

Elizabethton Water Resources Construction Report: Month Ending January 21, 2021

Summary: January proved to be a productive month for Water Resources Construction as both departments completed critical outstanding tasks and progressed on system repairs.

Regarding Water progress, crews spent most of the month combatting leaks in the system to maintain tank levels. The cold weather, coupled with shifting ground conditions led to several large main line breaks, with some days requiring all available crews to respond as multiple leaks surfaced. Between line repairs, crews remained busy collecting the remaining amount of attribute data for the Automated Meter Infrastructure survey. This effort is nearing completion with the results to be submitted by mid-February. Furthermore, the line-laying crew was able to complete the boring machine training with assistance from Ditch Witch of Knoxville. This training familiarized crews in the operation of the new machine, while at the same time facilitating the installation of a new main line on N. East Road in Milligan.

Concerning Sewer, the Cherokee Pump Station cleaning and inspection has now been completed. Overall, the pump station was in good shape with only major repair consisting of replacing several heavily worn check valves. This project went smoothly with staff taking extra precautions due to Covid and eliminating concerns of a hazardous aerosol by donning all necessary PPE and limiting the amount of personnel to essential roles only. Additionally, crews have completed major work for the sewer line replacement on McClellan Circle, with only follow-up yard repairs left to complete. Crews will now turn their attention to another scheduled line replacement on Riverside Dr. where investigations following the occurrence of several blockages have prompted the need to relocate the sewer main into the street right of way.

WATER

Distribution Data:	January 2019	January 2020	January 2021	Total 2018-19	Total 2019-20	To-Date 2020-21**
Galvanized Replaced/Taken out of Service (linear feet)	353	0	1,689	18,782	16,465	5,289
Galvanized Laterals Replaced (linear feet)	---	---	10	---	383	120
Other Laterals Replaced (linear feet)	---	---	100	---	8,351	1,000
Large Diam. Replaced/Taken out of Service (linear feet)	---	0	0	1,785	4.5	0
Total Replaced/Taken out of Service (linear feet)	0	15	984	27,139*	25,203.5	6,409
Total Leaks Repaired	15	3	20	369	361	217
Total Leaks False Reports	7	34	6	93	112	61
Total Leaks Left to Repair	18	10	19	---	---	---
Number of Meters Replaced	22	1	10	493	243	61
Customer Complaints	7	16.5	10	80	71	30
Overtime	33.50	60	57.5	678.75	778.75	372.25
Total Job Tickets	72	217	49	1,365	1,327	567

*Lateral data added to reflect operational changes

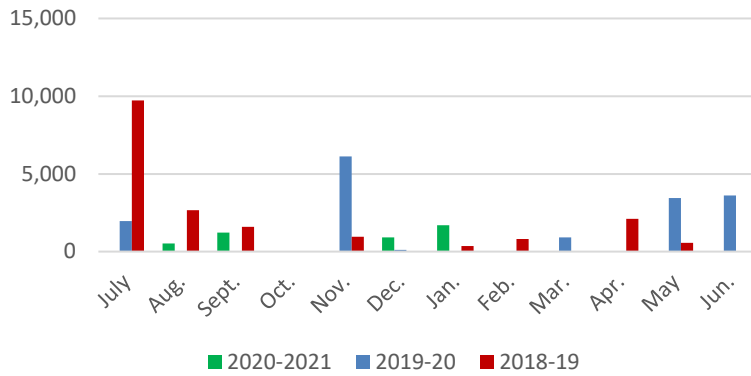
**Most current corrected data as of 01/20/2021

SEWER

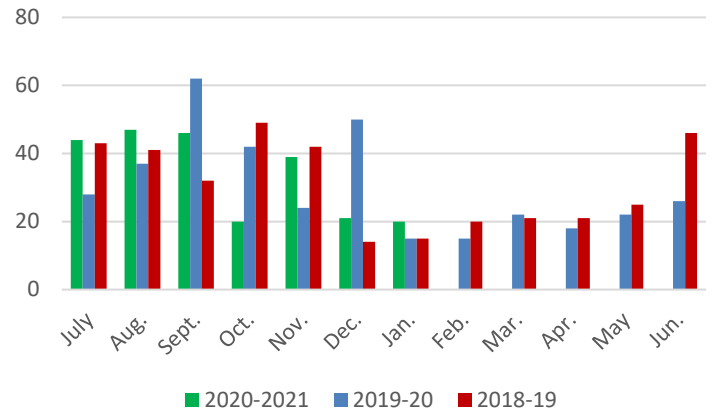
Collection Data:	January 2019	January 2020	January 2021	Total 2018-19	Total 2019-20	To-Date 2020-21**
Number of Sewer Lines Washed	24	24	20	233	211	116
Number of Lines Filmed	5	0	6	48	36	24
Footage Tested by Rapid Assessment Tool (RAT)	---	0	---	57,791	---	---
Total Number of Residential Pump Repairs	4	0	3	69	38	34
Total Number of Stop Ups	34	34	25	275	236	139
Overtime	95.25	74.25	55.25	899.25	1,126.05	535.25
Total Job Tickets	83	40	69	1,024	901	533

**Most current corrected data as of 01/20/2021

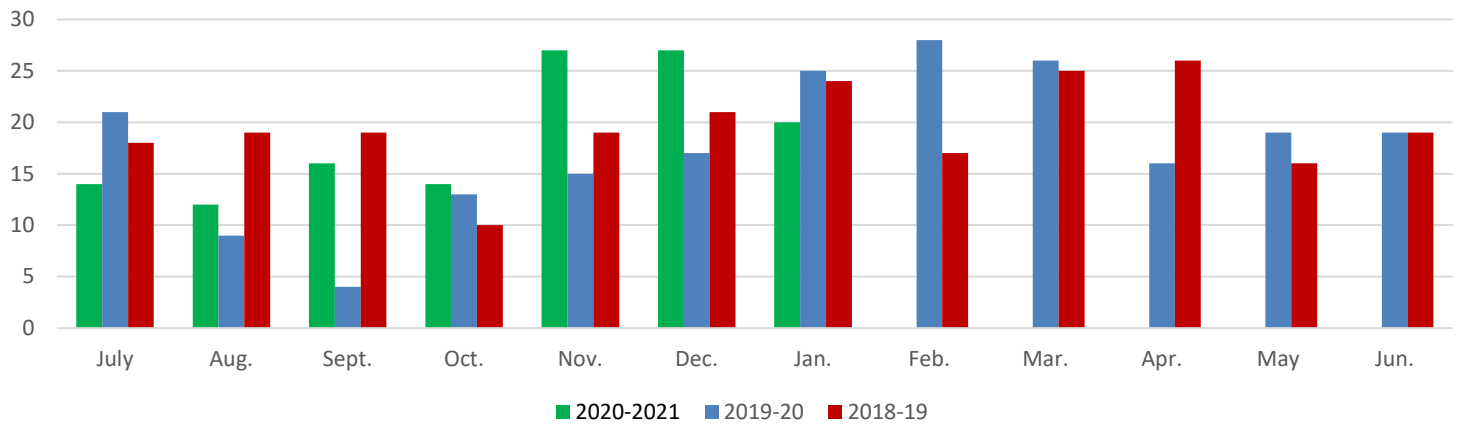
**Galvanized Line:
Footage Removed from System**



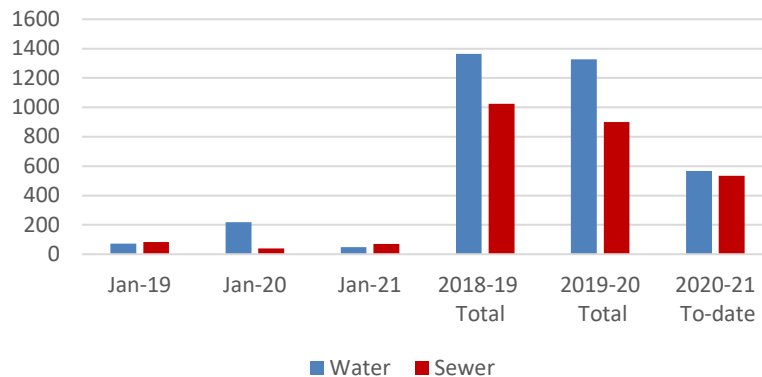
Water Line Leaks Repaired



Number of Sewer Lines Washed



Total Job Tickets



Repair Data:

	January 2019	January 2020	January 2021	Total 2018-19	Total 2019-20	Repaired To-date 2020-21**
Number of Yards Repaired	5	6	1	356	362	123
Total Number of Streets Repaired	0	12	0	89	147	62
Total Number of Sidewalks Repaired	1	0	0	23	43	17
Follow-up Repairs Outstanding	84	122	120	---	---	---

**Most current corrected data as of 01/20/2021

Cherokee Pump Station

Cleaning and Inspection

