


Potty Time - Saving Water

1. Take a look at the graphic below. What do you see, what do you wonder?


This Facility is Committed
to Conserving Water




High-Efficiency Urinal

This urinal flushes with only 16 oz. of water, savings 88% more water per use than a standard one-gallon urinal.

ZURN Zurn Commercial Brass Products
1-800-997-3876



2. How many gallons of water does this urinal save per flush compared to a standard urinal? How many gallons of water does a standard urinal use per flush?
3. Here is a picture and details of a standard urinal. The 1.0 GPF means 1 gallon per flush. 128 ounces is equivalent to one gallon. Verify that the high efficiency urinal actually saves 88% more water than a standard urinal.



Washbrook 1.0 gpf
Washout Top Spud Urinal
with Manual Flush Valve
System

Model Number(s): 6501.511

★★★★★ 0 Reviews / Write a Review

FINISH: White (020)

MSRP ? \$640.00

[Where to Buy](#)

It doesn't stop with the urinals, there are water saving toilets too! See the info on toilets on the next page.

Toilet water use can vary significantly. Older toilets can use **3.5, 5**, or even up to **7** gallons water with every flush. Federal plumbing standards now specify that new toilets can only use up to **1.6 gallons** per flush (GPF), and there are high efficiency toilets that use up to 1.28 GPF

Toilet | Conserve H2O
www.conserveh2o.org/toilet-water-use

Older toilets can use four times more H₂O to flush!

WaterSense toilets use 1.28 gallons per flush & are guaranteed to work.



4. Based on the info, does a new high efficiency toilet or a urinal save a greater percent of water compared to older models? Explain or show your reasoning.

5. If every toilet and urinal in the world were switched to high efficiency models, how much water could be saved per year? You might have to conduct some research to estimate the answer to this question.

Sources: <http://www.who.int/mediacentre/factsheets/fs392/en/>
<https://www.quora.com/How-many-flush-toilets-are-there-in-the-world>

Brought to you by YummyMath.com
Pictures taken in a bathroom and/or from Google.com