

## SUPERINTENDENT'S REPORT FOR 2016

### Kittery Water District (KWD) Consumers:

The 2016 construction season was not only a dry one with the extreme drought but another very busy year for our construction crew. In 2016, a total of 8,709 feet of replacement water mains were replaced by our staff. All of the piping material installed by KWD was H.D.P.E. pipe.

The following is a list of the improvements that were made to the District's system in 2016:

Improvements / Additions to the Distribution System:	Asset Value
Gerrish Island (Delano line), Kittery Point KWD installed 2,072 feet of 2" H.D.P.E. pipe (Abandoned 50 feet of 2" PVC pipe and 2,022 feet of 1 1/4" PVC pipe)	\$ 7,688.00
Gerrish Island (Goodwin Road), Kittery Point KWD installed 300 feet of 2" H.D.P.E. pipe (Abandoned 300 feet of 2" PVC pipe)	\$ 2,472.00
Clark Road, Eliot KWD installed 417 feet of 4" H.D.P.E. pipe and renewed 10 services (Abandoned 417 feet of 2" iron pipe)	\$ 33,996.00
Picott Road, Kittery KWD installed 1,414 feet of 6" H.D.P.E. pipe and renewed 20 services. KWD and Ted Berry Company installed 1,863 feet of 8" H.D.P.E. pipe and renewed 19 services (Abandoned 1,013 feet of 4" C.I. pipe and 1,996 feet of 6" C.I. pipe)	\$ 316,282.00
Picott Road, Kittery (cross country line to the turnpike) KWD and Ted Berry Company installed 1,803 feet of 12" H.D.P.E. pipe (Abandoned 1,719 feet of 12" C.I. pipe)	\$ 85,995.00
Village Drive, Eliot (Villages at Great Brook) KWD and Mackinnon & Sons Excavating, LLC installed 550 feet of 8" H.D.P.E. pipe, 1 fire hydrant and 14 services	\$ 44,388.00 *
Mendum Avenue, Kittery KWD installed 80 feet of 8" H.D.P.E. pipe	\$ 5,029.00
Levesque Drive, Eliot Eastern Excavation, Inc. installed 210 feet of 6" D.I. pipe and 1 service	\$ 19,950.00 **
Route One, York (York Colonial Apartments) William Renaud Construction installed a 6" fire protection line to support 5 buildings	\$ 6,000.00 ***
Village Drive, Eliot (Modernist Pantry) Levesque Excavation installed 215 feet of 8" D.I. pipe and 1 service	\$ 21,500.00 ****
* Contribution in aid of construction funds paid directly by the developer, Blair Hodge, and contributed to KWD	
** Contribution in aid of construction funds paid directly by the developer, David Bateman, and contributed to KWD	
*** Contribution in aid of construction funds paid directly by the developer, Christopher Baudo, and contributed to KWD	
**** Contribution in aid of construction funds paid directly by the developer, Janie Wang, and contributed to KWD	
Town of Eliot KWD replaced fire hydrant #43-E with a 3 way model	\$ 4,500.00

Town of Kittery

KWD replaced fire hydrant #12-K with a 3 way model	
KWD replaced fire hydrant #231-K with a 3 way model	
KWD replaced fire hydrant #153-K with a 3 way model	
KWD replaced fire hydrant #224-K with a 3 way model	
KWD replaced fire hydrant #225-K with a 3 way model	\$ 22,500.00
Services - 30 new, 49 renewals	\$ 35,209.00
Meters - 52 new	\$ 14,284.00

**Miscellaneous Improvements:**

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

\$ 84,727.00

Emergency Standby Generator Building, 28 New Boston Road, York

Hall Brothers Roofing installed a new rubber membrane roof for the building

\$ 6,125.00

Chemical Feeder, Filtration Plant

Replacement of the post lime dry chemical feeder at the filtration plant

\$ 8,000.00

Concrete Box Culvert Installation, Kingsbury Lane, York

William Shapleigh & Son Construction installed a concrete box culvert beneath Kingsbury Lane, York. This culvert is one of the inlets to Boulter Pond and also facilitates the transfer of water from the Bell Marsh Reservoir to Boulter Pond. The District received a grant from the DEP to cover a portion of this project

\$ 121,819.00

Total

\$ 840,464.00

KWD (Kittery Water District)

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

PVC (polyvinyl chloride)

C.I. (cast iron)

D.I. (ductile iron)

Cost of electricity to pump 909,941,000 gallons of water

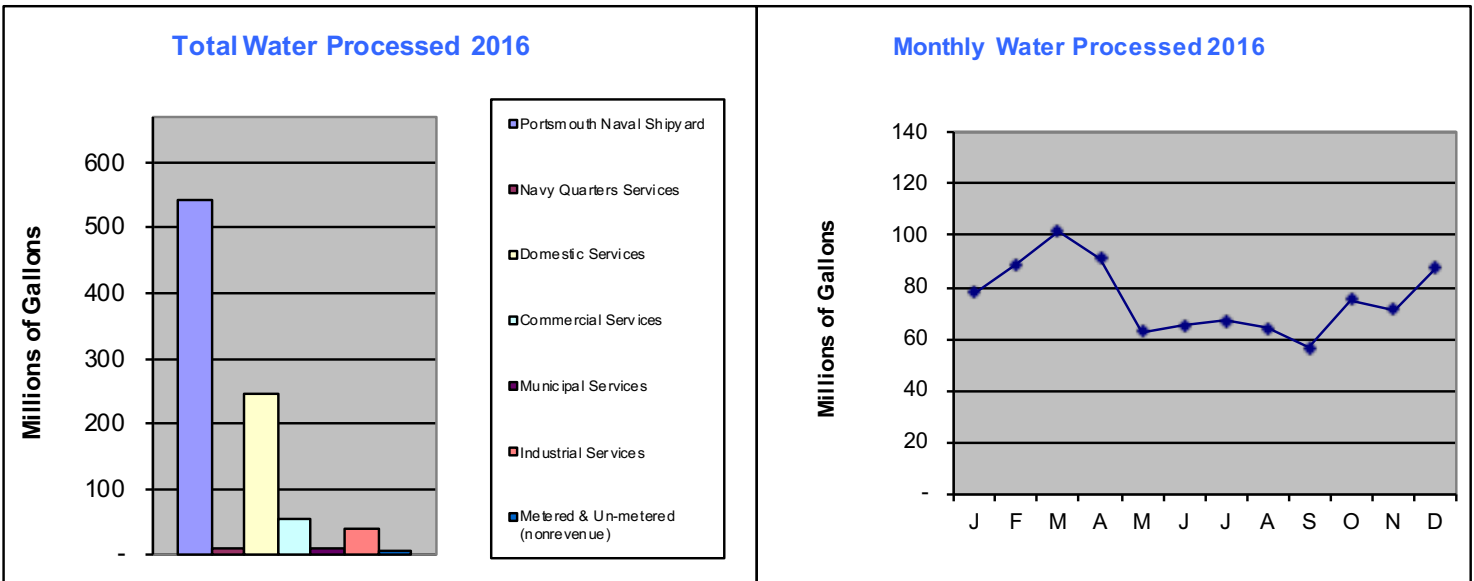
\$81,944.70

**Water Processed in Gallons for the Year 2016**

Navy Base	544,394,400
Navy Quarters-metered services	10,127,546
Metered domestic services	244,825,068
Metered commercial services	54,298,345
Metered municipal services	10,571,634
Metered industrial services	38,492,080
Metered & Un-metered (nonrevenue)	7,231,927
<b>Total Water Processed</b>	<b>909,941,000</b>
Average Daily Water Processed	2,492,989

**Monthly Water Processed (gallons)**

Jan	77,780,000
Feb	88,734,000
Mar	101,585,000
Apr	91,451,000
May	62,824,000
Jun	65,151,000
Jul	66,971,000
Aug	64,460,000
Sep	56,836,000
Oct	74,972,000
Nov	71,564,000
Dec	87,613,000
<b>Total Water Processed</b>	<b>909,941,000</b>



Respectfully submitted,

*Michael S. Rogers*

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 Superintendent  
 Kittery Water District