

# Elizabethton Water Resources Construction Report: Month Ending August 19, 2020

**Summary:** Productivity was strong in August as the department addressed customer concerns, repaired leaks, and identified defects within the sewer system. Despite personnel shortages associated with ongoing pandemic restrictions, staff maintained both systems and responded to emergencies as they came up with no major issues.

The line-laying crew completed the installation of a new 2" main line on Earl South Road, Customer tie-overs and disconnecting the old main line will soon be completed and staff will move on to other loose ends before moving back into the Milligan area. Leak crews shuffled a heavy workload with increased taps, several main line repairs, and higher than normal numbers of customer complaints from lateral leaks.

Sewer crews experienced an equally busy month, inspecting and repairing line deficiencies, and ensuring proper operation of pump stations. Most notably, crews replaced nearly 65' of 6" main line on Sunset Avenue in East Side due to defects identified in the line. Furthermore, through investigations while locating a buried manhole, crews identified approximately 100' of main interceptor requiring replacement within Sycamore Shoals State Park. This has become a high priority project because of environmental concerns and the possibility of state violations if left unattended. Staff has been in contact with park officials and plans to install two new manholes and replace a section of pipe with ductile iron are now underway.



Crews complete a water line repair near the County Extension Office.

## WATER

Distribution Data:	August 2018	August 2019	August 2020	Total 2018-19	Total 2019-20	To-Date 2020-21**
Galvanized Replaced/Taken out of Service (linear feet)	2,661	0	532	18,782	16,465	532
Galvanized Laterals Replaced (linear feet)	---	---	0	---	383	0
Other Laterals Replaced (linear feet)	---	---	0	---	8,351	0
Large Diam. Replaced/Taken out of Service (linear feet)	---	0	0	1,785	4.5	0
Total Replaced/Taken out of Service (linear feet)	2,661	0	532	27,139*	25,203.5	532
Estimated Gallons Lost for Leaks from Report Date to Repair Date	4,402,140	6,485,130	7,125,935	44,846,292	87,933,420	13,176,455
Total Leaks Repaired	41	37	47	369	361	91
Total Leaks False Reports	5	10	14	93	112	25
Total Leaks Left to Repair	24	43	29	---	---	---
Number of Meters Replaced	70	34	11	493	243	17
Customer Complaints	5	11	2	80	71	6
Overtime	54.5	67.25	46	678.75	778.75	92
Total Job Tickets	129	102	117	1,365	1,327	230

\*Lateral data added to reflect operational changes

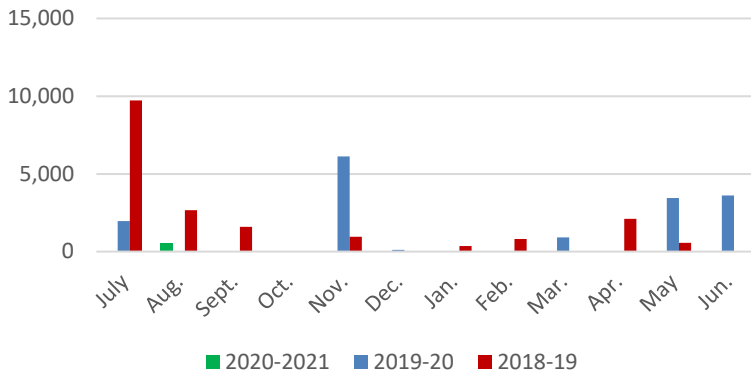
\*\*Most current corrected data as of 08/19/2020

## SEWER

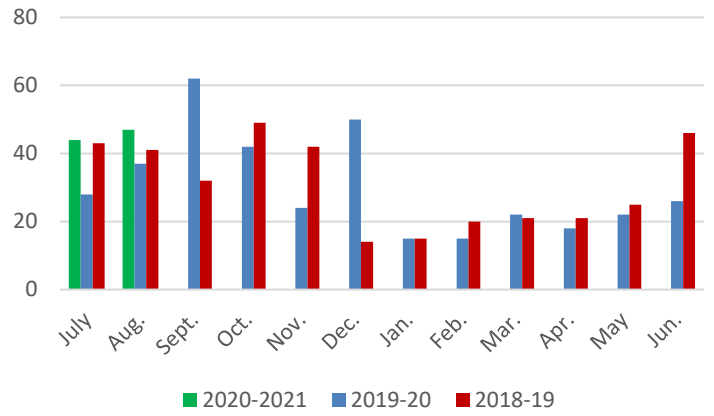
Collection Data:	August 2018	August 2019	August 2020	Total 2018-19	Total 2019-20	To-Date 2020-21**
Number of Sewer Lines Washed	19	9	12	233	211	26
Number of Lines Filmed	2	2	0	48	36	3
Footage Tested by Rapid Assessment Tool (RAT)	0	0	---	57,791	---	---
Total Number of Residential Pump Repairs	8	7	2	69	38	7
Total Number of Stop Ups	16	11	18	275	236	34
Overtime	39.5	54.5	100.5	899.25	1,126.05	171.5
Total Job Tickets	61	64	85	1,024	901	180

\*\*Most current corrected data as of 08/19/2020

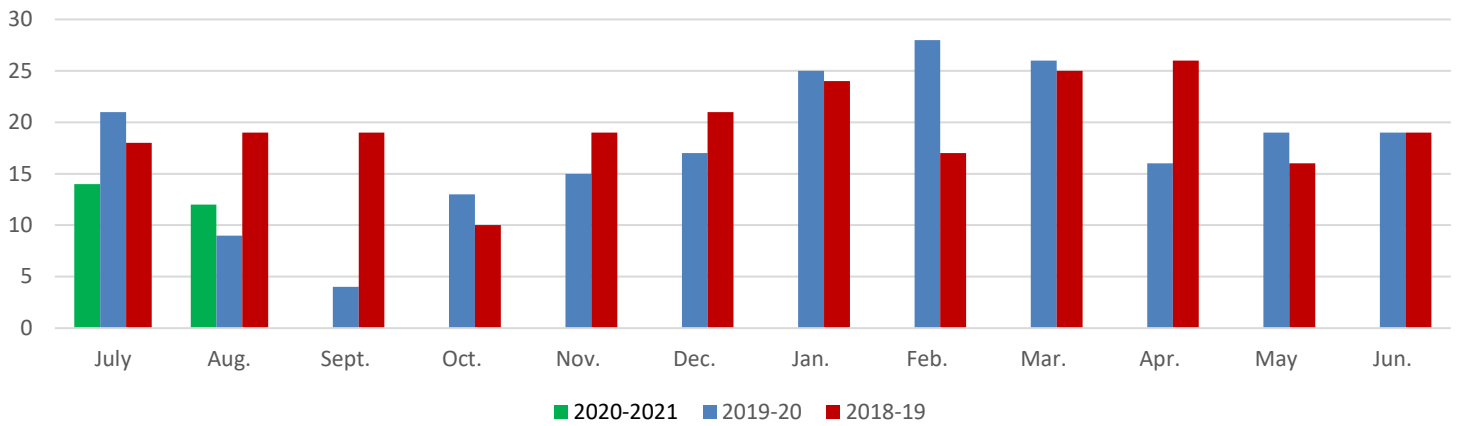
**Galvanized Line:  
Footage Removed from System**



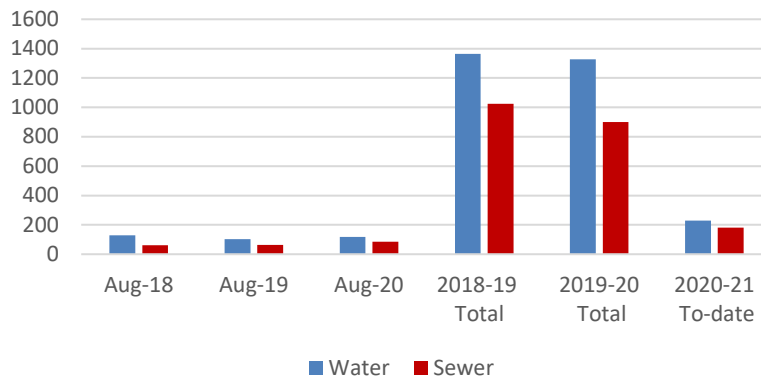
**Water Line Leaks Repaired**



**Number of Sewer Lines Washed**



**Total Job Tickets**



Repair Data:	August 2018	August 2019	August 2020	Total 2018-19	Total 2019-20	Repaired To-date 2020-21**
Number of Yards Repaired	18	0	29	356	362	61
Total Number of Streets Repaired	18	20	9	89	147	18
Total Number of Sidewalks Repaired	0	0	9	23	43	10
Follow-up Repairs Outstanding	132	135	88	---	---	---

\*\*Most current corrected data as of 08/19/2020