

# Elizabethton Water Resources Construction Report: Month Ending October 21, 2021

**Summary:** With the weather initiating its seasonal shift, so has the department's focus; namely, follow-up work and leaks within roadways. As a reflection of growth within the City, numerous water and sewer taps have recently been completed. The department also welcomed a new Administrative Assistant, Suzanne Williams, to begin training with the outgoing assistant, Sharon Banner. With over 43 years of service to the City, Sharon will spend her last few weeks helping to pass on some of her well-earned knowledge.

Sewer inspection crews have completed smoke testing of the Cherokee Pump Station sewer shed. The final data has yet to be compiled and analyzed; however, staff noted that the largest concentration of visible inflow and infiltration sources seem to be located SW of S Sycamore Street toward Southside Road. Several staff will also be preparing for the upcoming state operator certification exam to gain their collections system license.

Aside from the new customer taps, steady progress has been made toward distribution system rehabilitation. Continuing the goal of reducing water loss, crews were able finalize projects removing galvanized lines on West D Street, East E Street, and White Road, where other main lines existed. Additionally, the water line-laying crew is completing the final segment of horizontal drilling on Kathy Bowers Road as the last segment of a four street replacement project.



Sewer personnel complete a line repair to allow access for investigation near Williams Avenue.

## WATER

Distribution Data:	October 2019	October 2020	October 2021	Total 2019-20	Total 2020-21	To-Date 2021-22**
Galvanized Replaced/Taken out of Service (LF)	0	0	1,880	16,465	17,295	4,756
Galvanized Laterals Replaced (LF)	---	0	0	383	720	306
Other Laterals Replaced (LF)	---	900	0	8,351	1,516	120
Large Diam. Replaced/Taken out of Service (LF)	0	0	0	4.5	0	0
<b>Total Replaced/Taken out of Service (LF)</b>	<b>0</b>	<b>900</b>	<b>1,880</b>	<b>25,203.5</b>	<b>19,531</b>	<b>5,176</b>
Total Leaks Repaired	42	20	25	361	326	155
Total Leaks False Reports	9	4	5	112	103	38
Total Leaks Left to Repair	34	29	50	---	---	---
Number of Meters Replaced	16	5	15	243	447	65
Customer Complaints	4	5	3	71	43	19
Overtime	79.5	39.25	35	778.75	653.5	327
<b>Total Job Tickets</b>	<b>89</b>	<b>120</b>	<b>87</b>	<b>1,327</b>	<b>937</b>	<b>483</b>

\*Lateral data added to reflect operational changes

\*\*Most current corrected data as of 10/21/2021

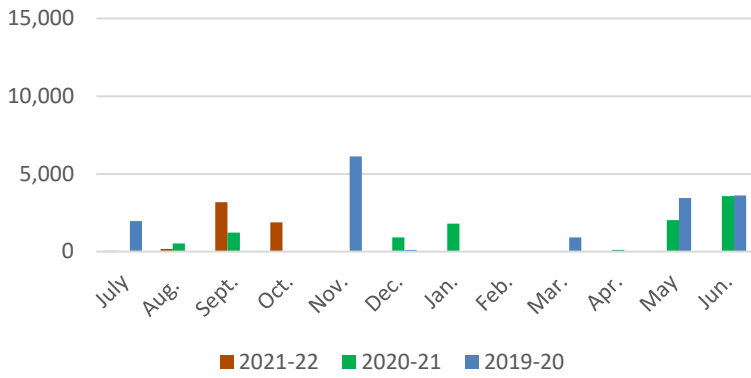
## SEWER

Collection Data:	October 2019	October 2020	October 2021	Total 2019-20	Total 2020-21	To-Date 2021-22**
Number of Sewer Lines Washed	13	14	16	211	242	73
Number of Lines Filmed	1	6	6	36	60	18
Main Line Replaced/Out of Service (LF)	---	---	0	---	506	54
Laterals Replaced/Out of Service (LF)	---	---	50	---	2,364	320
Total Number of Residential Pump Repairs	7	2	3	38	48	14
Total Number of Stop Ups	17	24	13	236	265	76
Overtime	81.5	169	75.5	1,126.05	1,021.05	370.5
<b>Total Job Tickets</b>	<b>75</b>	<b>83</b>	<b>64</b>	<b>901</b>	<b>943</b>	<b>294</b>

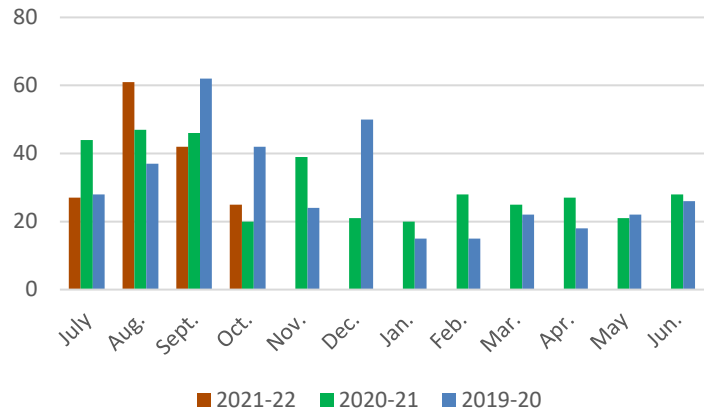
LF=Linear Feet

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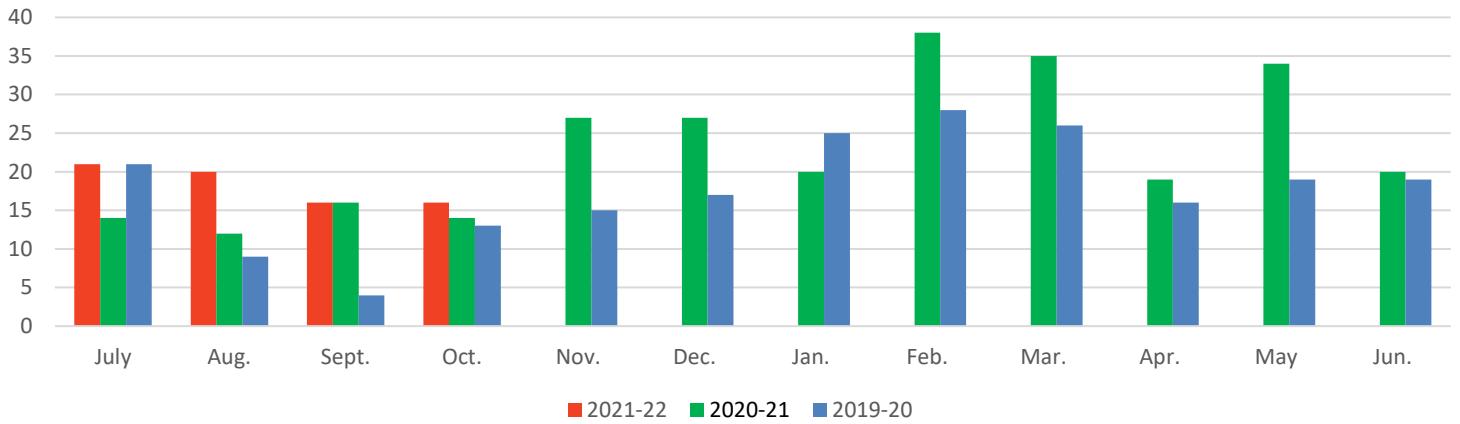
**Galvanized Line:  
Footage Removed from System**



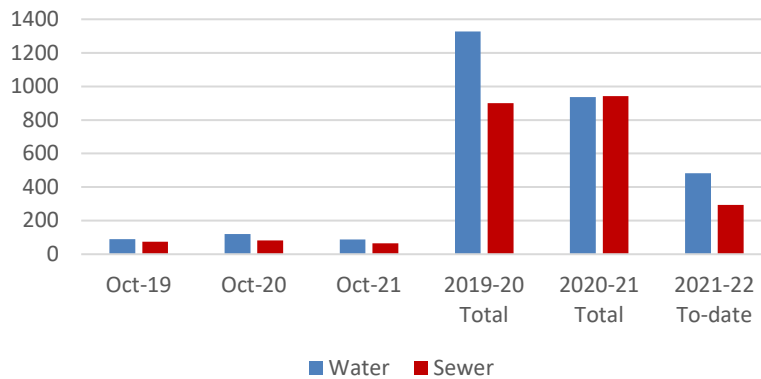
**Water Line Leaks Repaired**



**Number of Sewer Lines Washed**



**Total Job Tickets**



Repair Data:	October 2019	October 2020	October 2021	Total 2019-20	Total 2020-21	To-date 2021-22**
Number of Yards Repaired	2	67	21	362	274	155
Total Number of Streets Repaired	16	18	5	147	107	32
Total Number of Sidewalks Repaired	0	0	4	43	18	16
Follow-up Repairs Outstanding	95	70	112	---	---	---

\*\*Most current corrected data as of 10/21/2021