

Knoxville Water Department Monthly Report

October 31, 2022

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CITY OF KNOXVILLE

IEPA SUMMARY

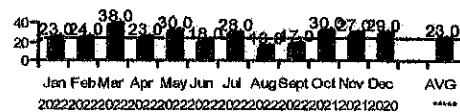
All required IEPA Samples, testing, and reports were submitted in a timely manner, with satisfactory results.

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: Wells are exercised bi-weekly, with the well water ran outside at an average of 17,600 gallons monthly.

OPERATIONS SUMMARY

| | |
|------------------------------------|------------------|
| Gallons of Water Pumped. | 7,726,000 |
| Gallons of Water Billed: | <u>5,519,390</u> |
| City Water Use: | 150,900 |
| Gallons of Water Unaccounted for: | 2,206,610 |
| Unaccounted for Water, Percentage: | 29% |
| Daily Average Usage: | 249,000 |



■ % Unaccounted for Water Loss

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, 2022 | February 27, 2022 | March 31, 2022 | April 30, 2022 | May 30, 2022 | June 30, 2022 | July 31, 2022 | August 31, 2022 | September 30, 2022 | October 31, 2022 | November 30, 2021 | December 31, 2021 |
| City Hall & Court House | 81550 | 81730 | 81910 | 300 | 500 | 800 | 1200 | 1500 | 1700 | 1900 | 81200 | 81410 |
| | 140 gal. | 180 gal. | 180 gal. | 300 gal. | 200 gal. | 300 gal. | 400 gal. | 300 gal. | 200 gal. | 200 gal. | 270 gal. | 210 gal. |
| Knox County Museum | 36980 | 37010 | 37040 | 37080 | 37110 | 37170 | 37230 | 37260 | 37590 | 37860 | 36910 | 36930 |
| | 50 gal. | 30 gal. | 30 gal. | 40 gal. | 30 gal. | 60 gal. | 60 gal. | 30 gal. | 330 gal. | 270 gal. | 30 gal. | 20 gal. |
| Library | 24760 | 25070 | 25460 | 25770 | 26050 | 26340 | 26570 | 26850 | 27140 | 27400 | 24080 | 24460 |
| | 300 gal. | 310 gal. | 390 gal. | 310 gal. | 280 gal. | 290 gal. | 230 gal. | 280 gal. | 290 gal. | 260 gal. | 280 gal. | 380 gal. |
| City Park & Cemetery | off | off | off | off | 42680 | 44370 | 44670 | 45310 | 45810 | off | off | off |
| | 0 gal. | 0 gal. | 0 gal. | 0 gal. | 250 gal. | 2040 gal. | 300 gal. | 640 gal. | 500 gal. | 0 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. | 2,000 gal. | 1,000 gal. | 2,000 gal. | 5,000 gal. | 7,000 gal. | 5,000 gal. | 10,000 gal. | 2,000 gal. | 2,000 gal. | 0 gal. |
| Police Dept. | 102120 | 102790 | 103620 | 104330 | 105160 | 106310 | 107400 | 108180 | 109170 | 109970 | 100830 | 101560 |
| | 560 gal. | 670 gal. | 830 gal. | 710 gal. | 830 gal. | 1150 gal. | 1090 gal. | 780 gal. | 990 gal. | 830 gal. | 740 gal. | 730 gal. |
| Street Dept. | 75810 | 76800 | 77580 | 78350 | 79210 | 79930 | 80720 | 81640 | 82400 | 83100 | 74150 | 74950 |
| | 860 gal. | 990 gal. | 780 gal. | 792 gal. | 280 gal. | 720 gal. | 790 gal. | 920 gal. | 760 gal. | 700 gal. | 660 gal. | 950 gal. |
| Sanitation Dept. | 70500 | 72380 | 73710 | 74330 | 74700 | 74840 | 74980 | 75280 | 75890 | 76400 | 67860 | 68520 |
| | 1,980 gal. | 1,880 gal. | 1,330 gal. | 620 gal. | 370 gal. | 140 gal. | 140 gal. | 300 gal. | 520 gal. | 510 gal. | 390 gal. | 660 gal. |
| Water Dept. | 324800 | 326900 | 327800 | 328000 | 328700 | 329000 | 329300 | 329600 | 33000 | 330200 | 323000 | 323700 |
| | 1,100gal. | 2,100 gal. | 900 gal. | 200 gal. | 1,000 gal. | 300 gal. | 300 gal. | 300 gal. | 400 gal. | 200 gal. | 600 gal. | 700 gal. |
| WWTP | 7079750 | 7086000 | 7106000 | 7125000 | 7136000 | 7151690 | 7173000 | 7161000 | 7178000 | 7185000 | 7080870 | 7072300 |
| | 7,450 gal. | 6,250 gal. | 20,000gal | 19,000gal. | 11,000 gal | 15,690gal | 21,310 gal. | 8,000 gal. | 5,660 gal. | 5,000 gal. | 11,530 gal. | 11,430gal. |
| Fire Dept. Hydrants | est. | est. | est. | est. | est. | est. | est. | est. | est. | est. | est. | est. |
| | 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. | 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. | 2,000gal. |
| MISC. (See Notes**) | est. ** | est. ** | est. ** | est. ** | est. ** | est. ** | est. ** | est. ** | est. | est. ** | est. ** | est. ** |
| | 75,000 gal. | 20,000 gal. | 20,000 gal. | 20,000 gal. | 100,000 gal. | 160,000gal. | 70,000 gal. | 25,000 gal. | 50,000 gal. | 10,000 gal. | 10,000 gal | 20,000ga |
| * Water Salesman | 7326000 | 7331000 | 7336000 | 7341000 | 7414000 | 7468000 | 7476000 | 7496800 | 7508000 | 7529000 | 7318000 | 7323000 |
| | 3,000 gal. | 5,000 gal. | 5,000 gal. | 5,000 gal. | 73,000 gal. | 52,000 gal. | 10,000gal. | 20,800gal. | 11,200 gal. | 21,000 gal. | 5,000 gal. | 5,000gal. |
| TOTAL | 190,250 gallons | 139,410 gallons | 161,450 gallons | 132,702 gallons | 308,493 gallons | 247,941 gallons | 251,628 gallons | 212,250 gallons | 202,190 gallons | 160,900 gallons | 133,400 gallons | 141,930 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 2022, MISC. > Service Line Leaks.

February 2022, MISC. > Service Line Leaks

March 2022, MISC. > Service Line Leaks

April 2022, MISC. > Service Line Leaks Cemetery water on for summer. Park Restrooms Open

May 2022, MISC. > Service Line Leaks

June 2022, MISC. > Service Line Leaks. 3 Service Lines Repaired

July 2022, MISC. > Service Line Repair at 600 S Jackson St

August 2022, MISC. > Water Main Repair on Mill St.

September 2022, MISC. > Repair Water Main on E Mill St Flushed Hydrants

October 2022, City Park and Cemetery water shut off for winter.

November 2021 Service Line Leak fixed at 402 S Broad St

December 2021 Misc Service Line Leaks. 2 Service lines fixed

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