How Much Water Does My Irrigation System Use?

NOTE: The examples below shows how much water a typical residential irrigation system in good working order uses. These scenarios assume a typical 13GPM (gallons per minute) output per zone. Your zones, water pressure, nozzle size, and other factors may vary

How to get a rough estimate of my usage:

I have ___ grass zones running ___ minutes per cycle, and ___ shrub zones running 10 minutes per cycle, 2 days a week

13 gallons a minute per grass zone 13 gallons a minute per shrub zone minutes per cycle minutes per cycle gallons per zone per cycle gallons per zone per cycle

___ x ___ zones = ___ gallons per cycle for ___ grass zones

___ x ___ = ___ gallons per cycle for ___ shrub zones

___ x ___ cycles = ___ gallons per week for ___ grass zones

___ x ___ days = ___ gallons per week for ___ shrub zones

___ x 4 weeks = ___ a month for ___ grass zones

___ x 4 weeks = ___ a month for ___ shrub zones

Totaling _____gallons

Example:

I have 6 turf zones running 20 minutes per cycle, and 2 shrub zones running 20 minutes per cycle, 2 times a day 3 days a week =

13 gallons a minute per turf zone

20 minutes per cycle

260 gallons per cycle x 2 times a day=520 gallons for both cycles for 1 day

520 x 8 total zones = 4,160 gallons for 8 total zones 2 times a day

4,160 gallons x 3 days a week= 12,480 gallons per week

12,480 gallons per week x 4 weeks= 49,920 (rounds to 50,000)

Total water usage = 49,920 gallons of water used in irrigation alone

CCMD Water Rates

Tier 1	$3.00 per 1,000 gallons- up to 10,000 gallons
Tier 2	$4.50 per 1,000 gallons- 10,000-15,000 gallons
Tier 3	$6.50 per 1,000 gallons- 15,000-20,000 gallons
Tier 4	$10.00 per 1,000 gallons- 20,000-30,000 gallons
Tier 5	$16.00 per 1,000 gallons- 30,000 and up

10,000 gallons x $3.00 per 1,000= $30.00
5,000 gallons x $4.50 per 1,000= $22.50
5,000 gallons x $6.50 per 1,000= $32.50
10,000 gallons x $10.00 per 1,000= $100.00
19,920 gallons x $16.00 per 1,000= $318.72
Total Water Cost= $503.72