

Public Works Director Report

January 2021

Demand- average daily demand was 308,000 Gallons per Day (G.P.D.)

Total Monthly Production – 9,564,000 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. *The conference call with the Texas Water Development Board, on December 17th went well. The discrepancies were settled, and the TWDB grant monies will now be remitted to the city. The contractor has since been paid, and we are expecting a start-up schedule for a test run on the new pumps and motors.*

- **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.

- **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.

- **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 March of 2022, following with bid advertisement in April 2022, and potential award of the project in May of 2022. This would correlate to a July 2022 construction start with an estimated completion in October or November of 2022.

- **Valleyview Street Re-construction 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 January 2022, and design completion in February 2022. This project is anticipated to be advertised for bids in March of 2022, and possibly awarded in April of 2022. Construction is estimated to begin in June of 2022 with an estimated completion in September of 2022.