

## Public Works Director Report

September 2021

*Demand- average daily demand was 505,000 Gallons per Day (G.P.D.)*

*Total Monthly Production – 15,175,000 gallons*

*Pumping Capabilities -3.5 Million Gallons per Day (MGD)* the daily pumping capability is a combined figure representing the Somervell County Water District's daily pumping capability in addition to the production capabilities of 5 water wells owned and operated by the City of Glen Rose.

- **Water Well #4 Replacement Project**

On February 18, 2021, the city received a letter from the TCEQ acknowledging that the minimum requirements for the construction of the new well have been met. The well is approved for use temporarily, and the continued use of the well is based on the following conditions. Additional chemical analysis performed by TCEQ is required, along with routine tap sampling for lead and copper during two consecutive six-month periods, and water quality parameter sampling (WQP). A new 150' sanitary control easement will be required as well. The additional sampling is considered standard procedures when there is an additional source of drinking water added to a public water system. After successful monitoring with no action level exceedances the water system will be eligible to have a reduced monitoring schedule again. TCEQ collected water samples from the new well, for chemical analysis on Wednesday September 1, 2021. Environmental Laboratory Services collected water quality parameter (WQP) samples on Thursday September 23, 2021. The WQP samples will now be collected on a quarterly schedule for the next three quarters.

- **Grand Avenue Lift Station Reconstruction Project**

The Texas Water Development Board (TWDB) issued a letter to the city on January 3, 2021, acknowledging the review, and acceptance, of the contract documents for the lift station project. The pre-construction conference was held at City Hall on Thursday January 14, 2021. A Notice to Proceed letter was issued to Rey-Mar Construction on Monday, January 25, 2021. The estimated number of days for construction completion is 230 days. Rey-Mar Construction began excavation at the project site on Monday, February 22. The wet-well has been installed, along with the additional manhole (change-order No.1). Backfilling, and compaction, have been completed around the wet-well and manhole. The dry auger bore, crossing Barnard Street to the north, and up the hill to the electrical panel site, has been completed, along with the installation of electrical conduits. The concrete slabs have been poured for the electrical panels, and junction boxes. The electrical contractor will begin

pulling wire through the conduits, and installing the control panels. Site clean-up on the south side of the Paluxy River (along the Riverwalk) will begin this week. Substantial completion for this project is expected to be within the next 5 weeks.

- **Well #4 100,000 Gallon Ground Storage Tank Replacement Project**

The plans and specifications for the proposed replacement ground storage tank at Well Site No.4 have been completed and were submitted to the Texas Commission on Environmental Quality (TCEQ) for review on Wednesday, January 20, 2021. Included in the submittal were photos of the existing problems, and a letter from the engineer, requesting an expedited review process, due to the nature of the existing situation. On February 19, 2021 Enprotec/Hibbs & Todd received a letter from the TCEQ notifying them of the successful review and acceptance of the plans and specifications that were submitted on January 20<sup>th</sup>. Bids were accepted at City Hall until March 31, 2021 at 2:30 pm. There was a total of four bids received, opened publicly and read out-loud. City Council awarded the project to Dake Construction at the April meeting and the construction documents have since been signed. A pre-construction conference was completed on Friday June 4<sup>th</sup>. Dake Construction has completed the fabrication, and painting, of the welded steel ground storage tank at Well Site # 4. The new steel tank was disinfected and filled on Monday September 27<sup>th</sup>. A bacteriological sample was collected and delivered to Bio-chem Lab. A temporary suction line has been installed, and will remain in use while the old tank is being demolished. Thursday, October 7<sup>th</sup> the old tank will be retired, and we will begin utilizing the new steel tank. Once the old tank is out of the way, the permanent supply lines will be installed. A demolition team will begin working to dismantle the galvanized tank on October 11<sup>th</sup>. The project is currently ahead of schedule with the final completion date set at January 3, 2022 in the contract documents. It appears that the project will be completed sometime in November.

- **Hwy 67 East & CR 303 Wastewater Collection System Improvements Project**

Sealed bids were accepted at City Hall until May 18, 2021. A total of seven bids were accepted. The bids were opened publicly and read aloud. FM Utilities, LLC was the lowest qualified bidder with a bid of \$472,840.51. City Council awarded the contract to FM Utilities, LLC at the April meeting. A Notice of Award letter has been submitted to FM Utilities along with contract documents. The executed contract documents have been received and the pre-construction conference was held on July 1<sup>st</sup> at City Hall. A notice to proceed has been issued dated July 12, 2021. The number of calendar days for substantial completion of the project was set at 120 days. The required final completion date is October 29, 2021. After the Notice to Proceed letter was issued, it was discovered that there was a shortage of sewer pipe available to the contractors. Therefore we have had a delay in the project start

date. The pipe has since been delivered (on Monday August 2<sup>nd</sup>) to the job-site and mobilization of equipment and other materials have begun. The Hwy 67 bore, from the south side of Hwy 67 to Bull Adams Lane, has been successfully completed. Installation of the portion of the wastewater collections main to the western end of the project has begun. The sewer collection improvements on the south side of Hwy 67 are nearing completion. This accounts for over half of the work. The portion of the project along Bull Adams Lane should move at a faster pace for several reasons. This section of pipe will not be as deep underground, and a much less restrictive work area to name a couple. Estimated completion of the project is mid-November.

- **Emergency Back-up Power for Well Sites & Lift Stations**

An emergency on-site generator has been ordered for the Public Works maintenance facility. It will operate off of natural gas, and is large enough to power the entire facility. Having an alternate source of electricity at the maintenance facility will enable constant, uninterrupted communications with the SCADA system, ensuring a much faster response time when problems arise. Also, two used generators have been purchased from Federal Surplus Properties. One will constantly supply on-site emergency power at Well Site No. 3, and the other will be mounted on a trailer for use at six of eight different sewer lift stations. Each of the eight existing lift stations are equipped with a quick connect and a transfer switch to allow for a quick, alternate power source. The city already owns a trailered generator capable of powering the remaining two lift stations, as well as, the water well sites. We are planning to equip each water well site with emergency quick connects, and transfer switches. Once the equipment has been purchased and installed, a written plan will be created for city staff to utilize during emergency situations.

- **Spanish Oak Trail & Hilltop Drive Water Line Improvements Project**

This project is currently in the design phase with Enprotec/Hibbs and Todd. *The existing section of 10" a/c water line that was recently identified along Hereford Street (from the 700 block of Hereford Street to City Well Site No.3 near Tom Rumph Road) has been added to the scope of work for this water line improvements project. The project engineers have had their survey crew surveying the job-site during the first week of August.*

- **Valleyview Street Re-construction Project**

This project is currently in the design phase with Enprotec/Hibbs & Todd.

# MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING GROUNDWATER SOURCES  
OR ARE PURCHASING TREATED WATER FROM ANOTHER PUBLIC WATER SYSTEM

PUBLIC WATER SYSTEM NAME: City of Glen Rose

PWS ID No.: 213000

Report for the Month of: Sep 2021

Number of Active Service Connections this Month: 1308

WATER PRODUCTION						
Pumpage to storage and distribution X 1000 Gals						
Date	From Wells Directly to Distr.	From Wells to Storage Tanks	Purchased Water Directly to Distr.	Purchased Water into Storage	From SWTP or GWUDI Plant	Total Daily Production
1		479		0		479
2		560		0		560
3		501		0		501
4		471		0		471
5		478		0		478
6		635		0		635
7		554		0		554
8		453		0		453
9		488		0		488
10		441		0		441
11		432		0		432
12		<del>627</del>		0		<del>627</del>
13		<del>465</del>		0		<del>465</del>
14		490		0		490
15		507		79		586
16		522		82		604
17		347		21		368
18		446		0		446
19		639		0		639
20		498		0		498
21		478		1		479
22		547		0		547
23		566		0		566
24		420		11		431
25		450		72		522
26		634		0		634
27		450		0		450
28		470		0		470
29		389		0		389
30		471		0		471
31						
Total		14,908		267		15,175
Avg		496				505
Max		639				639
Min		347				368

Any additional information you wish to provide: \_\_\_\_\_

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: [Signature]

Date: 9-30-21

Certificate No. and Class: W90015747