

SUPERINTENDENT'S REPORT FOR 2017

Kittery Water District (KWD) Consumers:

The 2017 construction season was a busy one for the KWD construction crew. In 2017, a total of 5,698 feet of water mains were installed; 2,838 feet of this was replacement mains and the remainder were main extensions.

The following is a list of the improvements that were made to the District's system in 2017:

Improvements / Additions to the Distribution System:

Asset Value

100 Shepards Cove, Kittery		
KWD and Mick Construction installed 250 feet of 4" H.D.P.E. pipe, 4 water services and four 2" fire protection lines	\$	11,100.00 *
River Road, Eliot		
KWD installed 940 feet of 12" H.D.P.E. pipe, 1 fire hydrant and 3 services	\$	84,414.00 **
Main Street, Eliot		
KWD and William Shapleigh and Son Construction installed 2,412 feet of 8" H.D.P.E. pipe, 140 feet of 8" D.I. pipe, 4 fire hydrants and 38 water services (Abandoned 2,400 feet of 6" C.I. pipe)	\$	252,650.00
Pleasant Street, Eliot		
KWD installed 50 feet of 6" D.I. pipe (Abandoned 240 feet of 8" D.I. pipe)	\$	4,950.00
School Street, Kittery		
KWD and JTI Construction installed 385 feet of 2" H.D.P.E. pipe and 4 services	\$	15,785.00 ***
Dana Avenue, Kittery		
KWD and Brown Industrial Group installed 691 feet of 2" H.D.P.E. pipe and 30 services	\$	53,512.00 ****
518 Route One, Kittery		
Severino Trucking, Inc. installed 554 feet of 8" D.I. pipe, 53 feet of 6" D.I. pipe, 1 fire hydrant and 11 services	\$	60,093.00 *****
636 Haley Road, Kittery Point		
KWD installed 40 feet of 6" D.I. pipe	\$	11,558.00 *****
Patten Place, Kittery		
KWD installed 376 feet of 4" H.D.P.E. pipe and 6 services	\$	15,300.00
Town of Kittery		
KWD replaced fire hydrant #6-K with a 3 way model		
KWD replaced fire hydrant #256-K with a 3 way model	\$	9,000.00
Town of Eliot		
KWD replaced fire hydrant #44-E with a 3 way model	\$	4,500.00
KWD replaced hydrant numbers 53-E, 54-E, 55-E and 57-E during the Main Street water main replacement project		
Services - 84 new, 44 renewals	\$	126,782.00
Meters - 79 new	\$	40,798.00

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

** Contribution in aid of construction funds paid by the developer, Henry Ogilby & Joanne Francis, and contributed to KWD

*** Contribution in aid of construction funds paid by the developer, 9 Main Street, LLC, and contributed to KWD

**** Contribution in aid of construction funds paid by the developer, Dow Highway Properties, LLC, and contributed to KWD

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

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

Miscellaneous Improvements:

SCADA System Upgrade		
Wright-Pierce completed a design / build transformation from radio to cellular transmissions, upgraded product software, alarming software to smart phones and replaced all SCADA computers and monitors	\$	97,400.00
Replacement of the Filtration Plant Main Building Roof		
Hall Brothers Roofing installed a new rubber membrane roof for the building	\$	38,340.00
Replacement of the Filtration Plant Storage Building Roof		
Hall Brothers Roofing installed a new rubber membrane roof for the building	\$	4,200.00
Recoating of the Rogers Road Standpipe Dome		
Marcel A. Payeur, Inc. recoated the dome and the cable trays	\$	25,200.00
Dome Repairs and Pressure Washing of the Eliot Tank		
DN Tanks, Inc. repaired the concrete dome and pressure washed the dome and the exterior of the tank	\$	25,450.00
Filtration Plant Renovation Project		
Wright-Pierce has completed the engineering, plans, specifications and bidding for Phase 1 of the filtration plant renovation project to begin in 2018	\$	81,000.00
Meter Replacement and Meter Reading Technology Upgrade		
Due to the age of our water meters, we have initiated a meter replacement program striving to replace 500 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	\$	<u>79,639.00</u>
	Total	<u>\$ 1,041,671.00</u>

- KWD (Kittery Water District)
- H.D.P.E. (high density polyethylene)
- C.I. (cast iron)
- D.I. (ductile iron)

Cost of electricity to pump 892,548,000 gallons of water

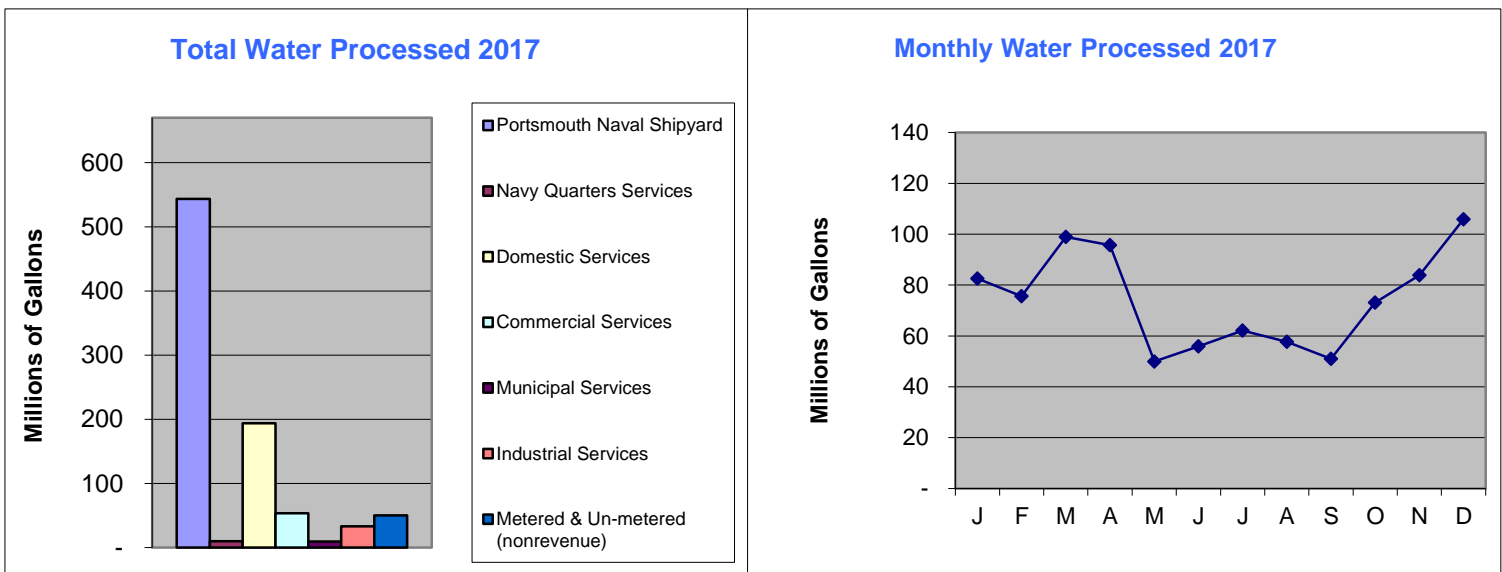
\$70,766.76

Water Processed in Gallons for the Year 2017

Navy Base	543,197,600
Navy Quarters-metered services	9,794,297
Metered domestic services	193,486,761
Metered commercial services	53,303,161
Metered municipal services	9,265,947
Metered industrial services	33,136,400
Metered & Un-metered (nonrevenue)	<u>50,363,834</u>
Total Water Processed	<u>892,548,000</u>
Average Daily Water Processed	2,445,337

Monthly Water Processed (gallons)

Jan	82,607,000
Feb	75,646,000
Mar	98,934,000
Apr	95,656,000
May	49,974,000
Jun	55,950,000
Jul	62,140,000
Aug	57,750,000
Sep	51,041,000
Oct	73,089,000
Nov	83,842,000
Dec	<u>105,919,000</u>
Total Water Processed	892,548,000



Respectfully submitted,

Michael S. Rogers

Michael S. Rogers
 Superintendent
 Kittery Water District