

Calculating a Winter Quarter Average and Residential Wastewater Charges

STEP 1

Find the three consecutive Utility Bills for the service period starting after December 1 and look at the back for the Meter Information for Water (Meter ID begins with 'WT').

STEP 2

- Add the Consumption Units

$$3 + 6 + 7 = 16 \text{ TGAL}$$

- Convert to gallons

$$16 \text{ TGAL} \times 1,000 = \mathbf{16,000 \text{ gallons}}$$

SERVICE PERIOD: 12/7/2022 - 1/6/2023 30 days				
Meter ID	Service Type	Current Read	Previous Read	Consumption 1/6/2023
WT127849	WA	1251	1248	3

SERVICE PERIOD: 1/6/2023 - 2/7/2023 32 days				
Meter ID	Service Type	Current Read	Previous Read	Consumption 2/7/2023
WT127849	WA	1257	1251	6

STEP 3

Determine number of days over entire winter quarter average period (3 consecutive billing cycles).

12/7/2022 – 1/6/2023	30 days
1/6/2023 – 2/7/2023	32 days
2/7/2023 – 3/9/2023	30 days
	92 days

SERVICE PERIOD: 2/7/2023 - 3/9/2023 30 days				
Meter ID	Service Type	Current Read	Previous Read	Consumption 3/9/2023
WT127849	WA	1264	1257	7

STEP 4

Divide the total consumption for the winter quarter average period by total number of days to get the average daily usage in gallons.

$$16,000 \text{ gallons} / 92 \text{ days} = \mathbf{173.91 \text{ avg gallons per day}}$$

STEP 5

Multiply the average daily usage by 30. The result is the Winter Quarter Average (WQA) in gallons

$$173.91 \times 30 = \mathbf{5,217.39 \text{ WQA}}$$

STEP 6

Apply the current wastewater rates* to the WQA of 5,217.39 to determine monthly Wastewater Charges.

Minimum Charge (first 2000 gallons)	2,000		\$38.29
\$8.41 per 1000 (remaining gallons)	3,217.39	$(3,217.39/1000) \times \$8.41 =$	27.06
	5,217.39		\$65.35 ** Wastewater charges

* Inside City Limit Residential Wastewater rates effective Jan 1, 2026.

Minimum = \$38.29 (includes 1st 2000 gallons)

\$8.41 per 1000 gallons for 3-25,000 gallons (charges are capped at 25,000 gallons)

** Rounding to the nearest .01 for instructional purposes.