

Knoxville Water Department Monthly Report

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CITY OF KNOXVILLE

October 30, 2023

IEPA SUMMARY

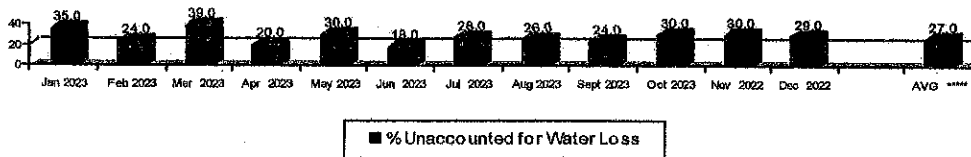
All required IEPA Samples, testing, and reports were submitted in a timely manner, with satisfactory results.

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. Hydrant Flushing, Maintenance and Flow Testing being performed.

OPERATIONS SUMMARY

Gallons of Water Pumped.	8,000,000
Gallons of Water Billed:	<u>6,538,851</u>
City Water Use:	161,217
Gallons of Water Unaccounted for:	1,461,149
Unaccounted for Water, Percentage:	18%
Daily Average Usage:	258,064



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.

CITY METER READS

Report Month >>>>>	★											
LOCATION	January 31, 2023	February 27, 2023	March 31, 2023	April 30, 2023	May 30, 2023	June 30, 2023	July 31, 2023	August 31, 2023	September 30, 2023	October 31, 2023	November 30, 2022	December 31, 2022
City Hall & Court House	2700	3100	3500	3900	4400	4900	5400	5800	6300	7000	2100	2500
	200 gal.	400 gal.	400 gal.	400 gal.	500 gal.	500 gal.	400 gal.	400 gal.	500 gal.	700 gal.	300 gal.	400 gal.
Knox County Museum	38060	38100	38200	38280	38410	38500	38670	38820	38980	39270	37940	38020
	40 gal.	40 gal.	100 gal.	80 gal.	130 gal.	90 gal.	170 gal.	150 gal.	160 gal.	290 gal.	80 gal.	80 gal.
Library	28340	28760	29080	29450	29770	30170	30470	30860	31190	33500	27690	27970
	360 gal.	420 gal.	320 gal.	370 gal.	330 gal.	400 gal.	300 gal.	390 gal.	330 gal.	2310 gal.	290 gal.	280 gal.
City Park & Cemetery	off	off	off	off	46000	474400	48370	49210	45810	50200	off	off
	0 gal.	0 gal.	0 gal.	0 gal.	320 gal.	1440 gal.	930 gal.	840 gal.	500 gal.	280 gal.	0 gal.	0 gal.
Street Dept Hyd	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.	est.
	0 gal.	2,000 gal.	5,000 gal.	5,000 gal.	10,000 gal.	10,000 gal.	10,000 gal.	10,000 gal.	10,000 gal.	5,000 gal.	1,000 gal.	0 gal.
Police Dept.	113610	117330	121130	123400	124760	126200	128270	129760	131040	134300	110,930	111900
	1710 gal.	3,720 gal.	3,800 gal.	2,270 gal.	1,360 gal.	1,440 gal.	2070 gal.	1,490 gal.	1,280 gal.	3,250 gal.	930 gal.	970 gal.
Street Dept.	85530	86160	87230	87870	88690	89640	90380	91260	91980	92660	83840	84770
	760 gal.	630 gal.	1,070 gal.	260 gal.	820 gal.	950 gal.	740 gal.	880 gal.	720 gal.	680 gal.	530 gal.	930 gal.
Sanitation Dept.	78760	79650	80140	80540	80770	81600	816800	82040	82270	82950	76870	77570
	1,190 gal.	890 gal.	490 gal.	400 gal.	230 gal.	830 gal.	800 gal.	360 gal.	230 gal.	680 gal.	470 gal.	700 gal.
Water Dept.	33100	3332100	332500	332900	333200	333400	33380	334200	334400	334700	330500	331000
	0 gal.	1,100 gal.	400 gal.	400 gal.	500 gal.	200 gal.	400 gal.	40 gal.	200 gal.	300 gal.	300 gal.	500 gal.
WWTP	7208000	7232000	7273000	7281728	7290440	7296000	7305000	7335000	7336000	7345000	7187000	7199000
	9000 gal.	24,000 gal.	41,000 gal.	8,000 gal.	8,672 gal.	5,510 gal.	9,000 gal.	25,000 gal.	1,000 gal.	9,000 gal.	2,000 gal.	12,000 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.
	2000 gal.	0 gal.	0 gal.	10,000 gal.	20,000 gal.	20,000 gal.	40,000 gal.	50,000 gal.	10,000 gal.	10,000 gal.	2000 gal.	2,000 gal.
MISC. (See Notes**)	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est. **	est.	est. **	est. **	est. **
	100,000 gal.	100,000 gal.	20,000 gal.	20,000 gal.	100,000 gal.	150,000 gal.	70,000 gal.	25,000 gal.	50,000 gal.	10,000 gal.	10,000 gal.	100,000 gal.
* Water Salesman	7596000	7611000	7631000	7652000	7713000	7796000	7819000	7841000	7848000	7857000	7550500	7675000
	21000 gal.	15,000 gal.	21,000 gal.	21,000 gal.	61,000 gal.	83,360 gal.	23,000 gal.	22,000 gal.	7,000 gal.	9,000 gal.	26,000 gal.	25,000 gal.
TOTAL	236,260 gallons	248,200 gallons	192,580 gallons	168,100 gallons	303,522 gallons	374,360 gallons	216,770 gallons	214,550 gallons	172,130 gallons	161,217 gallons	160,900 gallons	240,960 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 2023, MISC.** > Service Line Leaks.
- February 2023 MISC.** > 4 Service Line Repairs
- March 2023 MISC.** > Service Line Leaks
- April 2023, MISC.** > Service Line Leaks Cemetary water on for summer, Park Restrooms Open
- May 2023, MISC.** > Service Line Leaks
- June 2023 MISC.** > Service Line Leaks. 2 Service Lines Repaired
- July 2023, MISC.** > Service Line leaks.
- August 2023, MISC.** > Water Main Repair on Depot St. Service Line Repair on S Market St
- September 2023 MISC.** > Hydrant Flushing and Flow Testing.
- October 2023** City Park and Cemetary water shut off for winter.
- November 2021/2022** Service Line Leaks
- December 2022, Misc** Service Line Leaks. 2 Service lines fixed. Several meter leaks do to Extreme cold.

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