

# Elizabethton Water Resources Construction Report: Month Ending May 20, 2021

**Summary:** The department has been in discussion with TDEC over the past few weeks regarding violations at the Wastewater Treatment plant during the heavy spring rains of the last three years. These events have emphasized the ongoing problems with the City's collection system and management is actively working with the State to develop a plan of action. This effort will need to address long overdue issues with aging infrastructure and deferred maintenance.

Concerning sewer progress, crews are nearing completion of the Riverside project and should be finished by the end of the coming month. Once completed, the department will again focus on smoke testing to identify the most obvious sources of inflow and infiltration. Also, the inspection crew is utilizing camera equipment to identify defects ahead of paving and/or damaged lines in needs of repair.

The line-laying crew has successfully installed the new main line on Jobe Road and is beginning tie-overs with the hope of completing by the end of the fiscal year so the footage will be reflected. Crews worked quickly to restore service to Happy Valley Elementary and a large portion of Milligan following a main line break that caused service interruption for several customers.



Preparing to install a manhole and new main line on Riverside.

## WATER

Distribution Data:	May 2019	May 2020	May 2021	Total 2018-19	Total 2019-20	To-Date 2020-21**
Galvanized Replaced/Taken out of Service (linear feet)	566	3,450	2,016	18,782	16,465	7,305
Galvanized Laterals Replaced (linear feet)	---	0	45	---	383	285
Other Laterals Replaced (linear feet)	---	0	325	---	8,351	1,325
Large Diam. Replaced/Taken out of Service (linear feet)	2,351	0	0	1,785	4.5	0
Total Replaced/Taken out of Service (linear feet)	2,917	3,450	2,386	27,139*	25,203.5	8,915
Total Leaks Repaired	25	22	21	369	361	298
Total Leaks False Reports	4	3	5	93	112	97
Total Leaks Left to Repair	25	17	25	---	---	---
Number of Meters Replaced	76	6	49	493	243	400
Customer Complaints	3	6	3	80	71	34
Overtime	86.50	86.50	51	678.75	778.75	603
Total Job Tickets	122	104	46	1,365	1,327	849

\*Lateral data added to reflect operational changes

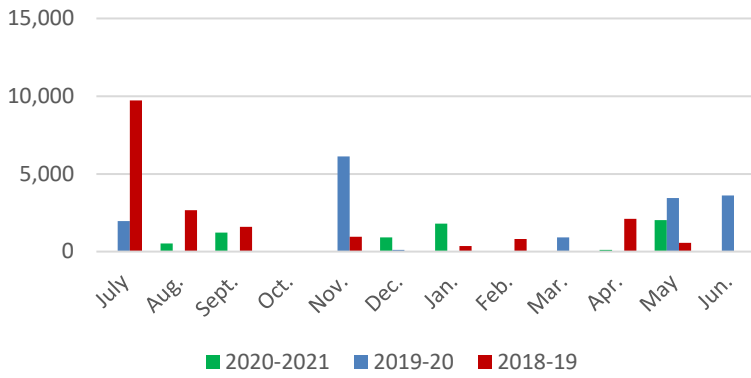
\*\*Most current corrected data as of 05/20/2021

## SEWER

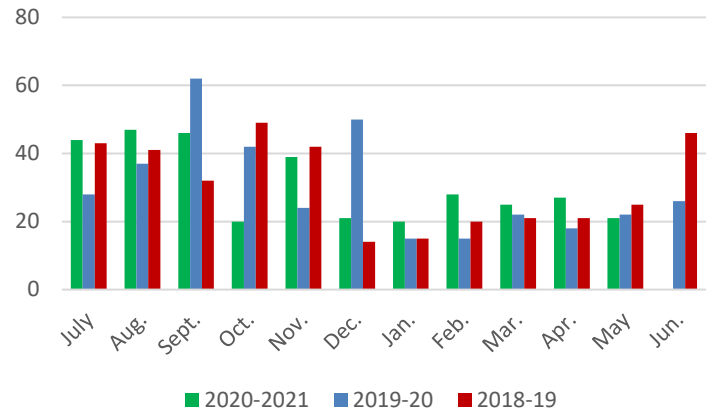
Collection Data:	May 2019	May 2020	May 2021	Total 2018-19	Total 2019-20	To-Date 2020-21**
Number of Sewer Lines Washed	16	19	34	233	211	222
Number of Lines Filmed	8	6	16	48	36	57
Footage Tested by Rapid Assessment Tool (RAT)	0	---	---	57,791	---	---
Total Number of Residential Pump Repairs	2	2	3	69	38	45
Total Number of Stop Ups	15	22	24	275	236	245
Overtime	168.00	92.00	85	899.25	1,126.05	948.55
Total Job Tickets	82	80	75	1,024	901	852

\*\*Most current corrected data as of 05/20/2021

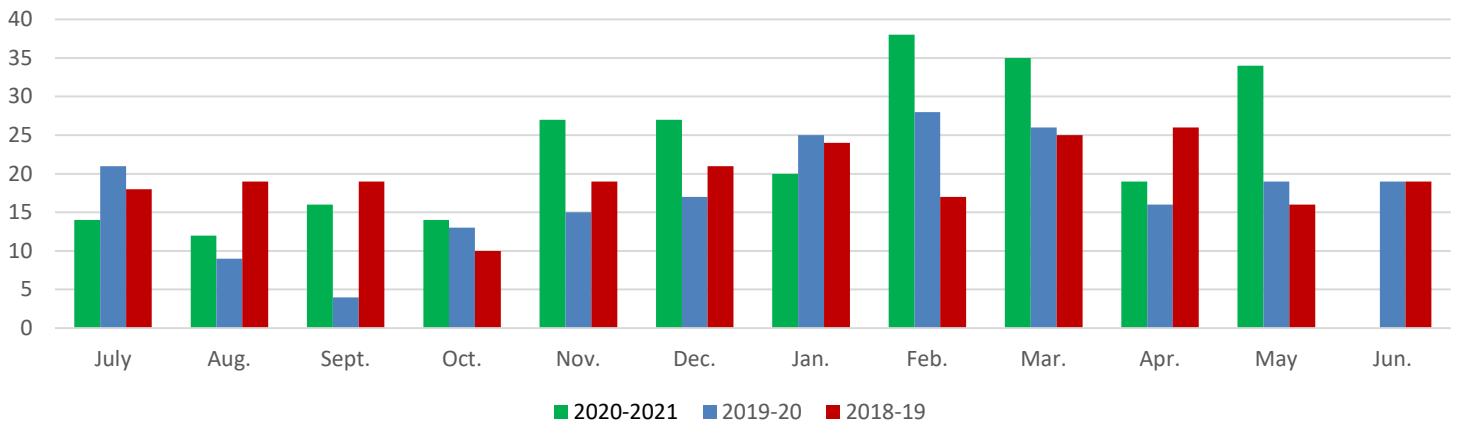
**Galvanized Line:  
Footage Removed from System**



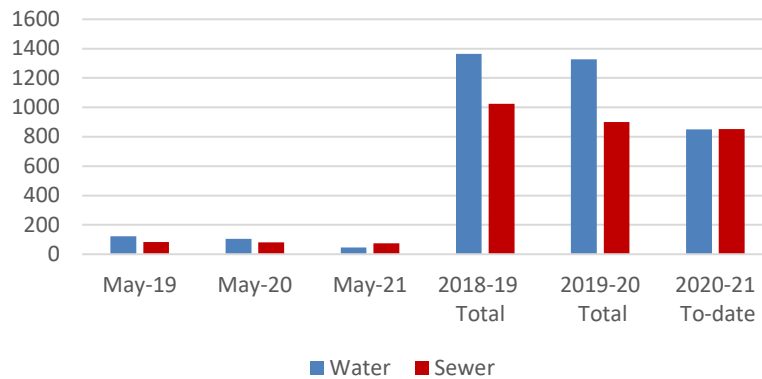
**Water Line Leaks Repaired**



**Number of Sewer Lines Washed**



**Total Job Tickets**



Repair Data:	May 2019	May 2020	May 2021	Total 2018-19	Total 2019-20	Repaired To-date 2020-21**
Number of Yards Repaired	12	33	30	356	362	256
Total Number of Streets Repaired	1	0	9	89	147	97
Total Number of Sidewalks Repaired	3	7	0	23	43	17
Follow-up Repairs Outstanding	92	67	80	---	---	---

\*\*Most current corrected data as of 05/20/2021