Public Works Director Report

December 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.

- **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 20th. 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 4th. 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 27th. A bacteriological sample was collected and delivered to Bio-chem Lab. The old tank has been demolished and removed from the property. The new water lines have been installed, and the final grade has been established, and seeded with grass. A final inspection was performed at the Well Site 4 G.S.T. on November 11, 2021. There was one item noted that needed attention (pipe insulation). It was determined that substantial completion has been established, even though the insulation was not complete. Upon installation of the pipe/water valve insulation, the 5% retainage ($15,663.75) will be paid. Final completion of this project has been established, and the 5% retainage has been paid to the contractor.

- **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 May 25th City Council 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 1st 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. Therefor we have had a delay in the project start date. The pipe has since been delivered (on Monday August 2nd) 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. The sewer main has been completely installed along Bull Adams Lane, from Rainbow Village RV Park, to the northwest corner of the Squaw Valley Meadows Sub-division. Estimated completion of the project is mid-November. Substantial completion for the project was established on November 22, 2021. An inspection was performed with FM Utilities, Chris Hay, and city staff to develop a punch-list of items before final completion can be considered. Pay App. No.(s) 1 & 2 have been paid by the city. A 5 % retainage ($23,642.03) will be held back until all punch-list items have been completely resolved. Four of the five items have been resolved. Final completion of this project has been established, and the 5% retainage has been paid in full to the contractor.

- **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 began installation of an automatic transfer switch at Well Site No.3 on Monday, January 3rd. Well Site No.3 is considered to be our largest production point in the distribution system, so this will be a very

beneficial addition to the water system. We are currently still waiting for shipment of the electrical components needed at the remaining water well sites.

- **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.

# 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: Dec. 2021 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 | | 333 | 0 | 0 | | 333 |
| 2 | | 376 | 0 | 0 | | 376 |
| 3 | | 267 | 0 | 0 | | 267 |
| 4 | | 341 | 0 | 0 | | 341 |
| 5 | | 391 | | 0 | | 391 |
| 6 | | 320 | | 5 | | 325 |
| 7 | | 0 | | 294 | | 294 |
| 8 | | 0 | | 391 | | 391 |
| 9 | | 0 | | 331 | | 331 |
| 10 | | 0 | | 303 | | 303 |
| 11 | | 0 | | 355 | | 355 |
| 12 | | 0 | | 317 | | 317 |
| 13 | | 0 | | 323 | | 323 |
| 14 | | 0 | | 313 | | 313 |
| 15 | | 0 | | 329 | | 329 |
| 16 | | 253 | | 104 | | 357 |
| 17 | | 287 | | 0 | | 287 |
| 18 | | 309 | | 0 | | 309 |
| 19 | | 398 | | 0 | | 398 |
| 20 | | 282 | | 55 | | 337 |
| 21 | | 0 | | 278 | | 278 |
| 22 | | 0 | | 270 | | 270 |
| 23 | | 0 | | 276 | | 276 |
| 24 | | 0 | | 344 | | 344 |
| 25 | | 0 | | 282 | | 282 |
| 26 | | 0 | | 277 | | 277 |
| 27 | | 0 | | 329 | | 329 |
| 28 | | 0 | | 324 | | 324 |
| 29 | | 0 | | 309 | | 309 |
| 30 | | 0 | | 304 | | 304 |
| 31 | | 0 | | 332 | | 332 |
| Total | | 3,159 | | 6405 | | 9,564 |
| Avg | | 101 | | 206 | | 308 |
| Max | | | | | | |
| Min | | | | | | |

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: 12-31-21

Certificate No. and Class: WG0015747