

How to Calculate a Residential Water & Wastewater Bill

Trying to calculate your bill can be difficult at times since you may not know exactly how it is done. Here is guide to help you calculate your residential bill with ease.

Your bill is separated into 5 main charges:

- 1) **Water Use** - Rates for the number of gallons you use. See the Residential charts below (Single Family, Duplex, and Triplex). The more water you use, the higher the rate will be. This is to help with water conservation.
- 2) **Water Service** – A standard charge to cover the cost to maintain the water mains. We use our standard 91.25 days, and then prorate that with the actual amount of days in the billing quarter.
- 3) **Fire Capacity** – A standard charge to supply water for firefighting. Again, we use our standard 91.25 days, and then prorate that with the actual amount of days in the billing quarter.
- 4) **Wastewater Use** – A charge that changes with the gallons of wastewater you put out into the sewer system.
- 5) **Wastewater Service** – A standard charge for the cost to treat the wastewater you use. Again, we use our standard 91.25 days, and then prorate that with the actual amount of days in the billing quarter.

EXAMPLE: Ben has a single family home and used **15,000** gallons in this Quarter. He has a 5/8 meter and lives in the city. This quarter was 91 days. Let's calculate his Quarterly bill. Since he used more than 10,000 gallons he must use **TWO** rates to calculate his Water Use Charge.

1) Water Use

$$10,000 \text{ gallons} / 91.25 = 109.5890 \quad 15,000 \text{ gallons} - 9,973 = 5,027$$

$$109.5890 \times 91 = 9,973 \quad 5,027 \times .00381 = \mathbf{\$19.16}$$

$$9,973 \times .00294 = \mathbf{\$29.32}$$

$$\mathbf{\$29.32 + \$19.16 = \$48.48}$$

Usage Fees per 1,000 Gallons					
Residential					
Rates Effective 4/24/15					
Single Family		Duplex		Triplex	
Amount	Gallons	Amount	Gallons	Amount	Gallons
\$ 2.94	0 - 10,000	\$ 3.01	0 - 20,000	\$ 3.03	0 - 20,000
3.81	10,001 - 30,000	3.88	20,001 - 35,000	3.91	20,001 - 60,000
4.89	Over 30,000	4.96	Over 35,000	5.03	Over 60,000

2) Water Service Charge

(The **actual** # of days for this Quarter is 91, not 91.25)

$$\mathbf{\$24.10 \div 91.25 \times 91 = \$24.03}$$

3) Fire Capacity

(The **actual** # of days for this Quarter is 91, not 91.25)

$$\mathbf{\$16.90 \div 91.25 \times 91 = \$16.85}$$

4) Wastewater Use:

$$\mathbf{\$12.58 \div 91.25 \times 91 = \$12.55}$$

5) Wastewater Service

$$\mathbf{15,000 \times .00495 = \$74.25}$$

Rates Effective 4/24/15			
Service Charge		Public Fire Protection	
All Customers - 91.25 Days			
Meter	Amount	Meter	Amount
5/8	\$ 24.10	5/8	\$ 16.90
3/4	24.10	3/4	16.90
1	41.41	1	42.33
1 1/4	58.71	1 1/4	61.80

Wastewater Rates		
Effective January 1, 2015		
	City	Outside
Service Charge - Metered	\$ 12.58	\$ 12.58
Rate per 1,000 gallons	4.95	6.62
Unmetered Fixed Charge	148.50	198.60

TOTAL UTILITY CHARGES: \$176.16

****If you have any questions, please give us a call! 262-521-5272****