

## SUPERINTENDENT'S REPORT FOR 2023

### Kittery Water District (KWD) Consumers:

The 2023 construction season proved to be both quite busy and quite productive. Our crew completed a total of 7 project throughout Kittery, Kittery Point and Eliot. Upgrades and new installation totaled 3,037' of 2" -12" new mains. Of the 3,037' of new mains, 2,245' of circa 1947 - 1961 mains were abandoned. 6 private contractors (Severino Trucking, JMC Inc., Jamco Excavation, King Materials Group, Brex Corp., and Defelice) completed and additional 12 project throughout Kittery, Kittery Point and Eliot. New installation of 2" -16" mains totals 8,566' of new assets into our system.

The following is a list of the improvements that were made to the District's system in 2023:

### Improvements / Additions to the Distribution System:

**Asset Value**

<p><b>Gray Lodge Road, Kittery</b></p> <p>KWD installed: 720 feet of 8" DR11 H.D.P.E. Pipe  73 feet of 8" Class 52 D.I. Pipe  23 feet of 2" H.D.P.E. Pipe  (Abandoned 803 feet of 4" Cast Iron Pipe)  (Replaced 2 Fire Hydrants #3-K &amp; #4-K)  (Renewed 11 Water Services)</p>	<p>\$ <b>125,896.23</b></p>
<p><b>Bridgeview Terrace, Kittery</b></p> <p>KWD installed: 243 feet of 2" DR11 H.D.P.E. Pipe  (Abandoned 221 feet of 2" Iron Pipe)  (Renewed 6 Water Services)</p>	<p>\$ <b>37,490.04</b></p>
<p><b>Goodwin Road, Kittery Point</b></p> <p>KWD installed: 396 feet of 4" DR11 H.D.P.E. Pipe  (No Pipe was abandoned)  (No Water Service Renewed at this time)</p>	<p>\$ <b>18,035.38</b></p>
<p><b>Main Street, Eliot</b></p> <p>KWD installed: 212 feet of 12" Class 52 D.I. Pipe  (No Pipe was abandoned)  (Renewed 2 Water Services)</p>	<p>\$ <b>29,090.00</b></p>
<p><b>Ox Point Drive, Kittery</b></p> <p>KWD installed: 520 feet of 8" DR11 H.D.P.E. Pipe  382 feet of 4" DR11 H.D.P.E. Pipe  (Abandoned 902 feet of 6" Cast Iron Pipe)  (Replaced 1 Fire Hydrant #254-K)  (Renewed 14 Water Services)</p>	<p>\$ <b>86,131.54</b></p>
<p><b>Busdick Drive, Kittery</b></p> <p>KWD installed: 319 feet of 2" DR11 H.D.P.E Pipe  (Abandoned 319 feet of 2" Iron Pipe)  (Renewed 5 Water Services)</p>	<p>\$ <b>36,521.21</b></p>
<p><b>Shipping Lane, Eliot</b></p> <p>KWD and Hussy Construction installed:  20 feet of 8" D.I. Pipe  369 feet of 8" DR11 H.D.P.E. Pipe  480 feet of 4" DR11 H.D.P.E. Pipe  (Installed 1 Fire Hydrant #96-E - Private Hydrant)  (Installed 8 Water Services)</p>	<p>\$ <b>52,063.16</b> <sup>(1)</sup></p>
<p><b>Dennett Road, Kittery</b></p> <p>Severino Trucking installed: 2,911 feet of 12" Class 52 D.I. Pipe  (Installed 1 Fire Hydrant #329-K)</p>	<p>\$ <b>946,075.00</b> <sup>(2)</sup></p>
<p><b>Spinney Way, Kittery</b></p> <p>Severino Trucking installed for the KWD: 69 feet of 8" Class 52 D.I. Pipe  (Installed 1 Fire Hydrant #382-K)</p>	<p>\$ <b>29,026.44</b></p>
<p><b>Maren Court, Kittery</b></p> <p>JMC Construction installed: 114 feet of 4" Class 52 D.I. Pipe</p>	<p>\$ <b>45,186.00</b> <sup>(3)</sup></p>

<b>Jewett Lane, Kittery</b>		\$ 259,086.40 <sup>(4)</sup>
JAMCO Excavators, LLC installed: 1,130 feet of 8" Class 52 D.I. Pipe (Installed 1 Fire Hydrant #333-K) (Installed 6 Water Services)		
<b>Evergreen Drive, Kittery</b>		\$ 34,980.00 <sup>(4)</sup>
JAMCO Excavators, LLC installed: 388 feet of 2" DR11 H.D.P.E. Pipe (Installed 2 Water Services)		
<b>Wilson Road, Kittery</b>		\$ 82,795.50 <sup>(4)</sup>
JAMCO Excavators, LLC installed: 270 feet of 12" Class 52 D.I. Pipe (Installed 1 Fire Hydrant #334-K)		
<b>Pettigrew Road, Kittery</b>		\$ 223,584.40 <sup>(4)</sup>
JAMCO Excavators, LLC installed: 1,235 feet of 6" Class 52 D.I. Pipe (Installed 7 Water Services)		
<b>Regency Circle, Kittery</b>		\$ 74,000.00 <sup>(5)</sup>
King's Construction installed: 35 feet of 8" Class 52 D.I. Pipe 261 feet of 6" Class 52 D.I. Pipe (Installed 1 Fire Hydrant #335-K - Private Hydrant) (Installed 15 Water Services)		
<b>Folcutt Road, Kittery Point</b>		\$ 70,000.00 <sup>(6)</sup>
Brex Corporation Installed: 360 feet of 6" Class 52 D.I. Pipe 64 feet of 2" DR11 H.D.P.E Pipe (Installed 1 Fire Hydrant #336-K - Private Hydrant) (Installed 1 Water Service)		
<b>Harold L. Dow Highway (Route 236), Eliot</b>		\$ 548,718.00 <sup>(7)</sup>
Defelice Corporation Installed: 1,564 feet of 16" Class 52 D.I. Pipe (Installed 1 Fire Hydrant #94-E) (Installed 8 Water Services)		
<b>Brook Drive, Eliot</b>		\$ 47,087.00
Defelice Corporation Installed: 82 feet of 8" Class 52 D.I. Pipe		
<b>Julie Lane, Eliot</b>		\$ 47,661.00
Defelice Corporation Installed: 83 feet of 8" Class 52 D.I. Pipe (Installed 1 Fire Hydrant #95-E)		
<b><u>Services:</u></b>	<b>81 New</b>	<b>\$ 47,949.53</b>
	<b>40 Renewal</b>	
<b><u>Meters:</u></b>	<b>New</b>	<b>\$ 33,893.59</b>

<sup>(1)</sup> Contribution in aid of construction funds paid by the developer's, Kris Glidden and Tom Howarth

<sup>(2)</sup> Contribution in aid of construction funds paid by the developer of Seacoast Residences, Jones Street Residential

<sup>(3)</sup> Contribution in aid of construction funds paid by the developer of Maren Court, Chris Atwood d/b/a Otter Creek Homes

<sup>(4)</sup> Contribution in aid of construction funds paid by the Town of Kittery

<sup>(5)</sup> Contribution in aid of construction funds paid by David Trahan d/b/a/ Regency Woods LLC

<sup>(6)</sup> Contribution in aid of construction funds paid by Wladislaw Realty Trust LLC

<sup>(7)</sup> Contribution in aid of construction funds paid by the Town of Eliot

#### Miscellaneous Improvements:

<b><u>Continuation of work at the Old Beech Ridge Road, York Pump Station</u></b>	<b>\$ 0.00</b>
This work was completed by Savage Builders and Mason, Art Young.	
<b><u>Continuation of work towards accomadating the Maine Turnpike Water Line Installation</u></b>	<b>\$ 8,266.29</b>
Final design and permitting from various agency's	

**Maintenance to the Gravel Roadway to Upper Folly Dam & Middle Pond Dam** **\$ 43,277.50**

A total of 1.2 miles of roads were graded and graveled with gravel purchased from Great East Crushing, LLC, Bull Dozer and trucking by William Shapleigh and Sons Construcion and also trucking by the KWD

**Fire Hydrant Painting Project** **\$ 21,375.00**

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 2023 a total of 171 fire hydrants were painted

**Meter Replacement and Meter Reading Technology Upgrade** **\$ 55,730.12**

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 \$ 3,003,919.33**

KWD (Kittery Water District)

H.D.P.E. (high density polyethylene)

C.I. (cast iron)

D.I.C.L. (ductile iron cement lined)

Unaudited

**Cost of electricity to pump 986,241,000 gallons of water** **\$ 67,314.22**

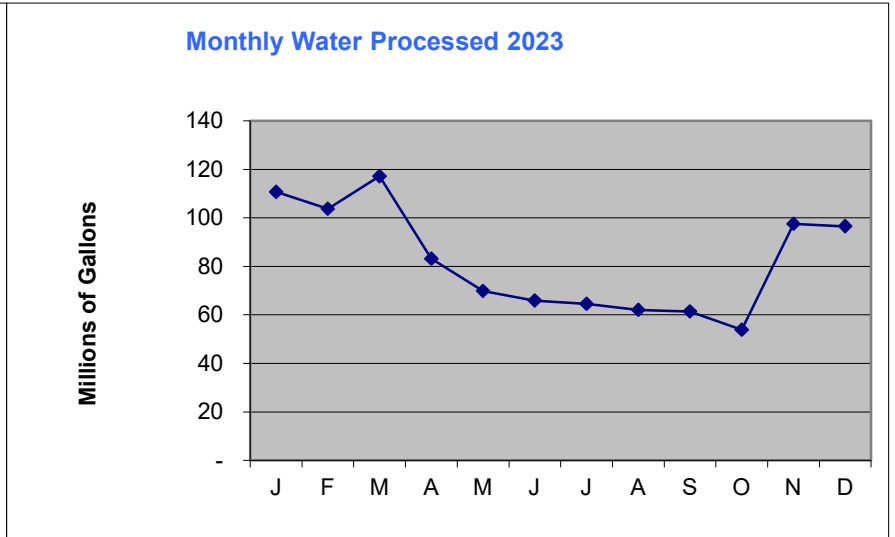
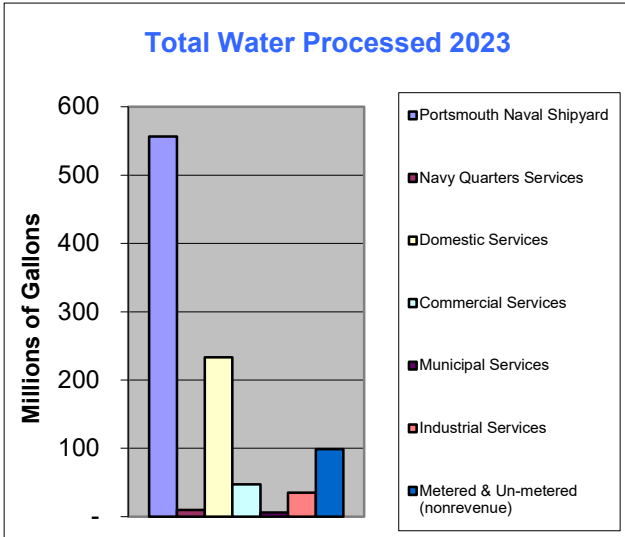
**Water Processed in Gallons for the Year 2023**

Navy Base	556,512,000
Navy Quarters-metered services	9,732,565
Metered domestic services	232,958,257
Metered commercial services	47,124,314
Metered municipal services	6,119,216
Metered industrial services	35,066,240
Metered & Un-metered (nonrevenue)	<u>98,728,408</u>
<b>Total Water Processed</b>	<b><u>986,241,000</u></b>
Average Daily Water Processed	<b>2,702,030</b>

**Monthly Water Processed (gallons)**

Jan	110,674,000
Feb	103,766,000
Mar	117,121,000
Apr	83,181,000
May	69,841,000
Jun	65,833,000
Jul	64,527,000
Aug	61,991,000
Sep	61,398,000
Oct	53,809,000
Nov	97,561,000
Dec	96,539,000

**Total Water Processed 986,241,000**



Respectfully submitted,

Carl B. Palm  
Superintendent  
Kittery Water District