

**** The figures and rates used herein are based on 2025 utility rates and are for example purposes only. The rates are subject to change and should not be relied upon as an exact representation of the additional cost resulting from a leak. ****



THE COST OF A WATER LEAK

Potential Water Leak Costs & Water Waste

2 months = \$86.93 = minimum additional cost for a leak running at the minimum rate of 7.5 g/h.

- **10,800** = number of gallons of water wasted.

1 week = \$10.11 = minimum additional cost for minimum 24hr water usage at 7.5 g/h.

- **1,260** = number of gallons of water wasted in 1 week.

1 month = \$43.46 = minimum additional cost for minimum 24hr water usage at 7.5 g/h.

- **5,400** = number of gallons of water wasted in 1 month.

1 year = \$528.74 = minimum additional cost for minimum 24hr water usage at 7.5 g/h.

- **65,700** = number of gallons of water wasted in 1 year. ○ To calculate your leak cost: Rate X # of hrs ÷ 748 X \$6.02 = \$ extra cost.
○ To calculate your water waste: Rate X # of hrs = gallons of water wasted.



Basic Numbers & 2025 City of Yakima Rates:

748 = number of gallons in 1 unit of consumption (UOC) for water *usage* on your bill.

\$2.32 = 1 unit of water = 748 gallons

\$.47 = ready to serve charge per day/daily rate

\$3.70 = 1 unit of wastewater = 748 gallons

\$.85 = ready to serve charge per day/daily rate

\$6.02 = Total cost of 1 unit of water & wastewater

5 = the average unit's per person for 60 days (3,740 gallons), regardless of a person's age.

99.73 = hours it takes to use 1 unit of water at a constant minimum rate of 7.5 gallons / hr.

4.16 = days it takes to use 1 unit of water at a minimum rate of 7.5 gallons per hour.

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	Description	Meter #	Previous	Current	Usage	Amount
Water						
	Water Inside City Consumption	██████████	294	299	5	\$9.90
	Water Inside City Ready To Serve 3/4"					\$23.90
Wastewater						
	Wastewater Inside City Consumption				5	\$17.45
	Wastewater Inside City Ready To Serve 3/4"					\$47.80

Monitor your water usage for free at: <https://yakima.eyeonwater.com/signup>

Calculate your leak cost

Leak rate (gallons per hour) X number of hrs of constant usage (24 hrs X number of days). Then ÷ by 748 gallons X \$6.02 = additional cost of leak.

Example:

A leak of 30 g/h X 720 hrs (24 hrs X 30 days) = 21,600 gallons

21600 gals ÷ 748 gals (1 unit) = 28.87 units of water

28.87 units X \$6.02 water & wastewater 2023 rate = **\$173.80**

Breakdown of calculations on reverse side

\$86.81 = 2 month minimum additional cost for a leak running at the minimum rate of 7.5 g/h (60 days ÷ 4.16 days = **14.42 x \$6.02 = \$86.81**).

- 99.73 = number of hrs it takes to use 1 unit of water at a constant minimum rate of 7.5 gallons / hr.
 - 748 gallons ÷ 7.5 gallons = 99.73 hrs
- 4.16 = number of days it takes to use 1 unit of water at a minimum rate of 7.5 gallons per hour.
 - 99.73 hrs ÷ 24 hrs = 4.16 days

10,800 = number of gallons of water wasted

- 24 hrs X 60 days = 1,440 hrs X 7.5 gals = 10,800 gals. 14.44 units.

\$10.11 = 1 week cost for minimum 24hr water usage at 7.5 g/h

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- 1,260 = number of gallons of water wasted in 1 week. $\circ 24 \text{ hrs} \times 7 \text{ days} = 168 \text{ hrs} \times 7.5 \text{ gals} = 1,260 \text{ gals. } 1.68 \text{ units.}$
- $7 \text{ days} \times 24 \text{ hrs} = 168 \text{ hrs} \times 7.5 \text{ gals} = 1,260 \text{ gals. } 1260 \div 748 = \mathbf{1.68 \text{ unit} \times \$6.02 = \$10.11}$

\$43.46 = 1 month cost for minimum 24hr water usage at 7.5 g/h.

- 5,400 = number of gallons of water wasted in 1 month. $\circ 24 \text{ hrs} \times 30 \text{ days} = 720 \text{ hrs} \times 7.5 \text{ gals} = 5,400 \text{ gals. } 7.22 \text{ units.}$
- $30 \text{ days} \times 24 \text{ hrs} = 720 \text{ hrs. } 720 \text{ hrs} \times 7.5 \text{ gals} = 5,400 \text{ gals. } 5400 \div 748 = \mathbf{7.22 \text{ units} \times \$6.02 = \$43.46}$

\$528.74 = 1 year additional cost for minimum 24hr water usage at 7.5 g/h

$$24 \times 365 \text{ days} = 8760 \text{ hrs} \times 7.5 \text{ gals} = 65700 / 748 = \mathbf{87.83 \text{ units} \times 6.02 = \$528.74}$$