

## Public Works Director Report

October 2024

*Demand- average daily demand was 483,000 Gallons per Day (G.P.D.)*

*Total Monthly Production – 14,977,000 gallons*

- **Glen Rose Condominiums (behind Baymont Inn & Suites)**

A developer is planning to develop this unique property. An extensive drainage study has already been provided by Barron-Stark Engineering, and reviewed by Chris Hay. The study proved that development of the property will not negatively impact any properties downstream. There is an existing sewer main running through the property that is currently scheduled for an upgrade in size from 10" to 15". This work will need to be completed before the development. City staff, Chris Hay, and the development team have been discussing the best possible scenario to upgrade the utilities without holding up the development of the property. We have discussed the possibilities of a development agreement allowing the developer to incur the initial costs for construction and then be reimbursed by the city once the project has been completed. The civil plans for the development have been issued to the city for review and comments. Chris Hay has completed the civil plan review and provided comments for the developers engineer. Once the comments have been addressed a pre-construction meeting will be scheduled. *A pre-construction meeting has not yet been scheduled.*

- **Well No.3 - Well No.5 Ground Storage Tank Replacement Project**

**Contract Effective Date 8/29/2024 Target Completion Date 5/26/2025**

The plans were submitted to the TCEQ for design review on March 14th. The TCEQ provided written approval for construction of the two ground storage tanks on May 13, 2024. The project is currently being advertised for competitive bids. Bids will be accepted at City Hall until 2:30pm on July, 11, 2024 and then opened publicly. The bid was awarded at the July 23<sup>rd</sup> City Council Meeting to TTE, LLC as the lowest, qualified bidder, with a bid amount of \$1,211,170.00. A pre-construction meeting was completed on August 28<sup>th</sup> at City Hall, and a Notice to Proceed was issued with an official start date of August 29, 2024. *The engineer has received some of the submittals from the contractor to ensure that the proper products are used and the materials are within the specifications of the engineered plans. Once the submittals have been reviewed and approved by Chris Hay, the contractor will order the products. The dirt work began October 21<sup>st</sup>. The foundation for both tanks have been completed.*

- **Lead Service Line Inventory**

The Lead Service Line Inventory (LSLI) was successfully submitted to the TCEQ on October 12, 2024. The lead service line inventory investigation revealed that there are 298 galvanized water service lines that will have to be replaced within a ten-year period to remain in compliance with the TCEQ. The rule requires that the water system be responsible for ensuring that the proper service line material is installed from the water main to the structure. Most of the 298 galvanized services requiring replacement are from the water meter to the structure. The "city side", from the water main to the meter, in most cases has already been replaced along with new water mains. I will be working to devise a plan for replacing the services.

- **TxDOT- Safe Routes to School/Transportation Alternatives Project 2023**

A detailed application for TxDOT's 2023 Transportation Alternatives Call for Projects was completed and submitted to TxDOT on June 5, 2023. The project description is scoped to construct 1.76 miles of accessible sidewalks along Mary Lynn Drive, Stadium Drive, Walker Street, Holden Street, Shepard Street, US67, and FM56. Sidewalks will be 5' wide and 4" thick. The design work is being handled by a TxDOT consultant. The final design will have to meet the approval of the TxDOT Area Engineer for compliance. All of the sidewalk easements have been secured and filed with Somervell County. The required documentation has been provided to TxDOT so that the grant funds are not jeopardized. The project did make its scheduled August 2024 bid date. There was a good volume of bids submitted. Most bidders came in below the engineers estimate. The bid has not yet been awarded. I have been advised that the award process takes a couple of months and it will likely be sometime in October. The TxDOT Area Office has hired a Construction Inspection Engineering firm (BGE, Inc.) to assist on the field inspections during construction. Once the project has been awarded, TxDOT will notify the city.

- **Groundwater Study (Start Jan.19, 2024 Expected Completion Dec.19, 2024)**

Enprotec/Hibbs and Todd will be sub-consulting with RW Harden & Associates. The desktop analysis has begun, but the field work will not take place until sometime this summer. The final report is expected to be completed by mid-September. City staff accompanied Kaleigh Nuytens (RW Harden & Associates) to all 5 City well yards for site visits on July 18<sup>th</sup>. Since then, on August 1<sup>st</sup>, Santos and I attended a TEAMS meeting with Kaleigh and her team to nail down the proposed well head modifications at each, individual well site, to accommodate the aquifer testing plan that they have devised. We will be scheduling well testing dates for each

site once the modifications have been completed. The flow meter, and fittings have been received, and assembled. We are currently waiting for the schedule to begin testing. The field testing has been completed at Well Sites 3, 4, and 5.

- **Capital Improvement Plan Update/Impact Fee Study**

The Capital Improvements Plan update is nearing completion. Once the draft plan has been completed, Chris Hay will present the draft plan to city staff for review. City Council will then need to review and possibly approve the plan. The updated plan will be used in the development of impact fees. I received the **DRAFT CIP** on Thursday October 3<sup>rd</sup>. After reviewing the draft plan, there was one project that was overlooked and needs to be added to the plan before City Council review and possible approval.

- **Texas Community Development Block Grant (TxCDBG) Project**

This grant was applied for back in January of 2023 through Public Management, Inc. (Jake McAdams). The CDBG is administered by the Texas Department of Agriculture. The city was awarded \$500,000 to be utilized on drainage, and street improvements, specifically on the south side of the Paluxy River. The CDBG requires a \$25,000 match from local funds. The project scope will include re-construction of a portion of Clay Street, Webster Street, and Third Street, complete with new curb and gutter. The construction plans and specifications have been completed. Atmos Energy has been given an opportunity to review the plans before the street improvements begin. This will allow any old gas lines to be replaced, and any conflicts to be resolved before the street re-construction project begins. After coordinating with Atmos Energy, it appears that there are existing underground gas lines that will be in conflict with the street re-construction project. Because the gas lines are dated and too shallow, the lines will need to be replaced before the street re-construction project begins. We have agreed to yield to Atmos until early Spring of 2025. The plan is to advertise for acceptance of formal bids in late February- early March 2025. I have confirmed with Public Management that this proposed timeline will not jeopardize the grant funds. Atmos Energy is scheduled to begin utility work in November. The installation of new gas mains and services are scheduled for completion before the new year.

- **Well Site No.2 Pump Station Improvements**

Enprotec/Hibbs & Todd have begun the design work for the pump station improvements at Well Site No.2. The improvements will allow continuous use of the groundwater well enabling the system to be much more reliable. Also, upon project completion, this project will allow operators to fill the standpipe at Well Site No.4 (Bryan Street) from two different groundwater sources, in the event of a well failure, or if a ground storage tank is taken out of service. I met with the electrical engineers at Well Site 2, on Monday August 5<sup>th</sup>, to discuss proposed pump

types, locations, and options for upgrading the electrical service to comply with the existing codes. A lot of things have changed since 1954, when the original water well was drilled. Now would be a great time to bring everything into compliance, not just the new equipment. This will increase the project cost. I have asked for an expedited opinion of probable construction cost.

- **N.E. Barnard Street Sidewalk Project**

P.E. Carlos Aguilar from Freeman-Millican, Inc. provided a contract for engineering services for the N.E. Barnard Street sidewalk project (Grace St. to Big Rocks Park). The contract has since been executed, and the project area has been surveyed by Freeman-Millican, Inc. on May 7<sup>th</sup>-8<sup>th</sup>. I met with Carlos Aguilar on Wednesday, July 17<sup>th</sup> to discuss the sidewalk plans that were provided. Obviously, the further away from the edge of Barnard Street we can be, will be safer for everyone. However, it will likely be that we will need easements from property owners, as well as relocating various utility poles. This project is not going to be completed in the timeline that Carlos originally predicted. We will work hard to move things along as quick as we can. Kevin Taylor and I met with Carlos Aguilar on August 22<sup>nd</sup> to discuss the progress of the Barnard Street sidewalk project plans. The plans and specifications have been completed and the project is ready to advertise for acceptance of sealed bids. Now that the plans are complete, we will apply for a TxDOT permit for any areas of sidewalk constructed on the TxDOT right-of-way. Sidewalk easements will be needed for several properties. The easement surveys, and exhibits have been completed by Freeman Millican, Inc. The easement documents are now being prepared by an attorney. Once the property owners have signed the agreements, the documents will be filed with Somervell County. The job will then be advertised for bid acceptance.

## **FYI...**

- Joe Campbell completed Basic Wastewater Operations training at the North Central Council of Governments facility in Arlington. He will be scheduled to take the exam after the required background check has cleared.
- 9 street lights were reported to TNMP for repair.

# 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:

October 2024

Number of Active Service

Connections this Month:

1426

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		493		1		494
2		455		0		455
3		500		5		505
4		451		0		451
5		454		0		454
6		551		1		558
7		466		0		466
8		479		0		479
9		461		0		461
10		511		0		511
11		461		0		461
12		473		0		473
13		534		0		534
14		532		0		532
15		564		0		564
16		422		0		422
17		465		0		465
18		456		0		456
19		503		0		503
20		506		0		506
21		469		0		469
22		442		57		499
23		432		51		483
24		457		53		510
25		435		20		455
26		472		0		472
27		532		0		532
28		270		122		392
29		354		182		536
30		361		72		433
31		445		1		446
Total		14410		565		14977
Avg		465		18		483
Max		564		182		564
Min		270		0		392

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 Wirth

Date:

11.1.24

Certificate No. and Class:

WG0012979

WASTEWATER TREATMENT PLANT LOG

City of Glen Rose

WWTP Name:

Month/year:

October-24

Chief Operator :

Lance Powell

Day	Time	Final Effluent Flowmeter (X100)	Final Effluent (MGD)	Golf Course Flowmeter (X100)	Golf Course Effluent (MGD)	Total Effluent (MGD)	Inst. (GPM)	Staff Gauge (Inches)	PH	Time C12 Sample Collected	Time C12 Sample Analyzed	Chlorine Res. Before Correc.	Mn Correc.	Chlorine Res. After Correc.	Chlorine Free (min. 0.5)	Chlorine Feed Rate (lbs / Day)	Chlorine Available (lbs)	Chlorine Used (lbs)	Blower Filter Check (wkly)	Temp. °F	Weather Condition	Rain In.	Oper Init.
	EOM #	515950		201144																			
1		516466	0.052	203233	0.209	0.261																	
2		516939	0.047	205132	0.190	0.237																	
3		517372	0.043	206949	0.182	0.225																	
4		517811	0.044	208795	0.185	0.229																	
5		518353	0.054	211091	0.230	0.284																	
6		518694	0.034	212354	0.126	0.160																	
7		519198	0.050	214568	0.221	0.272																	
8		519616	0.042	216295	0.173	0.215																	
9		521490	0.187	216692	0.040	0.227																	
10		522944	0.145	216692	0.000	0.145																	
11		524715	0.177	216692	0.000	0.177																	
12		526441	0.173	216692	0.000	0.173																	
13		528962	0.252	216692	0.000	0.252																	
14		531341	0.238	216692	0.000	0.238																	
15		534230	0.289	216692	0.000	0.289																	
16		537067	0.284	216692	0.000	0.284																	
17		537552	0.049	218773	0.208	0.257																	
18		537934	0.038	220412	0.164	0.202																	
19		538222	0.029	222271	0.186	0.215																	
20		538672	0.065	224183	0.191	0.256																	
21		539255	0.038	225963	0.178	0.216																	
22		539798	0.054	227864	0.190	0.244																	
23		539862	0.006	230873	0.301	0.307																	
24		539879	0.002	232833	0.196	0.198																	
25		539917	0.004	236144	0.331	0.335																	
26		539968	0.005	239554	0.341	0.346																	
27		539995	0.003	241683	0.213	0.216																	
28		540002	0.001	243540	0.186	0.186																	
29		540042	0.004	246073	0.253	0.257																	
30		540396	0.035	248164	0.209	0.245																	
31		540722	0.033	250285	0.212	0.245																	

Total Flow:  
Average Flow:

7,391,300  
238,429

CL2 Min:  
CL2 Max:

0.00  
0.00

Write Comments on Back

Operator:

TOTAL GALLONS OF EFFLUENT TO SQUAW VALLEY G.C. - OCTOBER 2024  
4,915,000 GALLONS