

Charges for a House with Suite or Duplex (2 units)

A household with two dwelling units has its water meter read on August 5, which is 112 days since it was last read on April 15. The reading is 2619 cubic metres compared to the previous reading of 2386; therefore, consumption since the previous reading was 233 cubic metres or 51,260 gallons (1 cubic metre = 220 gallons). This works out to an average of 458 gallons per day (51,260/112) for this billing period.

Water fees are calculated by combining the water base charge and daily water usage rate. To get the water usage rate, take the average gallons (of water) used per day, and split it into the tiered rate structure. In this example, the first 220 gallons are in step 1, the next 220 gallons are in step 2, and the final 18 gallons are in step 3. Once you have calculated the daily rates, multiply each by the number of days on the bill and round to the nearest cent to get the totals as they will display on the statement.

CALCULATION OF WATER FEES (DAILY)

Water base charge (daily rate):	\$1.05932
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Water Consumption charges by tiered step (daily rate):

Step 1 – range from 0 to 220 gallons: 220 gallons x \$0.00223/gal	0.4906
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Step 2 – range from 221 to 440 gallons: 220 gallons x \$0.00555/gal	1.2210
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Step 3 – range from 441 to 660 gallons: 18 gallons x \$0.00971/gal	0.17478
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Total daily rate for 458 gallons average per day:	\$2.9457
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TOTAL WATER FEES ON STATEMENT (112 days):

Water base charge:	\$118.64
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Water consumption charges by tiered step:

Step 1 – range from 0 to 220 gallons: 220 gallons x \$0.00223/gal	54.95
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Step 2 – range from 221 to 440 gallons: 220 gallons x \$0.00555/gal	136.75
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Step 3 – range from 441 to 660 gallons: 18 gallons x \$0.00925/gal	19.58
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Total Water Fees:	\$329.92
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Sewer and garbage charges are both calculated as a daily charge. To calculate either, take the current year's fee, multiply by the number of days, and multiply again by the number of units. In this example, there are 2 units of each.

SEWER FEE	
\$0.46989/day per unit: 112 days x 2 units	\$105.26
GARBAGE FEE	
\$0.660270/day per unit: 112 days x 2 units	\$147.90

To get the eligible discount amount (5 per cent if paid on or before the due date) take the total of all charges and multiply by 0.05. Round the answer to the nearest cent and subtract it from the total of all charges. Continuing with the example, the final charges would look like this:

HOW THESE CHARGES WILL DISPLAY ON THE STATEMENT	
WATER BASE RATE – RES	\$118.64
WATER CONSUMP – RES: STEP 1 – 0 to 220 gallons 0.00212	54.95
WATER CONSUMP – RES: STEP 2 – 221 to 440 gallons 0.00529	136.75
WATER CONSUMP – RES: STEP 3 – 441 to 660 gallons 0.00925	19.58
SEWER UNIT RATE – RESIDENTIAL: 2 UNITS	105.26
GARBAGE UNIT RATE: 2 UNITS	147.90
TOTAL IF PAID AFTER DUE DATE:	\$583.08
LESS 5% DISCOUNT AVAILABLE:	-29.15
TOTAL IF PAID ON OR BEFORE DUE DATE:	\$553.93