38 AM	4.79	6/16/2018	10:37 AM	0.00
6/18/2018	8:38 AM	0.00	6/16/2018	9:37 AM	0.00
6/18/2018	7:38 AM	2.60	6/16/2018	8:37 AM	0.00
6/18/2018	6:38 AM	3.23	6/16/2018	7:37 AM	0.00
6/18/2018	5:38 AM	0.00	6/16/2018	6:37 AM	0.00
6/18/2018	4:38 AM	3.21	6/16/2018	5:37 AM	0.00
6/18/2018	3:38 AM	0.00	6/16/2018	4:37 AM	0.00
6/18/2018	2:38 AM	0.00	6/16/2018	3:37 AM	0.00
6/18/2018	1:38 AM	0.00	6/16/2018	2:37 AM	0.00
6/18/2018	12:38 AM	0.00	6/16/2018	1:37 AM	0.00
6/17/2018	11:38 PM	0.00	6/16/2018	12:37 AM	0.00
6/17/2018	10:38 PM	8.59	6/15/2018	11:37 PM	0.00
6/17/2018	9:38 PM	84.22	6/15/2018	10:37 PM	0.00
6/17/2018	8:38 PM	2.45	6/15/2018	9:37 PM	0.00
6/17/2018	7:38 PM	0.00	6/15/2018	8:37 PM	0.00
6/17/2018	6:37 PM	0.00	6/15/2018	7:37 PM	0.00
6/17/2018	5:37 PM	0.00	6/15/2018	6:37 PM	0.00
6/17/2018	4:37 PM	0.00	6/15/2018	5:37 PM	0.00

6/15/2018	4:37 PM	0.00
6/15/2018	3:37 PM	0.00
6/15/2018	2:37 PM	0.00
6/15/2018	1:37 PM	0.00
6/15/2018	12:37 PM	0.00
6/15/2018	11:37 AM	0.00
6/15/2018	10:37 AM	0.00
6/15/2018	9:37 AM	0.00
6/15/2018	8:37 AM	(0.04)
6/15/2018	7:37 AM	5.01
6/15/2018	6:37 AM	6.30
6/15/2018	5:37 AM	4.01
6/15/2018	4:37 AM	0.00
6/15/2018	3:37 AM	0.06
6/15/2018	2:37 AM	0.00
6/15/2018	1:36 AM	35.91
6/15/2018	12:36 AM	0.83
6/14/2018	11:36 PM	8.08
6/14/2018	10:36 PM	3.20
6/14/2018	9:36 PM	0.33
6/14/2018	8:36 PM	51.49
6/14/2018	7:36 PM	3.71
6/14/2018	6:36 PM	3.55
6/14/2018	5:36 PM	1.20
6/14/2018	4:36 PM	1.09
6/14/2018	3:36 PM	0.00
6/14/2018	2:36 PM	0.00
6/14/2018	1:36 PM	0.00
6/14/2018	12:36 PM	57.16
6/14/2018	11:36 AM	26.38
6/14/2018	10:36 AM	9.90
6/14/2018	9:36 AM	11.49
6/14/2018	8:36 AM	9.14
6/14/2018	7:36 AM	0.00
6/14/2018	6:36 AM	0.00
6/14/2018	5:36 AM	0.00
6/14/2018	4:36 AM	0.00
6/14/2018	3:36 AM	3.32
6/14/2018	2:36 AM	0.32
6/14/2018	1:36 AM	12.24
6/14/2018	12:36 AM	0.00
6/13/2018	11:36 PM	0.00
6/13/2018	10:36 PM	14.18
6/13/2018	9:36 PM	3.49
6/13/2018	8:36 PM	0.21
6/13/2018	7:36 PM	0.00
6/13/2018	6:36 PM	0.00

6/13/2018	5:36 PM	0.00
6/13/2018	4:36 PM	0.00
6/13/2018	3:36 PM	20.94
6/13/2018	2:36 PM	524.62
6/13/2018	1:36 PM	515.85
6/13/2018	12:36 PM	521.49
6/13/2018	11:36 AM	510.50
6/13/2018	10:36 AM	505.25
6/13/2018	9:36 AM	518.57
6/13/2018	8:36 AM	516.84
6/13/2018	7:36 AM	504.46
6/13/2018	6:36 AM	501.91
6/13/2018	5:36 AM	496.54
6/13/2018	4:36 AM	499.67
6/13/2018	3:36 AM	525.21
6/13/2018	2:36 AM	1,367.44
6/13/2018	1:36 AM	1,198.25
6/13/2018	12:36 AM	1,176.06
6/12/2018	11:36 PM	635.49
6/12/2018	10:36 PM	658.35
6/12/2018	9:35 PM	1,075.50
6/12/2018	8:35 PM	1,131.81
6/12/2018	7:35 PM	513.53
6/12/2018	6:35 PM	974.11
6/12/2018	5:35 PM	1,275.31
6/12/2018	4:35 PM	1,198.25
6/12/2018	3:35 PM	946.54
6/12/2018	2:35 PM	546.68
6/12/2018	1:35 PM	511.75
6/12/2018	12:35 PM	513.24
6/12/2018	11:35 AM	520.97
6/12/2018	10:35 AM	506.03
6/12/2018	9:35 AM	508.91
6/12/2018	8:35 AM	512.24
6/12/2018	7:35 AM	499.65
6/12/2018	6:35 AM	497.95
6/12/2018	5:35 AM	748.87
6/12/2018	4:35 AM	1,321.16
6/12/2018	3:35 AM	1,190.58
6/12/2018	2:35 AM	1,102.99
6/12/2018	1:35 AM	515.43
6/12/2018	12:35 AM	506.80
6/11/2018	11:35 PM	510.04
6/11/2018	10:35 PM	500.51
6/11/2018	9:35 PM	504.24
6/11/2018	8:35 PM	505.29
6/11/2018	7:35 PM	516.32

6/11/2018	6:35 PM	511.99
6/11/2018	5:35 PM	514.67
6/11/2018	4:35 PM	515.26
6/11/2018	3:35 PM	511.00
6/11/2018	2:35 PM	512.76
6/11/2018	1:35 PM	516.74
6/11/2018	12:35 PM	509.28
6/11/2018	11:35 AM	511.55
6/11/2018	10:35 AM	511.19
6/11/2018	9:35 AM	505.99
6/11/2018	8:35 AM	516.85
6/11/2018	7:35 AM	513.65
6/11/2018	6:35 AM	511.86
6/11/2018	5:35 AM	500.79
6/11/2018	4:35 AM	505.28
6/11/2018	3:35 AM	505.26
6/11/2018	2:35 AM	504.05
6/11/2018	1:35 AM	502.59
6/11/2018	12:35 AM	506.37
6/10/2018	11:35 PM	511.09
6/10/2018	10:35 PM	505.77
6/10/2018	9:35 PM	510.45
6/10/2018	8:35 PM	562.14
6/10/2018	7:35 PM	514.38
6/10/2018	6:35 PM	512.21
6/10/2018	5:35 PM	512.23
6/10/2018	4:35 PM	506.64
6/10/2018	3:35 PM	509.91
6/10/2018	2:35 PM	508.86
6/10/2018	1:35 PM	510.24
6/10/2018	12:35 PM	512.20
6/10/2018	11:35 AM	515.02
6/10/2018	10:35 AM	547.41
6/10/2018	9:35 AM	516.09
6/10/2018	8:35 AM	519.58
6/10/2018	7:35 AM	507.35
6/10/2018	6:35 AM	505.33
6/10/2018	5:35 AM	505.28
6/10/2018	4:34 AM	505.16
6/10/2018	3:34 AM	508.89
6/10/2018	2:34 AM	507.99
6/10/2018	1:34 AM	505.81
6/10/2018	12:34 AM	503.88
6/9/2018	11:34 PM	505.05
6/9/2018	10:34 PM	505.86
6/9/2018	9:34 PM	518.60
6/9/2018	8:34 PM	505.98

6/9/2018	7:34 PM	505.85
6/9/2018	6:34 PM	508.65
6/9/2018	5:34 PM	509.47
6/9/2018	4:34 PM	511.37
6/9/2018	3:34 PM	512.45
6/9/2018	2:34 PM	513.82
6/9/2018	1:34 PM	516.37
6/9/2018	12:34 PM	543.14
6/9/2018	11:34 AM	516.48
6/9/2018	10:34 AM	512.50
6/9/2018	9:34 AM	503.88
6/9/2018	8:34 AM	501.22
6/9/2018	7:34 AM	503.73
6/9/2018	6:34 AM	500.39
6/9/2018	5:34 AM	509.98
6/9/2018	4:34 AM	510.09
6/9/2018	3:34 AM	568.49
6/9/2018	2:34 AM	1,370.86
6/9/2018	1:34 AM	1,231.87
6/9/2018	12:34 AM	1,143.07
6/8/2018	11:34 PM	630.45
6/8/2018	10:34 PM	494.79
6/8/2018	9:34 PM	1,109.04
6/8/2018	8:34 PM	1,124.06
6/8/2018	7:34 PM	504.91
6/8/2018	6:34 PM	991.34
6/8/2018	5:34 PM	1,249.99
6/8/2018	4:34 PM	1,178.70
6/8/2018	3:34 PM	918.05
6/8/2018	2:34 PM	564.32
6/8/2018	1:34 PM	517.90
6/8/2018	12:34 PM	1,216.96
6/8/2018	11:34 AM	1,232.40
6/8/2018	10:34 AM	1,163.09
6/8/2018	9:34 AM	754.76
6/8/2018	8:34 AM	500.83
6/8/2018	7:34 AM	495.69
6/8/2018	6:34 AM	495.05
6/8/2018	5:34 AM	493.77
6/8/2018	4:34 AM	496.36
6/8/2018	3:34 AM	506.34
6/8/2018	2:34 AM	512.85
6/8/2018	1:34 AM	511.68
6/8/2018	12:33 AM	510.08
6/7/2018	11:33 PM	501.00
6/7/2018	10:33 PM	492.73
6/7/2018	9:33 PM	493.49

6/7/2018	8:33 PM	502.88
6/7/2018	7:33 PM	507.02
6/7/2018	6:33 PM	507.62
6/7/2018	5:33 PM	532.38
6/7/2018	4:33 PM	506.81
6/7/2018	3:33 PM	508.15
6/7/2018	2:33 PM	510.19
6/7/2018	1:33 PM	510.46
6/7/2018	12:33 PM	511.53
6/7/2018	11:33 AM	513.13
6/7/2018	10:33 AM	511.65
6/7/2018	9:33 AM	509.14
6/7/2018	8:33 AM	506.59
6/7/2018	7:33 AM	497.61
6/7/2018	6:33 AM	488.87
6/7/2018	5:33 AM	493.15
6/7/2018	4:33 AM	503.55
6/7/2018	3:33 AM	560.95
6/7/2018	2:33 AM	1,365.24
6/7/2018	1:33 AM	1,191.59
6/7/2018	12:33 AM	1,160.42
6/6/2018	11:33 PM	511.62
6/6/2018	10:33 PM	514.69
6/6/2018	9:33 PM	524.09
6/6/2018	8:33 PM	550.78
6/6/2018	7:33 PM	523.15
6/6/2018	6:33 PM	1,010.13
6/6/2018	5:33 PM	1,275.27
6/6/2018	4:33 PM	1,198.53
6/6/2018	3:33 PM	935.11
6/6/2018	2:33 PM	531.74
6/6/2018	1:33 PM	532.45
6/6/2018	12:33 PM	1,242.64
6/6/2018	11:33 AM	1,238.76
6/6/2018	10:33 AM	924.50
6/6/2018	9:33 AM	818.25
6/6/2018	8:33 AM	523.08
6/6/2018	7:33 AM	514.77
6/6/2018	6:33 AM	512.43
6/6/2018	5:33 AM	517.84
6/6/2018	4:33 AM	523.71
6/6/2018	3:33 AM	527.67
6/6/2018	2:33 AM	550.45
6/6/2018	1:33 AM	554.23
6/6/2018	12:33 AM	520.59
6/5/2018	11:33 PM	534.46
6/5/2018	10:33 PM	515.31

6/5/2018	9:33 PM	515.42
6/5/2018	8:33 PM	516.58
6/5/2018	7:33 PM	522.29
6/5/2018	6:33 PM	523.73
6/5/2018	5:33 PM	180.14
6/5/2018	4:33 PM	20.12
6/5/2018	3:33 PM	22.90
6/5/2018	2:33 PM	21.06
6/5/2018	1:33 PM	20.16
6/5/2018	12:33 PM	20.09
6/5/2018	11:33 AM	20.11
6/5/2018	10:33 AM	20.09
6/5/2018	9:33 AM	34.99
6/5/2018	8:33 AM	22.04
6/5/2018	7:32 AM	21.53
6/5/2018	6:32 AM	20.68
6/5/2018	5:32 AM	21.11
6/5/2018	4:32 AM	24.84
6/5/2018	3:32 AM	22.31
6/5/2018	2:32 AM	21.75
6/5/2018	1:32 AM	83.73
6/5/2018	12:32 AM	44.94
6/4/2018	11:32 PM	20.42
6/4/2018	10:32 PM	22.36
6/4/2018	9:32 PM	20.67
6/4/2018	8:32 PM	20.93
6/4/2018	7:32 PM	21.30
6/4/2018	6:32 PM	21.36
6/4/2018	5:32 PM	26.02
6/4/2018	4:32 PM	20.77
6/4/2018	3:32 PM	19.98
6/4/2018	2:32 PM	68.73
6/4/2018	1:32 PM	19.89
6/4/2018	12:32 PM	19.73
6/4/2018	11:32 AM	20.23
6/4/2018	10:32 AM	19.83
6/4/2018	9:32 AM	24.66
6/4/2018	8:32 AM	19.73
6/4/2018	7:32 AM	19.57
6/4/2018	6:32 AM	21.20
6/4/2018	5:32 AM	22.40
6/4/2018	4:32 AM	20.96
6/4/2018	3:32 AM	20.65
6/4/2018	2:32 AM	31.59
6/4/2018	1:32 AM	72.28
6/4/2018	12:32 AM	21.40
6/3/2018	11:32 PM	22.92

6/3/2018	10:32 PM	27.00
6/3/2018	9:32 PM	20.12
6/3/2018	8:32 PM	28.44
6/3/2018	7:32 PM	18.81
6/3/2018	6:32 PM	19.95
6/3/2018	5:32 PM	21.91
6/3/2018	4:32 PM	66.98
6/3/2018	3:32 PM	23.40
6/3/2018	2:32 PM	20.16
6/3/2018	1:32 PM	22.55
6/3/2018	12:32 PM	24.25
6/3/2018	11:32 AM	21.73
6/3/2018	10:32 AM	21.93
6/3/2018	9:32 AM	27.59
6/3/2018	8:32 AM	29.12
6/3/2018	7:32 AM	24.36
6/3/2018	6:32 AM	19.11
6/3/2018	5:32 AM	19.47
6/3/2018	4:32 AM	19.51
6/3/2018	3:32 AM	19.70
6/3/2018	2:32 AM	19.01
6/3/2018	1:32 AM	21.43
6/3/2018	12:32 AM	25.54
6/2/2018	11:32 PM	23.23
6/2/2018	10:32 PM	28.44
6/2/2018	9:32 PM	25.38
6/2/2018	8:32 PM	18.29
6/2/2018	7:32 PM	16.37
6/2/2018	6:32 PM	16.33
6/2/2018	5:32 PM	17.65
6/2/2018	4:32 PM	85.67
6/2/2018	3:32 PM	17.89
6/2/2018	2:31 PM	18.11
6/2/2018	1:31 PM	17.98
6/2/2018	12:31 PM	18.70
6/2/2018	11:31 AM	18.08
6/2/2018	10:31 AM	17.26
6/2/2018	9:31 AM	18.08
6/2/2018	8:31 AM	17.36
6/2/2018	7:31 AM	23.27
6/2/2018	6:31 AM	20.33
6/2/2018	5:31 AM	17.08
6/2/2018	4:31 AM	20.67
6/2/2018	3:31 AM	17.60
6/2/2018	2:31 AM	17.71
6/2/2018	1:31 AM	17.89
6/2/2018	12:31 AM	17.65

6/1/2018	11:31 PM	20.43
6/1/2018	10:31 PM	23.39
6/1/2018	9:31 PM	743.43
6/1/2018	8:31 PM	747.37
6/1/2018	7:31 PM	26.19
6/1/2018	6:31 PM	111.54
6/1/2018	5:31 PM	17.33
6/1/2018	4:31 PM	21.99
6/1/2018	3:31 PM	17.76
6/1/2018	2:31 PM	18.29
6/1/2018	1:31 PM	17.85
6/1/2018	12:31 PM	17.27
6/1/2018	11:31 AM	18.55
6/1/2018	10:31 AM	16.94
6/1/2018	9:31 AM	17.37
6/1/2018	8:31 AM	18.94
6/1/2018	7:31 AM	20.55
6/1/2018	6:31 AM	20.13
6/1/2018	5:31 AM	351.63
6/1/2018	4:31 AM	1,003.32
6/1/2018	3:31 AM	830.86
6/1/2018	2:31 AM	714.07
6/1/2018	1:31 AM	52.85
6/1/2018	12:31 AM	17.24
5/31/2018	11:31 PM	17.01
5/31/2018	10:31 PM	20.41
5/31/2018	9:31 PM	17.48
5/31/2018	8:31 PM	21.09
5/31/2018	7:31 PM	21.18
5/31/2018	6:31 PM	22.01
5/31/2018	5:31 PM	17.05
5/31/2018	4:31 PM	19.66
5/31/2018	3:31 PM	18.60
5/31/2018	2:31 PM	17.22
5/31/2018	1:31 PM	16.66
5/31/2018	12:31 PM	17.34
5/31/2018	11:31 AM	17.24
5/31/2018	10:30 AM	17.01
5/31/2018	9:30 AM	17.15
5/31/2018	8:30 AM	24.50
5/31/2018	7:30 AM	19.53
5/31/2018	6:30 AM	16.62
5/31/2018	5:30 AM	19.56
5/31/2018	4:30 AM	17.85
5/31/2018	3:30 AM	17.24
5/31/2018	2:30 AM	16.57
5/31/2018	1:30 AM	20.09

5/31/2018	12:30 AM	17.15	5/29/2018	1:30 AM	53.57
5/30/2018	11:30 PM	16.60	5/29/2018	12:30 AM	15.94
5/30/2018	10:30 PM	16.62	5/28/2018	11:30 PM	16.87
5/30/2018	9:30 PM	16.62	5/28/2018	10:30 PM	19.03
5/30/2018	8:30 PM	21.21	5/28/2018	9:30 PM	16.41
5/30/2018	7:30 PM	18.35	5/28/2018	8:30 PM	17.95
5/30/2018	6:30 PM	72.19	5/28/2018	7:30 PM	16.34
5/30/2018	5:30 PM	18.67	5/28/2018	6:30 PM	16.20
5/30/2018	4:30 PM	17.43	5/28/2018	5:29 PM	16.08
5/30/2018	3:30 PM	16.63	5/28/2018	4:29 PM	16.92
5/30/2018	2:30 PM	16.68	5/28/2018	3:29 PM	15.95
5/30/2018	1:30 PM	18.57	5/28/2018	2:29 PM	16.56
5/30/2018	12:30 PM	16.62	5/28/2018	1:29 PM	15.64
5/30/2018	11:30 AM	16.55	5/28/2018	12:29 PM	16.39
5/30/2018	10:30 AM	16.39	5/28/2018	11:29 AM	15.67
5/30/2018	9:30 AM	20.37	5/28/2018	10:29 AM	16.37
5/30/2018	8:30 AM	21.31	5/28/2018	9:29 AM	16.29
5/30/2018	7:30 AM	16.66	5/28/2018	8:29 AM	65.33
5/30/2018	6:30 AM	22.36	5/28/2018	7:29 AM	34.98
5/30/2018	5:30 AM	16.24	5/28/2018	6:29 AM	18.32
5/30/2018	4:30 AM	19.79	5/28/2018	5:29 AM	16.95
5/30/2018	3:30 AM	17.75	5/28/2018	4:29 AM	15.57
5/30/2018	2:30 AM	16.47	5/28/2018	3:29 AM	18.95
5/30/2018	1:30 AM	16.60	5/28/2018	2:29 AM	16.18
5/30/2018	12:30 AM	19.42	5/28/2018	1:29 AM	15.84
5/29/2018	11:30 PM	16.55	5/28/2018	12:29 AM	15.86
5/29/2018	10:30 PM	17.19	5/27/2018	11:29 PM	16.34
5/29/2018	9:30 PM	19.46	5/27/2018	10:29 PM	16.02
5/29/2018	8:30 PM	20.08	5/27/2018	9:29 PM	20.59
5/29/2018	7:30 PM	58.18	5/27/2018	8:29 PM	16.84
5/29/2018	6:30 PM	21.21	5/27/2018	7:29 PM	19.21
5/29/2018	5:30 PM	16.98	5/27/2018	6:29 PM	47.27
5/29/2018	4:30 PM	16.78	5/27/2018	5:29 PM	16.63
5/29/2018	3:30 PM	16.72	5/27/2018	4:29 PM	16.43
5/29/2018	2:30 PM	17.71	5/27/2018	3:29 PM	16.10
5/29/2018	1:30 PM	16.27	5/27/2018	2:29 PM	15.68
5/29/2018	12:30 PM	16.56	5/27/2018	1:29 PM	15.70
5/29/2018	11:30 AM	16.40	5/27/2018	12:29 PM	15.71
5/29/2018	10:30 AM	16.42	5/27/2018	11:29 AM	16.03
5/29/2018	9:30 AM	15.76	5/27/2018	10:29 AM	15.47
5/29/2018	8:30 AM	17.82	5/27/2018	9:29 AM	15.50
5/29/2018	7:30 AM	17.29	5/27/2018	8:29 AM	23.30
5/29/2018	6:30 AM	16.48	5/27/2018	7:29 AM	21.44
5/29/2018	5:30 AM	15.73	5/27/2018	6:29 AM	15.66
5/29/2018	4:30 AM	16.45	5/27/2018	5:29 AM	15.62
5/29/2018	3:30 AM	16.26	5/27/2018	4:29 AM	18.50
5/29/2018	2:30 AM	33.03	5/27/2018	3:29 AM	17.52

5/27/2018	2:29 AM	15.73
5/27/2018	1:29 AM	18.52
5/27/2018	12:29 AM	15.77
5/26/2018	11:29 PM	17.09
5/26/2018	10:29 PM	15.81
5/26/2018	9:29 PM	18.91
5/26/2018	8:29 PM	18.34
5/26/2018	8:29 PM	18.34
5/26/2018	7:29 PM	21.99
5/26/2018	6:29 PM	17.11
5/26/2018	5:29 PM	17.06
5/26/2018	4:29 PM	16.96
5/26/2018	3:29 PM	18.29
5/26/2018	2:29 PM	17.26
5/26/2018	1:28 PM	16.83
5/26/2018	12:28 PM	16.67
5/26/2018	11:28 AM	17.80
5/26/2018	10:28 AM	16.50
5/26/2018	9:28 AM	16.42
5/26/2018	8:28 AM	23.18
5/26/2018	7:28 AM	16.25
5/26/2018	6:28 AM	18.97
5/26/2018	5:28 AM	18.04
5/26/2018	4:28 AM	17.68
5/26/2018	3:28 AM	16.03
5/26/2018	2:28 AM	32.20
5/26/2018	1:28 AM	19.37
5/26/2018	12:28 AM	16.42
5/25/2018	11:28 PM	16.43
5/25/2018	10:28 PM	58.23
5/25/2018	9:28 PM	752.54
5/25/2018	8:28 PM	733.58
5/25/2018	7:28 PM	58.21
5/25/2018	6:28 PM	20.04
5/25/2018	5:28 PM	15.98
5/25/2018	4:28 PM	21.07
5/25/2018	3:28 PM	16.46
5/25/2018	2:28 PM	16.44
5/25/2018	1:28 PM	16.09
5/25/2018	12:28 PM	17.45
5/25/2018	11:28 AM	18.14
5/25/2018	10:28 AM	15.98
5/25/2018	9:28 AM	19.21
5/25/2018	8:28 AM	21.19
5/25/2018	7:28 AM	16.33
5/25/2018	6:28 AM	18.95
5/25/2018	5:28 AM	394.84

5/25/2018	4:28 AM	999.08
5/25/2018	3:28 AM	853.09
5/25/2018	2:28 AM	668.98
5/25/2018	1:28 AM	15.72
5/25/2018	12:28 AM	16.45
5/24/2018	11:28 PM	16.28
5/24/2018	10:28 PM	16.17
5/24/2018	9:28 PM	17.81
5/24/2018	8:28 PM	23.99
5/24/2018	7:28 PM	16.54
5/24/2018	6:28 PM	19.50
5/24/2018	5:28 PM	18.60
5/24/2018	4:28 PM	17.24
5/24/2018	3:28 PM	16.00
5/24/2018	2:28 PM	16.83
5/24/2018	1:28 PM	17.03
5/24/2018	12:28 PM	16.03
5/24/2018	11:28 AM	16.09
5/24/2018	10:28 AM	16.03
5/24/2018	9:28 AM	16.03
5/24/2018	8:28 AM	30.20
5/24/2018	7:28 AM	18.96
5/24/2018	6:28 AM	18.52
5/24/2018	5:28 AM	16.36
5/24/2018	4:28 AM	15.70
5/24/2018	3:28 AM	15.86
5/24/2018	2:28 AM	16.43
5/24/2018	1:28 AM	18.66
5/24/2018	12:28 AM	15.92
5/23/2018	11:28 PM	16.62
5/23/2018	10:28 PM	15.78
5/23/2018	9:28 PM	15.91
5/23/2018	8:27 PM	15.94
5/23/2018	7:27 PM	68.69
5/23/2018	6:27 PM	75.57
5/23/2018	5:27 PM	19.39
5/23/2018	4:27 PM	16.35
5/23/2018	3:27 PM	16.41
5/23/2018	2:27 PM	16.38
5/23/2018	1:27 PM	16.30
5/23/2018	12:27 PM	16.30
5/23/2018	11:27 AM	17.05
5/23/2018	10:27 AM	16.23

Total Consumption

148,935.47

Earliest: 5/23/18 10:27

Latest: 6/23/18 10:40

Units: Gallon/Hour



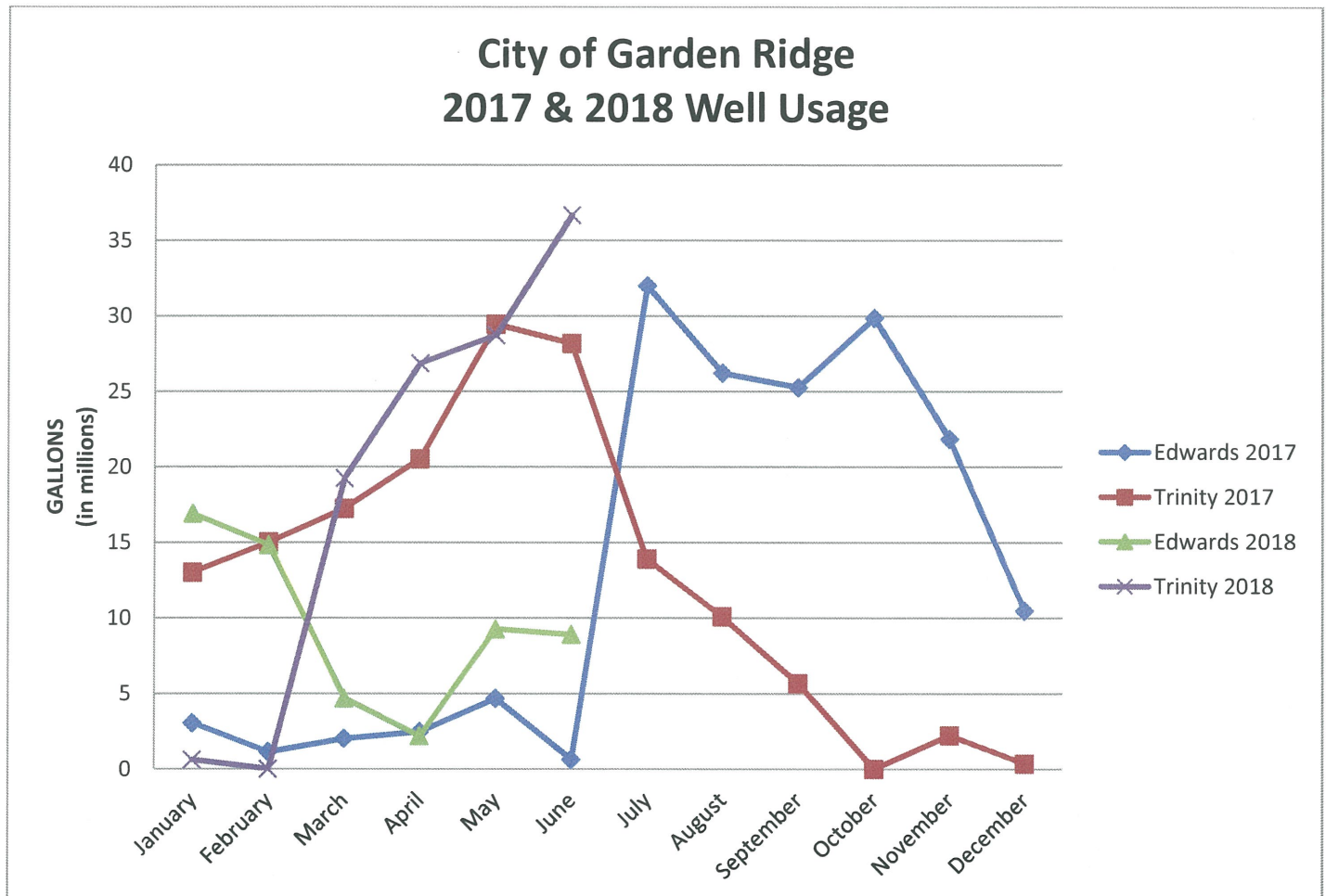
City of Garden Ridge

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

Water Department Report

As of June 30, 2018

2017 & 2018 City of Garden Ridge Well Usage



As of June 30, 2018:

Edwards Wells – 8,896,000 Gallons (27.30 acre feet) have been used.

Trinity Well – 36,657,000 Gallons (112.50 acre feet) have been used.

The City of Garden Ridge has a total of 681.767 acre feet of Edwards Permits. Current amount pumped is 174.067 acre feet, leaving 486.565 acre feet available to pump after EAA reductions. EAA is currently in Drought Stage 2 -30% allotted usage. Currently the City of Garden Ridge is not in an EAA Drought Stage.

2018 Edwards Permits

Type of Permit	TCEQ Permit #	EAA Permit #	Acre Feet
Allocated	CO 00139	P100-767	511.951
Purchased	BE 00109I	P100-327	2.000
Purchased	ME 00417D	P101-185	1.301
Purchased	ME 00479I	P101-315	3.895
Purchased	UV 00437I	P101-699	2.000
Purchased	UV 00461I	P101-752	4.000
Purchased	UV 00478I	P101-801	2.000
Purchased	UV 00537H	P101-959	2.000
Purchased	UV 00576I	P102-040	14.000
Purchased	UV 00630G	P102-146	1.760
Purchased	BE 00081AE	P100-200	62.000
Transfer	CO 00119AA	P102-564	0.660
Transfer		P103-312	4.500
Transfer		P102-416	2.000
Lease	Lloyd Loehman	P107-429	3.000
Lease	M. Friesenhahn	P100-745	65.000
Lease	BVFD	CO 00139	P108-644
			-0.300
Total			681.767

Monthly Averages as of June 30, 2018

Average usage per connection	28,067.16 gallons*
Average usage per day	1,518,433.30 gallons*

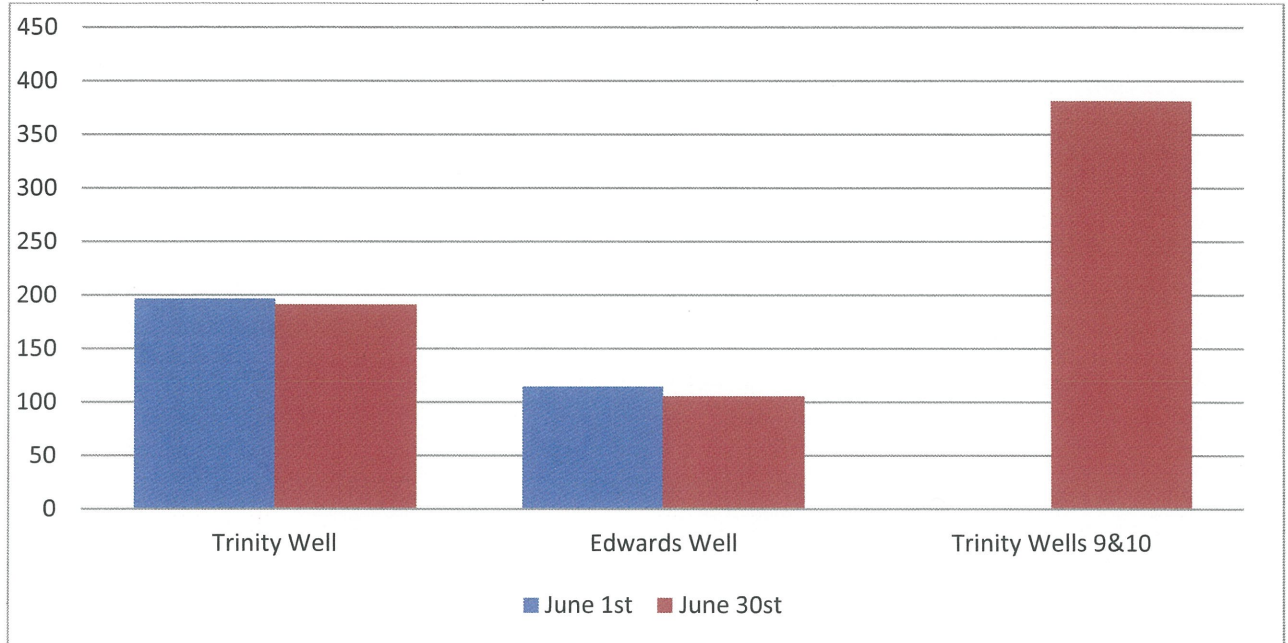
	Year to date for 2018	2017
Water Connections	1,626	1,610

Well Maintenance Schedules

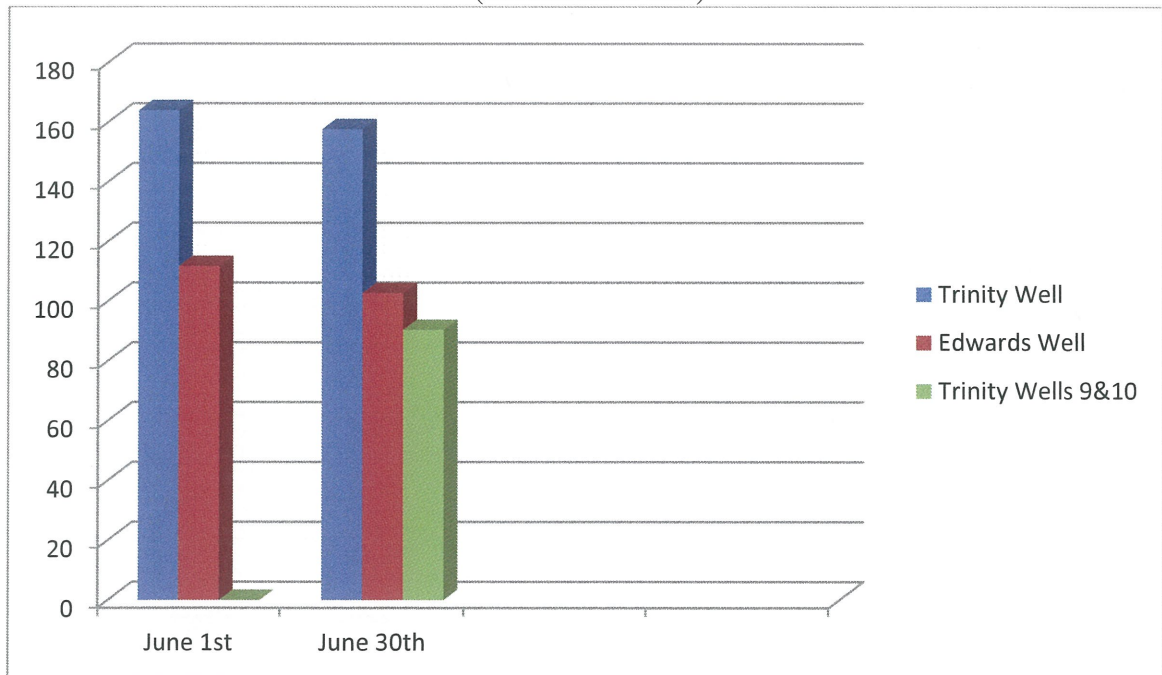
Location of well	Last maintenance preformed	Maintenance based on time or installed	Last test run
F.M. 2252 Edwards Well 5	May 2018	Time	June 2016
F.M. 2252 Edwards Well 7	May 2018	Time	May 2017
Timber Rose Edwards Well 2	May 2005	Time	May 2016
Timber Rose Edwards Well 4	May 2005	Time	May 2016
Elevated Trinity Well 8	August 2017	Time	June 2016
F.M. 3009 Trinity Well 9	August 2017	Installed	April 2018
F.M. 3009 Trinity Well 10	August 2017	Installed	April 2018

Monthly Well Progress

Static Levels (Well Motors Off) (measured in feet)



Pumping Levels (Well Motors Running) (measured in feet)



Water Department Monthly Activities:

Water		Plumbing	
New Meter Installations	3	Sewer Rough-in. #3	3
Meter Replacement	4	Plumbing Rough-in. #6	2
Main Breaks	0	Water Main to House. #8A	6
Service Line Replacement	0	Final House Inspection #9	3
Service Line Leak Repair	0	Irrigation System Inspections.	3
Fire Hydrant Maintenance	0	Water Heater Safety Inspection	1
Leak Adjustment	0	Toilet Rebates	3
Meters Read June 23, 2018	1,626	Washing Machine Rebates	0
Work Orders	127		

Projects:

- 2016 CIP: FM 3009 Well Site came on line and start servicing the City on June 8, 2018. Have not had any problems. Waiting for reply on Well 10 variance.
- Working to improve the Water Department work order and workflow system to assist with making the day to day operations more efficient.
- Started water line installation for Naco Loop waterline.
- TCEQ and EAA water samples completed.

Type of Report	Due Date	Date Submitted
Daily Well/Max EAA Usage/Total Usage	Daily	Run daily
Monthly Well Totals/State Report/ Water Loss	By 5 th of following month	July 2, 2018
EAA Drought Condition Monthly Report	By 10 th of following month	July 2, 2018
Monthly Bacteriological Samples	Monthly 1 st – 7 th	June 6 , 2018
Water Commission Report	2 weeks prior to meeting	March 13, 2018
City Council Meeting Report	2 weeks prior to meeting	July 2, 2018
DLQOR 1 st Quarter	April 10 th of current year	April 3, 2018
DLQOR 2 nd Quarter	July 10 th of current year	July 2, 2018
DLQOR 3 rd Quarter	October 10 th of current year	
DLQOR 4 th Quarter	January 10 th of following year	January 10, 2018
CCTGWCD 1 st Quarter	April 10 th of current year	April 3, 2018
CCTGWCD 2 nd Quarter	July 10 th of current year	July 2, 2018
CCTGWCD 3 rd Quarter	October 10 th of current year	
CCTGWCD 4 th Quarter	January 10 th of following year	January 10, 2018
EAA Annual Meter Report	January 31 st of current year	January 25, 2018
TWBD Annual Water Survey	March 1 st of current year	January 31, 2018
EAA Groundwater Conservation Plan	March 31 st , 2018 Due every 3 years	March 28, 2018
TWDB Annual Water Loss Audit	May 1 st of current year	April 24, 2018
Annual Consumer Confidence Repot	July 1 st of current year	June 30, 2018
Lead & Copper Samples	June – September 2019 Due every 3 years	

CCTGWCD=Comal County Trinity Groundwater Conservation District

DLQOR=Disinfectant Level Quarterly Operating Report

EAA=Edwards Aquifer Authority

TWBD=Texas Water Development Board

Employee Updates:

Future Agenda Items

Water Commission

August 28, 2018

Agenda deadlines:

- 14** days before Meetings (7/14/18) Water Commission and Staff items are due
- 11** days before Meetings (7/17/18) Water Commission Chair review agenda.
 - City Attorney is sent the agenda to approval
- 7** days before Meetings (7/21/18) Post Agenda on bulletin board
 - Water Commission will receive packet (allowing a day and half for corrections and additional information to be added)
- 5** days before Meetings (7/23/18) Post Agenda Packet to City Website @ noon
- 4** days before Meetings (7/24/18) (72 hours) – Local Government Code requirement for posting

City Council = Red

Quarry Commission = Purple

Planning & Zoning = Green

Water Commission = Blue

Impact Fee Committee = Pink

Wildlife Management Advisory Commission = Brown

City Events=

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	

Approval

1. Minutes 7-24-18

Recommendation

Discussion/Reports

1. Water Manager Report
2. City Council Update
3. Future Agenda Items
 - a. Set next meeting (if necessary) September 24, 2018 @ 6

Training Session

Executive Session

September 24, 2018

Agenda deadlines:

14 days before Meetings	(9/11/18)	Water Commission and Staff items are due
11 days before Meetings	(9/14/18)	Water Commission Chair review agenda. • City Attorney is sent the agenda to approval
7 days before Meetings	(9/18/18)	Post Agenda on bulletin board • Water Commission will receive packet (allowing a day and half for corrections and additional information to be added)
5 days before Meetings	(9/20/18)	Post Agenda Packet to City Website @ noon
4 days before Meetings	(9/21/18)	(72 hours) – Local Government Code requirement for posting

City Council = Red

Impact Fee Committee = Pink

Quarry Commission = Purple

Planning & Zoning = Green

Water Commission = Blue

Wildlife Management Advisory Commission = Brown

July 4th/Holiday= City Events

Sun	Mon	Tues	Wed	Thur	Fri	Sat
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						

Approval

1. Minutes 7-28-18

Recommendation

Discussion/Reports

1. Water Manager Report
2. City Council Update
3. Future Agenda Items
 - a. Set next meeting (if necessary) October 23, 2018 @6

Training Session

Executive Session

PENDING FUTURE AGENDA ITEMS

- Water Rate Study

UPCOMING EDUCATION/TRAINING SESSIONS