

Knoxville Water Department Monthly Report

RECEIVED

MAR - 6 2018

CITY OF KNOXVILLE

February 28, 2018

IEPA SUMMARY

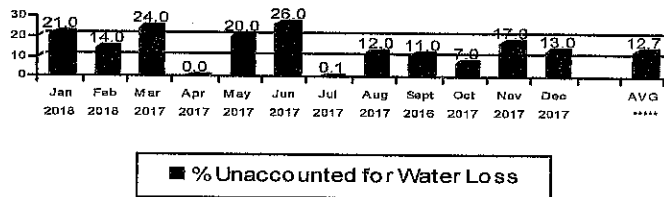
All required IEPA Samples, testing, and reports were submitted in a timely manner, with satisfactory results.

MAINTENANCE SUMMARY

K.W.D performed all monthly preventive maintenance for Water Department equipment, to include maintenance and exercising of wells, as scheduled, as allowed by IEPA. (Note: Well's are exercised bi-weekly, with the well water ran outside at an average of 17,600 gallons monthly)

OPERATIONS SUMMARY

Gallons of Water Pumped.	<u>6,028,000</u>
Gallons of Water Billed:	<u>5,179,200</u>
City Water Use:	218,470
Gallons of Water Unaccounted for:	858,800
Unaccounted for Water, Percentage:	14 %
Daily Average Usage:	216,000



Gallons of Water Pumped, Gallons of Water Billed, and City Water Use are based on Monthly Billing Cycles (21st to 20th of each month). City Water Use includes Water Salesman use, which is water used by and paid for by customer. To have a more accurate overview of the actual Unaccounted for Water Loss you must look at the overall average.0

CITY METER READS

Report Month >>>>>	★											
LOCATION	January 31, 2018	February 28, 2018	March 31, 2017	April 30, 2017	May 30, 2017	June 30, 2017	July 31, 2017	August 31, 2017	September 30, 2017	October 31, 2017	November 30, 2017	December 30, 2017
City Hall & Court House	49630	50250	37250	38580	39470	40700	41520	42680	43560	45510	46080	48060
	1,570 gal.	620 gal.	1,290 gal.	1330 gal.	890 gal.	1230 gal.	820 gal.	1,160 gal.	880 gal.	1,950 gal.	570 gal.	1,980 gal.
Knox County Museum	17560	17660	16310	16420	16530	16700	16810	16950	17120	17280	17360	17460
	100 gal.	1,000 gal.	450 gal.	110 gal.	490 gal.	170 gal.	110 gal.	140 gal.	170 gal.	160 gal.	80 gal.	100 gal.
Library	12160	12380	8840	9090	9380	9680	9920	10210	10470	10710	11780	11960
	200 gal.	100 gal.	270 gal.	250 gal.	290 gal.	300 gal.	240 gal.	290 gal.	260 gal.	240 gal.	1,070 gal.	180 gal.
City Park & Cemetery	off	off	off	27000	28000	29080	29081	30000	31210	off	off	off
	0 gal.	0 gal.	0 gal.	0 gal.	1,000 gal.	1080 gal.	100 gal.	1,000 gal.	1,210 gal.	0 gal.	0 gal.	0 gal.
Street Dept Hyd	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.
	2,000 gal.	4,000 gal.	2,000 gal.	2,000 gal.	5,000 gal.	5,000 gal.	2,000 gal.	4,000 gal.	5,000 gal.	2,000 gal.	5,000 gal.	2,000 gal.
Police Dept.	54920	55640	46170	47270	48180	49180	49940	50770	51640	52450	53310	54130
	790 gal.	720 gal.	810 gal.	1,100 gal.	910 gal.	1,000 gal.	760 gal.	830 gal.	870 gal.	810 gal.	860 gal.	820 gal.
Street Dept.	35430	36170	26210	26800	27790	29280	30360	31530	32540	33310	34000	34710
	720 gal.	740 gal.	680 gal.	590 gal.	790 gal.	1,490 gal.	1,080 gal.	1,170 gal.	1,010 gal.	770 gal.	690 gal.	710 gal.
Sanitation Dept.	30020	31190	21600	22810	23810	24370	24610	25060	25430	26100	26550	26840
	3,180 gal.	1,170 gal.	1,160 gal.	1,210 gal.	1,000 gal.	560 gal.	240 gal.	450 gal.	1,000 gal.	670 gal.	450 gal.	290 gal.
Water Dept.	287000	288000	277300	278000	279000	280800	281000	282000	283000	284000	285000	286000
	1,000 gal.	1,000 gal.	300 gal.	1,000 gal.	1,000 gal.	1,800 gal.	200 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
WWTP	5970000	6001000	5788000	5822000	5843000	5863880	5876000	5899000	5914000	5926000	5935000	5950000
	20,000 gal.	31,000 gal.	26,000 gal.	34,000 gal.	21,000 gal.	20,880 gal.	12,120 gal.	23,000 gal.	15,000 gal.	12,000 gal.	9,000 gal.	15,000 gal.
Fire Dept.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.
Hydrants	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Hydrants (Water Dept.)	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **
	0 gal.	5,000 gal.	32,000 gal.	42,000 gal.	52,000 gal.	20,000 gal.	40,000 gal.	32,000 gal.	10,000 gal.	10,000 gal.	2000 gal.	5,000 gal.
MISC. (See Notes**)	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **
	40,000 gal.	75,000 gal.	14,400 gal.	14,000 gal.	10,000 gal.	150,000.	70,000 gal.	18,000 gal.	10,000 gal.	10,000 gal.	30,000 gal.	10,000 gal.
* Water Salesman	6760000	6674000	6514000	6518000	6544000	6639100	6674500	6691000	6706000	6719000	6733000	6754000
	6,000 gal.	4,000 gal.	6,000 gal.	4,000 gal.	26,000 gal.	95,100 gal.	35,400 gal.	17,000 gal.	15,000 gal.	13,000 gal.	14,000 gal.	21,000 gal.
TOTAL	175,760 gallons	218,470 gallons	176,960 gallons	203,590 bgallons	215,370 gallons	398,810 gallons	261,070 gallons	199,040 gallons	160,780 gallons	155,600 gallons	164,720 gallons	158,080 gallons

NOTES: * Water Salesman is water which is Used and Paid for by customer.
 **See Below for referenced notes above

** City Meter Reads - Notes **

- **Hydrants / Water Dept.> Running/Flushing/Draining hydrants in conjunction with water main valve & hydrant exercising/testing/maintenance. Including Scheduled Hydrant Flushing / Cleaning & Flushing of Sanitary Sewers / WWTP
- January 2018, MISC.> 6 froze meters uaccounted water is high.
- February 2018, MISC.> Service Line Leaks
- March 2017, MISC.> Service Line Leaks
- April 2017, MISC.>Fixed Service Line Leaks/ City Park and Cemetery water on for summer.
- May 2017, MISC.> Service Line Leaks / Hydrants, Water Dept. > flush hydrants
- June 2017, MISC. > Service Line Leaks Hydrant leak do to being hit by truck estimated loss of 150,000 gal
- July 2017, MISC. > Service Line Leaks fixed at 509 Newman St
- August 2017, MISC. > Service Line Leaks, Hydrant testing and flushing
- September 2017 MISC> Service Line Leaks, Leak on 150 and Park St fixed
- October 2017 City Park and Cemetery water shut off for winter. Service line leak at Cemetery.
- November 2017 Service Line hit at 109 S Broad St.
- December 2017 Misc Service Line Leaks.

NOTE: Gallons of Water Pumped, Gallons of Water Billed, and City Water Use are based on Monthly Billing Cycles (21st to 20th of each month). City Water Use includes Water Salesman use, which is water used by and paid for by customer. To have a more accurate overview of the actual Unaccounted for Water Loss you must look at the overall average.