Public Works Director Report

March 2022

Demand- average daily demand was 401,000 Gallons per Day (G.P.D.)

Total Monthly Production – 12,448,000 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.

***Any new updates to each item are outlined in red**

- **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 has completed the process of pulling wire through the conduits, and installing the control panels. Site clean-up on the south side of the Paluxy River (along the Riverwalk) has also been completed. The fence around the perimeter of the wet-well, and vaults has been erected and final grade has been established in and around the fenced area. We are currently waiting for TNMP Co. to install the electrical service. The pumps and controls will be tested and commissioned once TNMP has completed their installation process. Substantial completion for this project is expected to be before Thanksgiving. TNMP Company completed the installation of the electrical main and service to the new lift station electrical panel site. The contractor has completed the wiring inside the panels, and we are waiting for a scheduled date/time for the test run on the new pumps and motors. Once a successful test run has been accomplished, the old sewer line will be cut/capped, and the new line will be tied in. The old existing wet well will then be demolished. Rey-Mar Construction has communicated with the electrical/controls sub-contractors. There is currently a supply chain issue with the SCADA Pack PLC unit needed to complete the installation and testing of the SCADA system portion of the controls. The SCADA system installation will be expedited once the components

arrive. The pumps and motors were successfully tested, and commissioned on March 28, 2022. The old lift station was left operational until April 4, 2022, to provide an alternative if any unforeseen problems arose with the new lift station. Demolition of the old L.S. was started on April 4, 2022. The decision was made to do a start-up without SCADA, using a conventional float system. This will allow us to utilize the new L.S. until the SCADA system is installed at a late date.

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

  An emergency on-site generator has been installed, tested, and is currently supplying emergency back-up power for the Public Works maintenance facility. It operates 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, three used generators have been purchased from Federal Surplus Properties. One will constantly supply on-site emergency power at Well Site No. 3. Another will supply power at well No. 2, 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. New emergency preparedness planning requirements for all water utilities in Texas require that the Public Water System complete critical load notifications to each electrical utility provider, retail provider, the Public Utility Commission (PUC), and the County Emergency Management office. This notification identifies the locations of each critical needs facility, and gives a general description, along with emergency contact information. The deadline for this notification was November 1st. Additionally, the Public Water System must submit to TCEQ an Emergency Preparedness Plan (EPP) no later than March 1, 2022, and implement the EPP no later than July 1, 2022, or upon final TCEQ approval. We are currently waiting on the automatic transfer switches, disconnects, power cords, plugs, etc. from the electrical supplier. There is currently a big demand for the electrical components as all water/wastewater plants are coming in to compliance with the new rules, so there is a lull in receiving the electrical components needed to be able to utilize the back-up generators. However, the supplier that we are using has indicated that our parts are close to being shipped. An electrical contractor completed the installation of an automatic transfer switch at Well Site No.3. Well Site No.3 is considered to be our largest production point in the distribution system, so this is very beneficial to the water system. We have received shipment of the automatic transfer switches for the remaining water well sites. Installation of the switches will be prioritized and scheduled for each remaining site. The Emergency Preparedness Plan has been submitted to the Texas Commission on Environmental Quality for review and possible approval. No later than July 1, 2022, or upon final TCEQ approval, the EPP must be implemented by the water utility.

- **Street Crack Sealing**

  City staff have begun the process of sealing cracks in the pavement on city streets that are paved with "chip seal". This is a project that is recommended to be performed during the winter months. We feel like the "chip seal" streets are more vulnerable to failures so this is where we are focused first. The plan is to continue crack sealing when feasible until late spring. Van Zandt, Texas Drive, 312 (from Tres Rios to Paluxy Summit), Rhett Butler Drive, Bluebonnet, and Glenwood Street have been completed. Lakeview, Wren, and Robin Streets have been completed.

- **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.***

  eHT has provided the preliminary/planning information to Public Management (grant consultant) so they can perform the environmental clearance and grant documentation. eHT is continuing with the design and anticipates design completion in April of 2022, following with bid advertisement in May 2022, and potential award of the project in June of 2022. This would correlate to a July/August 2022 construction start with an estimated completion in October or November of 2022.

- **Valleyview Street Reconstruction Project**

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

  eHT is currently in design phase of the project and anticipates having a design review meeting with City Staff in late April 2022, with design completion following. This project is anticipated to be advertised for bids in May of 2022, and possibly awarded in late May or June of 2022. Construction is estimated to begin in July of 2022 with an estimated completion in September of 2022.

- **Rock Ridge Estates Sub-Division**

  City staff continue to monitor and inspect daily, the construction of the proposed infrastructure in Phase 1 of the Rock Ridge Estates Sub-division, ensuring that the improvements are installed, or constructed in accordance with the engineered plans and specifications provided by the developer, and reviewed and approved by Enprotec/Hibbs & Todd.

- Rosewood Addition (Phase II)

  City staff continue to inspect the construction of the proposed infrastructure in the Phase II portion of the Rosewood Addition. This phase is 12 lots and includes drainage improvements, water, sewer, and concrete paving.

- TCEQ Inspection for Water System

  An annual compliance investigation of the City of Glen Rose Water System was conducted on March 30, 2022. This is usually a routine inspection that is coordinated by the TCEQ at least once every three years. The inspection includes reviewing required record retention, and site visit to each water well site. A normal inspection takes 4-6 hours. I am happy to report that everything is in compliance.

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.: 2130001

Report for the Month of: March 2022 Number of Active Service Connections this Month: 1302

	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		0		367		367
2		0		433		433
3		0		365		365
4		0		378		378
5		0		325		325
6		0		398		398
7		0		363		363
8		0		347		347
9		0		354		354
10		0		357		357
11		240		173		413
12		382		0		382
13		386		0		386
14		369		0		369
15		87		274		361
16		0		464		464
17		0		395		395
18		0		396		396
19		0		384		384
20		0		419		419
21		0		322		322
22		0		374		374
23		0		342		342
24		0		505		505
25		0		387		387
26		0		383		383
27		145		455		600
28		0		473		473
29		0		494		494
30		0		436		436
31		60		516		576
Total		1669		10379		12448
Avg		53		347		401
Max		386		516		600
Min	-	0		0		322

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: Ted Wall Date: 4-1-22

Certificate No. and Class: WG0012979

TCEQ - 0811 (DRAFT 7-4-06)