

Unrepaired Leaks Can Be Costly

Water Loss in Gallons at 50 psi

Leak this Size	Loss per Day	Loss per Month	Loss per Year
●	120	3,600	43,200
●	360	10,800	129,600
●	693	20,790	249,480
●	1,200	36,000	432,000
●	1,920	57,600	691,200
●	3,096	92,880	1,114,560
●	4,296	128,880	1,546,560
●	6,640	199,200	2,390,400
●	6,984	209,520	2,514,240

Drinking Water - It's Worth Saving

Office of Drinking Water
 1-800-521-0323
<http://www.doh.wa.gov/ehp/dwi>



WATER LOSS CHART

Provided by your friends at VRI Environmental Services, Inc.

Below are some things that occur daily either intentionally or unintentionally that result in a loss of water.

Common Causes of Loss

Use	Gallons per Minute	Gallons per Month
Dripping Faucet	¼ GPM	10,800
Leaking Toilet	½ GPM	21,600
Drip Irrigation	1 GPM	43,200
Watering Garden for 2 hours	5 GPM	18,000
	10 GPM	36,000
Stuck Ice Maker	2 GPM	86,400
Stuck Check Valve in Washing Machine for 30 minutes	8 GPM	240
Stuck Float in Watering Trough	5 GPM	216,000
Broken Service Line		
1 Night	15 GPM	8,100
1 Day	15 GPM	21,600
1 Week	15 GPM	151,200
1 Month	15 GPM	648,000

Typical Usage

Use	Amount of Water
1 Bath	42 Gallons
30 Baths	1,260 Gallons
1 Shower	17 Gallons
30 Showers	510 Gallons
Running tap while brushing teeth	1.3 Gallons
Shaving	2 Gallons
Wash 1 load of clothes	45 Gallons
Wash 20 loads	900 Gallons
Run dishwasher	5-13 Gallons
Flush toilet	3 Gallons
15 flushes per day	900 Gallons/month
Hosing driveway	13-26.5 Gallons
Washing car with running hose	26.5-80 Gallons

Water loss as a result of a leak .63 cm diameter (1/4") can mean a loss of 14,952 gallons per day. If undetected for a period of 34 days, over ½ million gallons are lost, plus resultant water damage or underground water undercutting. The following table shows leak sizes and their approximate loss in gallons from a pressurized 60 psi pipeline. A pinhole leak can mean an average loss of 18,000 gallons of water per quarter, normal demand from the average family home.