

Water Loss Estimator

People are often surprised at how much water is used over a period of time. The following chart estimates the number of gallons lost in various situations through a 1/2" residential water line.

<u>Situation</u>	<u>Flow rate</u>	<u>Gallons lost/used</u>
Dripping Faucet	1/4 gallon per minute	10,800 / month
Leaking Toilet	1/2 gallon per minute	21,600 / month
Drip Irrigation	1 gallon per minute	43,200 / month
Watering grass for 2 hours per day (low flow)	5 gallons per minute	18,000 / month
Watering grass for 2 hours per day (high flow)	10 gallons per minute	36,000 / month
Unattended water hose (1 night)	10 gallons per minute	5,400 gallons
Broken service line (1 night)	15 gallons per minute	8,100 gallons
(1 day) 24 hours	15 gallons per minute	21,600 gallons
(1 week) 7 days	15 gallons per minute	151,200 gallons
(1 month) 30 days	15 gallons per minute	648,000 gallons
Stuck Ice Maker	2 gallons per minute	86,400 / month
Stuck Check Valve in washing machine	8 gallons per minute	240 gallons / 30 min cycle
Stuck float at watering trough	5 gallons per minute	216,000 gallons / month

Amount of water used in each of the following situations:

1 Bath	42 gallons
30 baths	1,260 gallons
1 shower	17 gallons
30 showers	510 gallons
Wash 1 Load of clothes	45 gallons
Wash 20 Loads of clothes	900 gallons
Flush Toilet	7 gallons
10 flushes per day	2,100 gallons / month