WATER LOSS & CONSERVATION

TOILET LEAKS

*A single flush of water is measured by the unit gallon per flush (also known as gpf).

A toilet that was manufactured prior to 1992 can use anywhere from 3 to 8 gpf! Toilets manufactured after 1992 must use a maximum of 1.6 gpf, but some use as little as 1.28 gpf.

That means that if a household were to flush the toilet 15 times in one day, they would use the following amount of water:

- 1.28 gpf @ 15 flushes = 19.2 gallons of water
- 1.6 gpf @15 flushes = 24 gallons of water
- 3 gpf @ 15 flushes = 45 gallons of water
- 8 gpf @ 15 flushes = 120 gallons of water

STOP!

Did you know that a silent toilet leak can use anywhere from 30 to 500 more gallons of water a day, and a leak you can hear can use much more water.

A toilet that leaks ½ gpm (gallon per minute) can use upwards of 21,600 gallons of water in one month.

Let the TOILET help you fix your possible leaking toilet

Test the water
Observe
Investigate
Look
Eliminate
Test

Test the water in your toilet by placing a packet of Kool-Aid or a few drops of food dye in the tank, let the toilet sit for at least 15 minutes or overnight, if possible.

Observe where the food dye went: if still in the tank or if now in the bowl or gone.

Investigate if there is visible water around the toilet.

Look for what could be causing the water leak and the dye to leave the tank

Eliminate the cause of the leak.

Test the water again to make sure that was the problem.

TYPICAL WATER USAGE

Shower heads:

- High efficiency uses 1.5 gpm

One shower for 15 minutes uses 22.5 gallons.

Thirty, 15 minute showers use 675 gallons.

- Regular shower head uses 2.5 gpm

One shower for 15 minutes a day uses between 45 and 150 gallons of water.

Thirty, 15 minute showers a month use 1,350 to 4,500 gallons of water.

Water Faucets:

Older water faucets can use 5 gpm of water or more.

Newer kitchen faucets are required to only use a maximum of 2.5 gpm

Newer bathroom water faucets are required to use a maximum of 2.2 gpm.

1 bath = 42 gallons

30 baths = 1,260 gallons

1 load of clothes = 45 gallons

20 loads of clothes = 900 gallons

1 dishwasher load = 10 gallons

15 dishwasher loads = 150 gallons

*All figures are estimates from the data collected from:

http://www.conserveh2o.org/ http://www.amwater.com/ https://www3.epa.gov/ https://spock.fcs.uga.edu/ http://toiletflapper.org/ http://www.h2ouse.org/