

SUPERINTENDENT'S REPORT FOR 2022

Kittery Water District (KWD) Consumers:

The 2022 construction season was a busy one for the KWD construction crew. Unlike most years, the district only took on one water main replacement project this year. This was the Foyes Lane, Kittery Point Project. We refer to this project as our "three season" project, as we started the project in the spring, worked all summer and finished it in the fall of 2022. Although the project was very time consuming and expensive to complete, it was a rewarding project to undertake. The heavily tuberculated undersized cast iron pipe that was a century old was not even coming close to providing adequate flow to the 3 fire hydrants on this street.

The following is a list of the improvements that were made to the District's system in 2022:

Improvements / Additions to the Distribution System:

	Asset Value
Foyes Lane, Kittery Point	\$ 486,569.00
KWD installed 2,228 feet of 8" DR11 H.D.P.E. Pipe (Abandoned 1,628 feet of 6" Cast iron pipe and 590 feet of 4" Cast Iron Pipe) (Replaced 3 Fire Hydrants and 38 Water Services)	
Village Green Drive	\$ 7,083.00 *
Gerald Construction and KWD installed 56 feet of 4" DR11 H.D.P.E Pipe	
Town of Kittery	\$ 15,000.00
KWD replaced fire hydrants #127-K // #129-K // #132-K	
74 State Road, Kittery	\$ N/A
William Renaud Construction installed a 4" Fire Protection Line	
<u>Services:</u> 12 New	\$ 21,674.33
38 Renewal	
<u>Meters:</u> 25 New	\$ 13,482.96

* Contribution in aid of construction funds paid by the developer, Christopher Baudo, and contributed to KWD

Miscellaneous Improvements:

<u>Replacement of distribution pump #3 at the Boulter Pond Pump Station</u>	\$ 35,138.00
This work was completed by Champlin Associates.	
<u>Continuation of work at the Old Beech Ridge Road, York Pump Station</u>	\$ 12,219.00
This work was completed by Savage Builders and Mason, Art Young.	
<u>Beech Road, Eliot Water Main Relocation Project</u>	\$ 25,821.89
Due to a MDOT Culvert Replacement Project, the KWD contracted with MDOT's contractor, Pratt & Sons, Inc from Minot, Maine to relocate the water main in conjunction with the culvert installation.	
<u>Maintenance to the Gravel Roadway to Upper Folly Dam</u>	\$ 6,695.00
Gravel was purchased from Great East Crushing LLC and stockpiled on-site for the next phase of road repairs	
<u>Fire Hydrant Painting Project</u>	\$ 10,625.00
The district has contracted with Marston Industrial Services to paint all of our 475 fire hydrants. This task is conducted by the contractor on a fill-in basis. In 2022 a total of 85 fire hydrants were painted	
<u>Meter Replacement and Meter Reading Technology Upgrade</u>	\$ 70,986.08
Due to the age of our water meters, we have initiated a meter replacement program striving to replace 200 meters per year. In addition, the new meters are being installed with a radio receiver and transmitter that allows the meters to be read by a radio signal directly from the meter reading vehicle.	

Total	\$ <u>705,294.26</u>
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KWD (Kittery Water District)
H.D.P.E. (high density polyethylene)
C.I. (cast iron)
D.I.C.L. (ductile iron cement lined)

Cost of electricity to pump 980,104,000 gallons of water

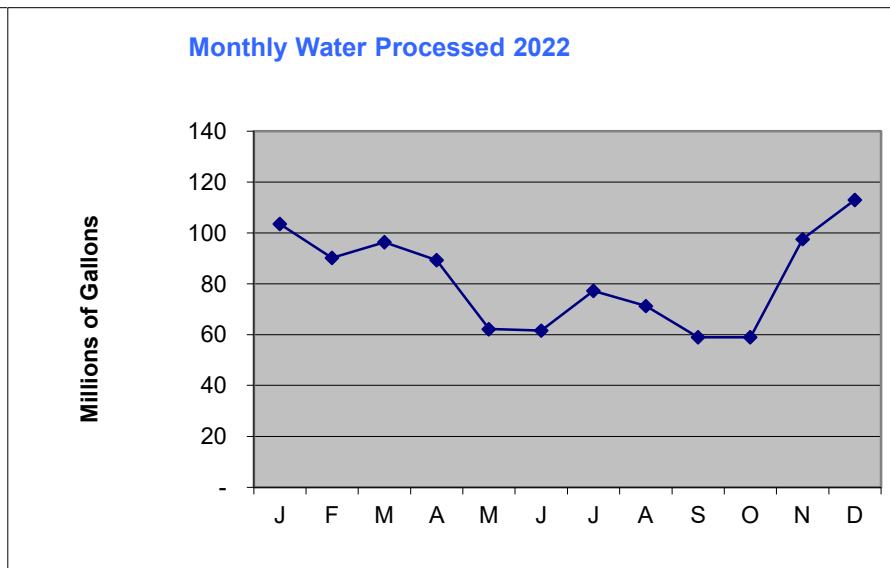
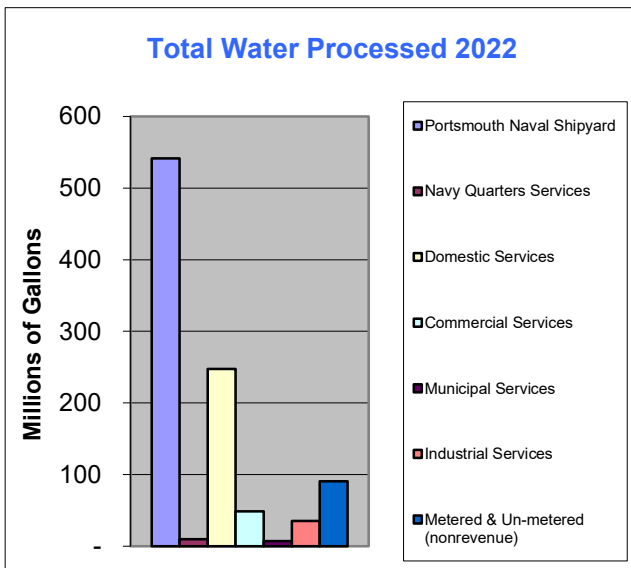
\$ 78,949.54

Water Processed in Gallons for the Year 2022

Navy Base	541,103,200
Navy Quarters-metered services	9,978,881
Metered domestic services	247,638,460
Metered commercial services	48,368,941
Metered municipal services	7,156,729
Metered industrial services	35,402,840
Metered & Un-metered (nonrevenue)	90,454,948
Total Water Processed	980,104,000
Average Daily Water Processed	2,685,216

Monthly Water Processed (gallons)

Jan	103,474,000
Feb	90,201,000
Mar	96,347,000
Apr	89,362,000
May	62,184,000
Jun	61,625,000
Jul	77,244,000
Aug	71,263,000
Sep	58,945,000
Oct	58,916,000
Nov	97,538,000
Dec	113,005,000
Total Water Processed	980,104,000



Respectfully submitted,

Michael S. Rogers

Michael S. Rogers
 Superintendent
 Kittery Water District