

# Knoxville Water Department Monthly Report

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CITY OF KNOXVILLE

**December 31, 2024**

**IEPA SUMMARY**

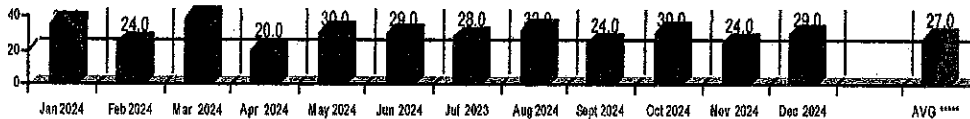
All required IEPA Samples, testing, and reports were submitted in a timely manner, with satisfactory results.

**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.           | 7,633,000        |
| Gallons of Water Billed:           | <u>5,255,911</u> |
| City Water Use:                    | 143,574          |
| Gallons of Water Unaccounted for:  | 2,377,089        |
| Unaccounted for Water, Percentage: | 31 %             |
| Daily Average Usage:               | 246,000          |



■ % Unaccounted for Water Loss

Gallons of Water Pumped, Gallons of Water Billed, and City Water Use are based on Monthly Billing Cycles (21<sup>st</sup> to 20<sup>th</sup> 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<br>31, 2024     | February<br>29, 2024    | March<br>31, 2024       | April<br>30, 2024      | May<br>30, 2024         | June<br>30, 2024       | July<br>31, 2024       | August<br>31, 2024     | September<br>30, 2024  | October<br>31, 2024    | November<br>30, 2024   | December<br>31, 2024   |
| City Hall & Court House | 8500<br>500 gal.        | 9200<br>800 gal.        | 9800<br>600 gal.        | 10500<br>700 gal.      |                         | 11500<br>600 gal.      | 12250<br>750 gal.      | 12750<br>500 gal.      | 13350<br>600 gal.      | 14050<br>700 gal.      | 14550<br>500 gal.      | 1550<br>500 gal.       |
| Knox County Museum      | 40090<br>140 gal.       | 40680<br>590 gal.       | 40850<br>170 gal.       | 41310<br>480 gal.      |                         | 42390<br>1080 gal.     | 42550<br>160 gal.      | 42660<br>110 gal.      | 42740<br>80 gal.       | 42950<br>210 gal.      | 43140<br>190 gal.      | 44550<br>1,410 gal.    |
| Library                 | 34920<br>240 gal.       | 35390<br>470 gal.       | 3670<br>380 gal.        | 36060<br>710 gal.      |                         | 36700<br>1,640 gal.    | 36950<br>250 gal.      | 37150<br>200 gal.      | 37410<br>260 gal.      | 37590<br>180 gal.      | 37800<br>200 gal.      | 38020<br>220 gal.      |
| City Park & Cemetery    | off<br>0 gal.           | off<br>0 gal.           | off<br>0 gal.           | off<br>0 gal.          |                         | 51700<br>1,500 gal.    | 52550<br>850 gal.      | 53580<br>1,030 gal.    | 55000<br>1,420 gal.    | 55350<br>350 gal.      | off<br>0 gal.          | off<br>0 gal.          |
| Street Dept Hyd         | est.<br>0 gal.          | est.<br>2,000 gal.      | est.<br>5,000 gal.      | est.<br>5,000 gal.     |                         | est.<br>10,000 gal.    | est.<br>10,000 gal.    | est.<br>10,000 gal.    | est.<br>10,000 gal.    | est.<br>10,000 gal.    | est.<br>2,000 gal.     | est.<br>0 gal.         |
| Police Dept.            | 139240<br>1,150 gal.    | 140240<br>1,000 gal.    | 141260<br>1,020 gal.    | 141950<br>691 gal.     |                         | 144080<br>2,130 gal.   | 144940<br>860 gal.     | 146040<br>1,100 gal.   | 147450<br>1,410 gal.   | 148630<br>1,180 gal.   | 149,860<br>1,230 gal.  | 151280<br>2,240 gal.   |
| Street Dept.            | 95010<br>960 gal.       | 86160<br>630 gal.       | 96430<br>720 gal.       | 97780<br>1,350 gal.    |                         | 99900<br>2,120 gal.    | 100700<br>800 gal.     | 101450<br>750 gal.     | 102360<br>910 gal.     | 102920<br>560 gal.     | 104070<br>2511 gal.    | 105470<br>1,400 gal.   |
| Sanitation Dept.        | 88740<br>3,820 gal.     | 90260<br>1,520 gal.     | 91830<br>1,870 gal.     | 92610<br>780 gal.      |                         | 93700<br>1,090 gal.    | 94280<br>580 gal.      | 94920<br>640 gal.      | 93420<br>1,500 gal.    | 95620<br>2,200 gal.    | 95800<br>70 gal.       | 96510<br>710 gal.      |
| Water Dept.             | 336000<br>1,300 gal.    | 337000<br>1,000 gal.    | 337600<br>600 gal.      | 337900<br>300 gal.     |                         | 340200<br>2,300 gal.   | 340500<br>300 gal.     | 340800<br>300 gal.     | 341100<br>300 gal.     | 341400<br>300 gal.     | 341600<br>200 gal.     | 341800<br>1,000 gal.   |
| WWTP                    | 7435000<br>44,000 gal.  | 7447000<br>12,000 gal.  | 247990<br>2,990 gal.    | 7521280<br>41,209gal.  |                         | 7540320<br>19,000 gal. | 7549180<br>8,860 gal.  | 7562240<br>13,000 gal. | 7569730<br>7,490gal.   | 7582710<br>12,000 gal. | 7590777<br>8,067gal.   | 7592191<br>1,414 gal.  |
| Fire Dept. Hydrants     | est.<br>100,000         | est.<br>100,000         | est.<br>100,000         | est.<br>100,000        | est.<br>100,000         | est.<br>100,000        | est.<br>100,000        | est.<br>100,000        | est.<br>100,000        | est.<br>100,000        | est.<br>100,000        | est.<br>30,000         |
| Hydrants (Water Dept.)  | est. **<br>2000 gal.    | est. **<br>0 gal.       | est. **<br>0 gal.       | est. **<br>10,000 gal. | est. **<br>20,000 gal.  | est. **<br>20,000 gal. | est. **<br>40,000 gal. | est. **<br>50,000 gal. | est.<br>10,000 gal.    | est. **<br>10,000 gal. | est. **<br>2000 gal.   | est.<br>2,000gal.      |
| MISC. (See Notes**)     | est. **<br>100,000 gal. | est. **<br>100,000 gal. | est. **<br>100,000 gal. | est. **<br>20,000 gal. | est. **<br>100,000 gal. | est. **<br>150,000gal. | est. **<br>70,000 gal. | est. **<br>25,000 gal. | est.<br>50,000gal.     | est. **<br>10,000 gal. | est. **<br>10,000 gal. | est. **<br>100,000gal. |
| * Water Salesman        | 7873000<br>3,000 gal.   | 7877000<br>4,000 gal.   | 7879000<br>3,000 gal.   | 7882000<br>3,000 gal.  |                         | 7952000<br>70,000 gal. | 7964000<br>12,000 gal. | 7973000<br>9,000 gal.  | 7986000<br>13,000 gal. | 7996000<br>10,000 gal. | 8004500<br>8,500 gal.  | 8007000<br>2,500 gal.  |
| <b>TOTAL</b>            | 257,120<br>gallons      | 244,080<br>gallons      | 216,052<br>gallons      | 159,400<br>gallons     |                         | 272,360<br>gallons     | 245,410<br>gallons     | 211,050<br>gallons     | 196,870<br>gallons     | 158,620<br>gallons     | 145,477<br>gallons     | 143,574<br>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 2024 MISC.> Service Line Leaks.
- February 2024 MISC.> 2 Service Line Repairs and water main repair on 150
- March 2024 MISC.>4 Service Line Leaks repaired.
- April 2024, MISC.> Service Line Leaks Cemetery water on for summer. Park Restrooms Open
- May 2024, MISC.> Service Line Leaks No Report
- June 2024 MISC. > Service Line Leaks. 2 Service Lines Repaired
- July 2024, MISC. > Service Line leaks. Lead line replacemnt started
- August 2024, MISC. >Service line leaks
- September 2024 MISC> Lead line replacment complete.
- October 2024 City Park and Cemetery water shut off for winter.
- November 2024 2 Service Lines Repaired
- December 202 Misc Service Line Leaks.

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