

PUBLIC NOTICE CITY OF CASTLE ROCK WATER USE EFFICIENCY GOALS

Notice is hereby given that The City of Castle Rock will conduct a public meeting in conjunction with the regularly scheduled City Council Meeting at the Castle Rock Senior Center located at 222 Second Ave SW, Castle Rock, WA 98611 beginning at 7:30 p.m., Monday, September 23rd, 2024 to review and comment on the City of Castle Rock proposed Water Use Efficiency Goals for the period 2024 - 2030.

Water Use Efficiency Goal Setting

DOH requires water systems to set Water Use Efficiency (WUE) Goals through a public process at least every 6 years. The WUE Rule requires that water conservation goals must include a measurable outcome, address water supply or demand characteristics, and include an implementation schedule. The goal setting process must be held through a public forum and be reevaluated every 6 years.

The previous WUE Goals were established as a part of the 2021 Water System Plan and are as follows:

- **Supply Side Goal:** Reduce water loss rate by 2 percent annually for the next 10 years so that by 2028 the water loss rate is at 10 percent or less.
- **Demand Side Goal:** Reduce average per capita consumption by 1 gallon per day over the next 5 years so that by 2024 the average consumption per capita is 104 gpcd (gallons per capita per day).

The previous 4 years of water loss rates and per capita consumption (from the City's Annual Performance Reports) are listed in the table below. As shown, water loss was reduced over the previous four years; however, the Supply Side Goal was not achieved in 2023. The City achieved the Demand Side Goal over the previous four years.

| Year | Water Loss (Percent) | Per Capita Consumption (gpcd) |
|------|----------------------|-------------------------------|
| 2020 | 13.9% | 92 |
| 2021 | 13.9% | <104* |
| 2022 | 12.2% | 53 |
| 2023 | 11.6% | 57 |

**no other information provided except that per capita consumption was below the goal of 104 gpcd.*

The proposed WUE Goals for the 2024 – 2030 period are as follows:

- **Supply Side Goal:** Reduce water loss rate such that by 2034 the water loss rate is at 10 percent or less.
- **Demand Side Goal:** Maintain average per capita consumption at or below 60 gpcd (gallons per capita per day).

Guidance on setting goals to use water efficiently is available at the following link: <https://doh.wa.gov/sites/default/files/legacy/Documents/Pubs//331-402.pdf>.

Water Use Efficiency Measures

The WUE Rule requires that water systems with 1,000 to 2,499 service connections must implement or evaluate a minimum of five water use efficiency measures. The proposed City of Castle Rock water use efficiency measures are as follows:

WUE Supply Side Measures

| Measure | Status |
|--|---|
| Require metering of all hydrants other than that of Fire Department use. | Accomplished |
| Replace old meters with low flow/leak detection features. | Accomplished |
| Repair/replace leaky mains and services that were installed prior to 1970. | Approximately 800 linear feet of water main has been replaced over the past year. |
| Conduct water audit every 3 years. | City wide leak detection was performed August 2024. Every year a water audit is conducted where we manually read every meter and compare it to the radio read for accuracy. |
| City wide pressure monitoring to detect potential water loss. | Planned for winter 2024 |
| Read master meters on the same day as customer meters. | Planned for August 2024 |

WUE Demand Side Measures

| Measure | Status |
|--|--------------|
| Use reclaimed water at Castle Rock wastewater treatment plant for landscape irrigation and equipment use. | Accomplished |
| Install new software for meters that will allow staff to respond to high consumption on leaks on customer side more efficiently. | Accomplished |
| Investigate into altering water bill to charge by the cubic foot instead of 100 cubic feet. | Accomplished |
| Provide educational information on water conservation to customers twice per year. | By 2027 |
| Encourage the use of rain barrels for irrigation watering. | By 2026 |
| Actively communicate with customers about increase usage as soon as possible. | Ongoing |