

# Elizabethton Water Resources Construction Report: Month Ending July 22, 2020

**Summary:** Work remained steady throughout July as the department successfully repaired several leaks and addressed emergency sewer concerns. Additional measures and changes to Water Resource's Covid-19 policy added to the strain already being faced from personnel shortages related to a variety of medical issues affecting several staff members. Management continues to update changes based on guidance regarding the current situation of the pandemic.

These difficulties aside, in July the line-laying crew was able to complete a new water line installation in the first section of alleyway downtown running from the corner of E Elk to Armed Forces Dr. Because of tight quarters and shared space with numerous other utilities, the project required extensive manual excavation and staff were limited to working a temporary night shift to prevent business disruptions.

Line replacement aside, crews struggled to keep up with a steady stream of work orders, including repairing substantially more leaks than the running average for this time of year. Likewise, sewer crews remained busy responding to customer blockages and repairing damaged lines, including a section of pipe on Fairview Street, where a long-standing connection with the storm system was found and corrected. Crews from both sides of the operation were asked to step in for an emergency repair toward the end of the month, when a 4" pressure sewer main became dislodged by debris at the crossing of Buffalo Creek adjacent Milligan Highway. Crews worked quickly to mitigate environmental impact from the Overlook Pump Station and install a 21' section of new ductile iron pipe.



Crews make an emergency sewer repair along Milligan Hwy at the intersection of Powder Branch Rd.

## WATER

Distribution Data:	July 2018	July 2019	July 2020	Total 2018-19	Total 2019-20	To-Date 2020-21**
Galvanized Replaced/Taken out of Service (linear feet)	9,724	1,962	0	18,782	16,465	0
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)	9,724	1,962	0	27,139*	25,203.5	0
Estimated Gallons Lost for Leaks from Report Date to Repair Date	3,462,000	3,301,980	6,050,520	44,846,292	87,933,420	6,050,520
Total Leaks Repaired	43	28	44	369	361	44
Total Leaks False Reports	12	3	11	93	112	11
Total Leaks Left to Repair	31	39	47	---	---	---
Number of Meters Replaced	29	28	6	493	243	6
Customer Complaints	17	3	4	80	71	4
Overtime	90.50	46.50	46	678.75	778.75	46
Total Job Tickets	136	125	113	1,365	1,327	113

\*Lateral data added to reflect operational changes

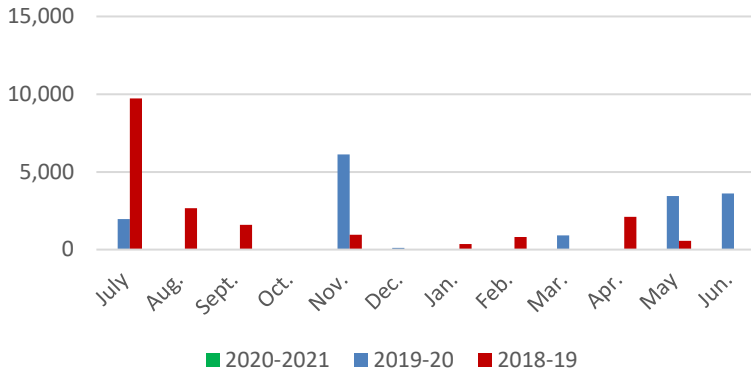
\*\*Most current corrected data as of 07/22/2020

## SEWER

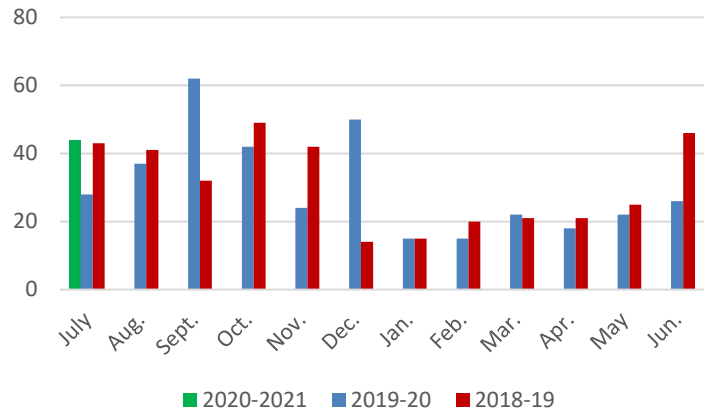
Collection Data:	July 2018	July 2019	July 2020	Total 2018-19	Total 2019-20	To-Date 2020-21**
Number of Sewer Lines Washed	18	21	14	233	211	14
Number of Lines Filmed	8	9	3	48	36	3
Footage Tested by Rapid Assessment Tool (RAT)	0	0	---	57,791	---	---
Total Number of Residential Pump Repairs	10	4	5	69	38	5
Total Number of Stop Ups	18	25	16	275	236	16
Overtime	102.50	92.30	71	899.25	1,126.05	71
Total Job Tickets	90	108	95	1,024	901	95

\*\*Most current corrected data as of 07/22/2020

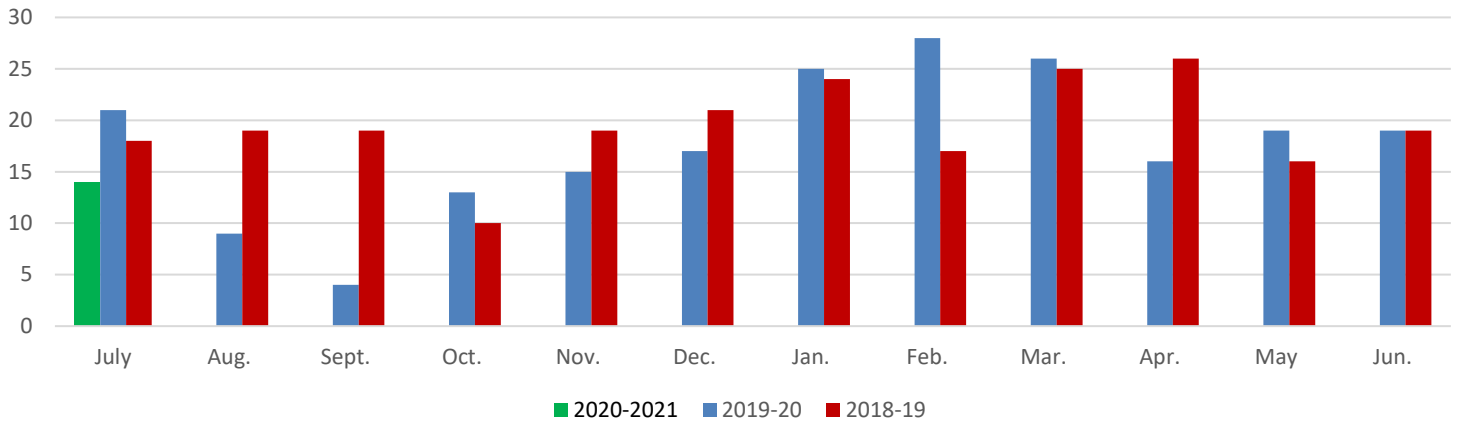
**Galvanized Line:  
Footage Removed from System**



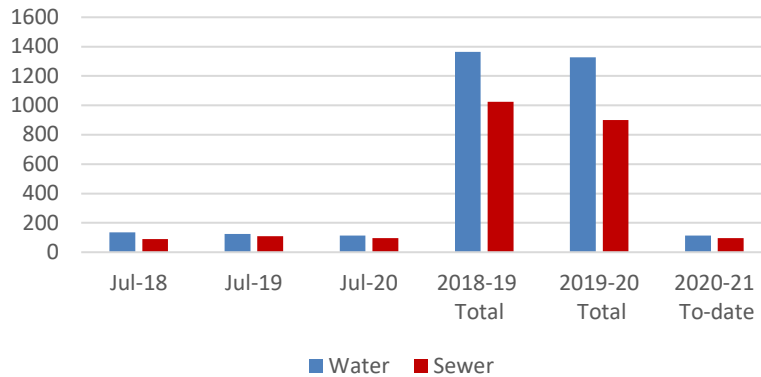
**Water Line Leaks Repaired**



**Number of Sewer Lines Washed**



**Total Job Tickets**



Repair Data:	July 2018	July 2019	July 2020	Total 2018-19	Total 2019-20	Repaired To-date 2020-21**
Number of Yards Repaired	33	68	32	356	362	32
Total Number of Streets Repaired	0	7	9	89	147	9
Total Number of Sidewalks Repaired	0	0	1	23	43	1
Follow-up Repairs Outstanding	113	105	89	---	---	---

\*\*Most current corrected data as of 07/22/2020