

Important information on water usage in old toilets vs. new toilets

Design improvements have allowed toilets to use 1.28 gallons per flush or less while still providing equal or superior performance. This is 20 percent less water than the current federal standard of 1.6 gallons per flush. Jun 3, 2024

How Much water does a household use per month for Toilets

Household Members

Water
Gallons
Per Month

1 person	3000
2 person	6000
3 person	9000
4 person	12000

The EPA reports that an average leaking toilet can waste about 200 gallons of water every day. Mar 15, 2023

Toilets made from the early 1980s to 1992 typically used 3.5 gallons per flush (13.2 liters) or more. Toilets made prior to 1980 typically used 5.0 to 7.0 or high gallons per flush (18.9 lpf to 26.5 lpf).

More modern toilets concentrate on using velocity, not volume, and can achieve better results using far less water. The new EPA Watersense label is given to toilets that meet new standards for water efficiency. They can reduce water usage by as much as 60%.

Sewage charges also vary across the country, but again for the sake of simplicity we can take an average, based on data from the Department of Energy, and estimate that the cost per gallon, including sewage charges, is around 0.8c

Therefore, taking the different toilet types into account, we can calculate an average cost based on the water used.

- **Toilets Made Before 1992: 2.8c to 4.8c per flush**
- **Toilets Made After 1992: 1.3c per flush**
- **Toilets With EPA Watersense Label: 1c per flush**

However, for the purposes of our calculations, we will work on the basis of 5 flushes at home, per person, per day.

What is the Annual Cost?

Using the above data, we can therefore estimate the annual cost of flushing your toilet.

- **Toilets Made Before 1992: \$51.10 to \$87.60 per year for 1 person, 2 persons, \$138, 3 persons \$207 per year**
- **Toilets Made After 1992: \$23.72 per year. 2 persons \$47.44, 3 persons \$71.16**
- **Toilets With EPA Watersense Label: \$18.25 per year. 2 persons \$36.50, 3 persons \$54.75**

Using this example, if half (324 units) of Northfield Hills had toilets installed prior to 1992 and changed them out to current toilets the savings on:

2 person condo = \$32, 886 savings per year

3 person condo = \$49,329

Think of how environmentally better this would be, not to mention the cost savings to you.