

Elizabethton Water Resources Construction Report: Month Ending September 23, 2020

Summary: The Department made progress on several longstanding projects in September. Along with routine work continued personnel shortages due to the pandemic, crews were kept busy focusing on getting preliminary repairs out of the way; most notably in sewer operations ahead of upcoming resurfacing work being done by the Street Department.

As part of this effort, crews washed and collected camera footage of over 9,000 feet of sewer line. This footage was used to assess the condition of, and complete needed repairs before new asphalt is put down in October. Furthermore, crews are preparing for a large manhole and line replacement project in Sycamore Shoals State Park. Bypass pump equipment has been delivered and all necessary accessories and safety apparatuses' have been staged near the jobsite in preparation for the work.

For the water side, crews remained busy repairing leaks and removing galvanized lines from the system, including completion of a line replacement project on Earl South Road. The line-laying crew will be moving to Bob Wright Rd. to repair a low-pressure line before heading downtown to the alleyway behind the Bonnie Kate Theater. A difficult area with shared utilities, this line will serve as training for the department's new directional boring machine, which arrived late this month. Furthermore, in preparation for the Doe River Crossing bridge project, staff have begun clearing access roads and mapping the major transmission lines from the Hampton & Valley Forge treatment plants.



Receiving and unloading the 24" ductile iron pipe for the State Park sewer repair.

WATER

Distribution Data:	September 2018	September 2019	September 2020	Total 2018-19	Total 2019-20	To-Date 2020-21**
Galvanized Replaced/Taken out of Service (linear feet)	1,600	0	1,220	18,782	16,465	2,696
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)	1,600	0	1,220	27,139*	25,203.5	2,696
Total Leaks Repaired	32	62	46	369	361	137
Total Leaks False Reports	11	12	11	93	112	36
Total Leaks Left to Repair	19	34	23	---	---	---
Number of Meters Replaced	22	50	3	493	243	20
Customer Complaints	7	4	4	80	71	10
Overtime	37.5	68	88.25	678.75	778.75	180.25
Total Job Tickets	143	231	113	1,365	1,327	343

*Lateral data added to reflect operational changes

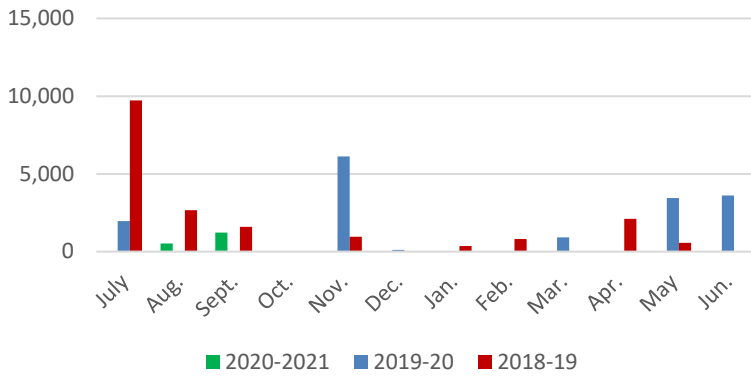
**Most current corrected data as of 09/23/2020

SEWER

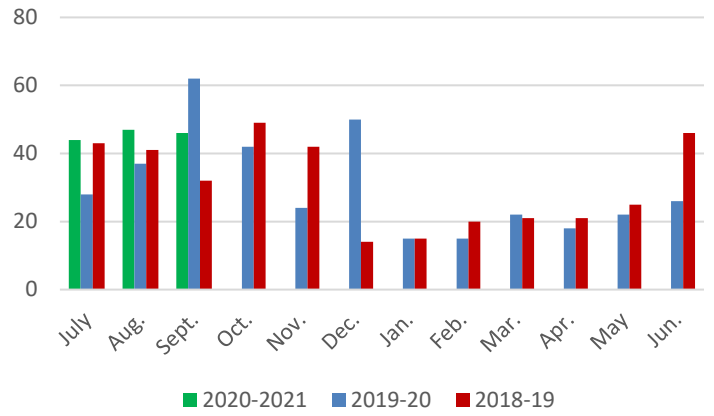
Collection Data:	September 2018	September 2019	September 2020	Total 2018-19	Total 2019-20	To-Date 2020-21**
Number of Sewer Lines Washed	19	4	16	233	211	42
Number of Lines Filmed	10	3	2	48	36	5
Footage Tested by Rapid Assessment Tool (RAT)	1	0	---	57,791	---	---
Total Number of Residential Pump Repairs	3	2	8	69	38	15
Total Number of Stop Ups	16	9	22	275	236	56
Overtime	49.58	78.5	118	899.25	1,126.05	289.5
Total Job Tickets	82	72	93	1,024	901	273

**Most current corrected data as of 09/23/2020

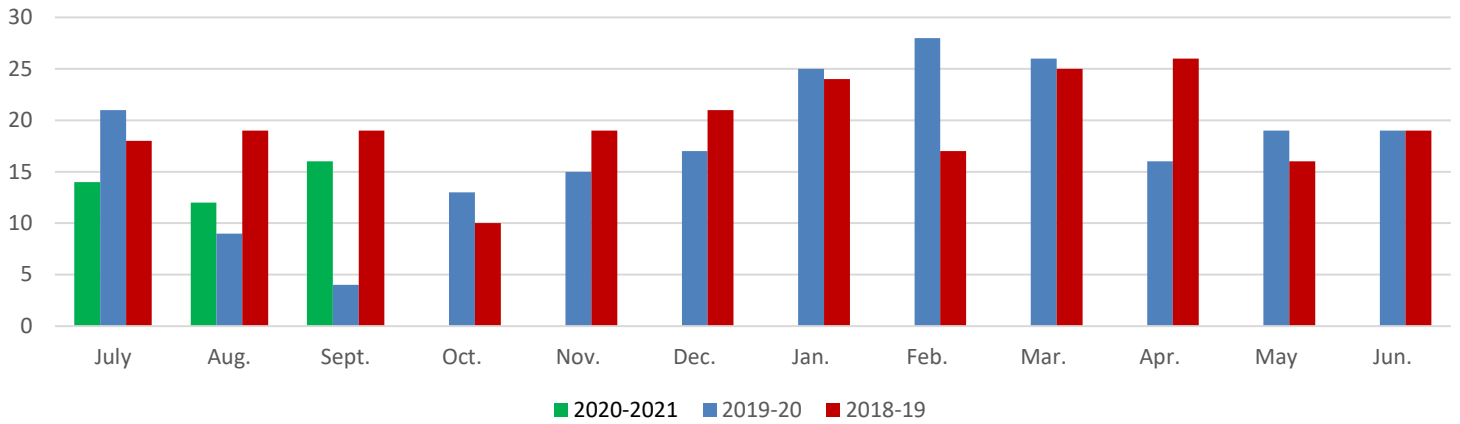
**Galvanized Line:
Footage Removed from System**



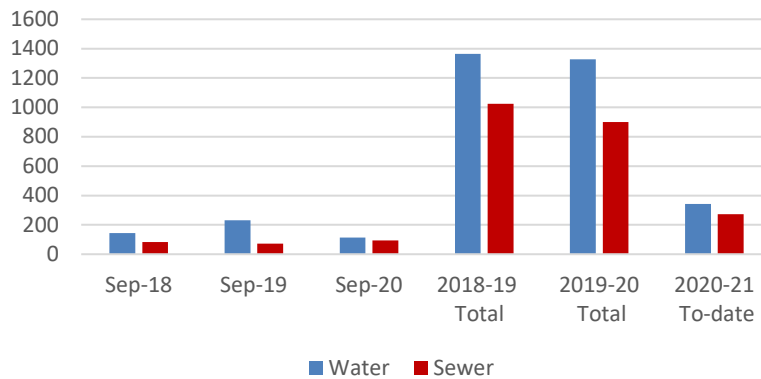
Water Line Leaks Repaired



Number of Sewer Lines Washed



Total Job Tickets



Repair Data:	September 2018	September 2019	September 2020	Total 2018-19	Total 2019-20	Repaired To-date 2020-21**
Number of Yards Repaired	62	86	26	356	362	87
Total Number of Streets Repaired	2	48	15	89	147	33
Total Number of Sidewalks Repaired	0	12	0	23	43	10
Follow-up Repairs Outstanding	121	79	119	---	---	---

**Most current corrected data as of 09/23/2020