



## Estimation of Irrigation System Usage & Cost

Below is a table estimating the water usage an irrigation system with 5 zones (five heads per zone) would use in one watering cycle. In the table below it is estimated that each sprinkler zone uses 15 gallons of water per minute.

Sprinkler Zone	Time (minutes)	Gallons Per(minutes)	Total Gallons Per Zone	Total Cubic Feet Per Zone
1	10	15	150	20
2	10	15	150	20
3	10	15	150	20
4	10	15	150	20
5	10	15	150	20
<b>Totals</b>	<b>50</b>	<b>75</b>	<b>750</b>	<b>100</b>

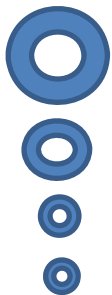
For one watering cycle a total of 750 gallons of water are used. There are 748 gallons per 100 cubic feet (cf), so 100 cf of water is being used for one watering cycle.

If the irrigation system is used once a day, three times a week, the total usage would be 1,200 cubic feet per month or 3,600 cubic feet or per quarter which equals 36 \*billable units.

Billable Units	Water Rate	Sewer Rate	Total
36	\$9.17	\$10.38	\$703.80

This total does not include regular household usage.

## A continuous leak from a hole of this size at 60 psi would waste:



- 1/4" = 158,000 cubic feet per billing quarter
- 3/16" = 89,031 cubic feet per billing quarter
- 1/8" = 39,400 cubic feet per billing quarter
- 1/16" = 9,850 cubic feet per billing quarter

\*One billable unit = 100 cubic feet of water used

\* One cubic foot = 7.48 gallons of water