

# Elizabethton Water Resources Construction Report: Month Ending December 28, 2021

**Summary:** Water Resources would like to congratulate, and offer best wishes to, Water Resources Administrative Assistant Sharon Banner as she begins her journey into retirement at the end of December. Sharon has been invaluable to the department, taking with her nearly 43 years of experience and will not be easily replaced.

Concerning water progress, several large main-line leaks have been repaired. Most notably, the 12" line repair at Tipton Street and Stateline Road, and the 14" line repair on Elk Avenue near the intersection of Bemberg; crews worked diligently to restore service quickly in all cases. Also, during the month, the department conducted a demonstration of a new leak correlating device. This equipment is placed on two separate valve boxes within a line segment to pinpoint a leak. As shown in the picture of the subsequent repair, the demonstration went well and highlighted the accuracy of the device. Two more demonstrations with other manufacturers are scheduled to try and identify the best overall product, but a leak correlator may become a valuable tool for finding the numerous leaks that otherwise never surface.

Sewer crews remained busy responding to customer concerns and blockages, several of which required emergency excavations and inspection work to restore service. All the City's CCTV equipment has required repairs during the past month and are now in working order. While inspection capability has been restored, some components may need to be replaced or upgraded in the near future as wear and tear begins to have an impact on longevity.



Main line leak repair on Westwood Street that was identified by the leak correlator.

## WATER

Distribution Data:	December 2019	December 2020	December 2021	Total 2019-20	Total 2020-21	To-Date 2021-22**
Galvanized Replaced/Taken out of Service (LF)	100	904	60	16,465	17,295	4,816
Galvanized Laterals Replaced (LF)	--	80	20	383	720	336
Other Laterals Replaced (LF)	--	0	0	8,351	1,516	120
Large Diam. Replaced/Taken out of Service (LF)	--	0	0	4.5	0	0
<b>Total Replaced/Taken out of Service (LF)</b>	100	984	80	25,203.5	19,531	5,266
<b>Total Leaks Repaired</b>	50	21	23	361	326	238
<b>Total Leaks False Reports</b>	20	10	4	112	103	51
<b>Total Leaks Left to Repair</b>	36	15	22	---	---	---
<b>Number of Meters Replaced</b>	28	10	26	243	447	107
<b>Customer Complaints</b>	15	4	3	71	43	25
<b>Overtime</b>	116.5	82.5	53	778.75	653.5	473
<b>Total Job Tickets</b>	217	58	59	1,327	937	695

\*Lateral data added to reflect operational changes

\*\*Most current corrected data as of 12/28/2021

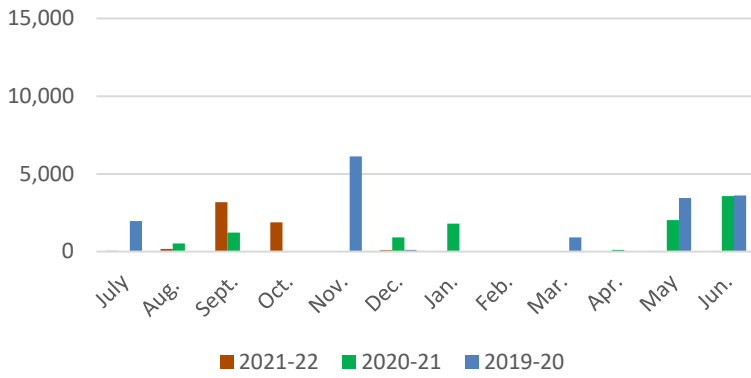
## SEWER

Collection Data:	December 2019	December 2020	December 2021	Total 2019-20	Total 2020-21	To-Date 2021-22**
Number of Sewer Lines Washed	17	27	33	211	242	134
Number of Lines Filmed	2	6	13	36	60	43
Main Line Replaced/Out of Service (LF)	---	---	14	---	506	68
Laterals Replaced/Out of Service (LF)	---	---	95	---	2,364	516
Total Number of Residential Pump Repairs	2	5	6	38	48	24
Total Number of Stop Ups	29	35	35	236	265	135
<b>Overtime</b>	193.5	90.5	92.5	1,126.05	1,021.05	556.5
<b>Total Job Tickets</b>	87	78	96	901	943	489

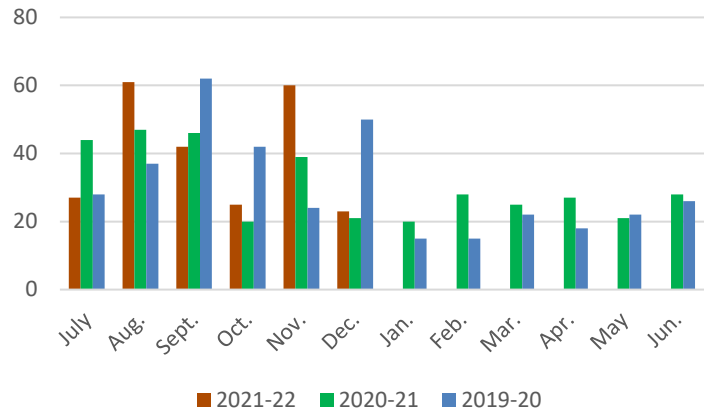
LF=Linear Feet

\*\*Most current corrected data as of 12/28/2021

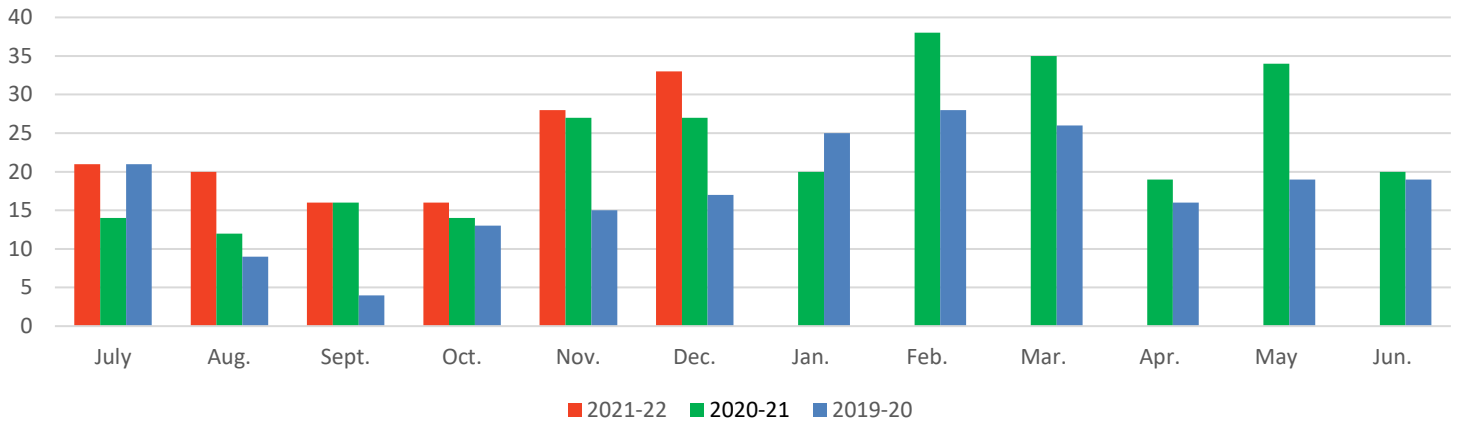
**Galvanized Line:  
Footage Removed from System**



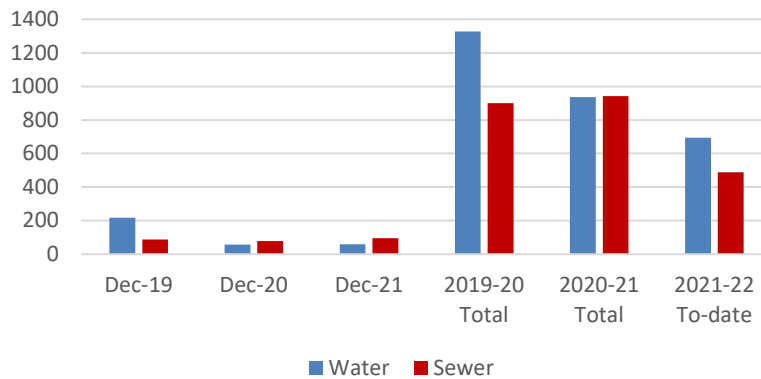
**Water Line Leaks Repaired**



**Number of Sewer Lines Washed**



**Total Job Tickets**



Repair Data:	December 2019	December 2020	December 2021	Total 2019-20	Total 2020-21	To-date 2021-22**
Number of Yards Repaired	107	0	1	362	274	166
Total Number of Streets Repaired	2	1	0	147	107	84
Total Number of Sidewalks Repaired	20	7	11	43	18	27
Follow-up Repairs Outstanding	103	99	161	---	---	---

\*\*Most current corrected data as of 12/28/2021