

## How Much Water Can Be Saved?



### Easily Estimate Potential Gallons Saved by Upgrading

Replacing old toilets flushing at 1.6 gpf or more with WaterSense labeled models flushing at 1.28 gpf or less can result in significant water savings.

Use the following equation to estimate annual potential water savings per toilet and by property:

Water savings calculations and assumptions adapted from EPA WaterSense Water Efficiency Management Guide for Bathroom Suite, Nov 2017

### Example Savings

$$\begin{aligned}
 \text{Annual Savings by Toilet:} & \left( \frac{1.6}{\text{Existing GPF Volume}} - \frac{1.0}{\text{Replacement GPF Volume}} \right) \times \frac{5}{\text{Toilet Use per Person per Day}} \times \frac{3}{\text{\# of Occupants}} \times \frac{365}{\text{Days per Year}} = \frac{3,285}{\text{Gallons Saved per Toilet}} \\
 \text{Annual Savings by Property:} & \frac{3,285}{\text{Gallons Saved per Toilet}} \times \frac{390}{\text{Toilets on Property}} = \frac{1,281,150}{\text{Gallons Saved by Property}}
 \end{aligned}$$

### Estimate Your Property Savings

$$\begin{aligned}
 \text{Annual Savings by Toilet:} & \left( \frac{\text{Existing GPF Volume}}{\text{Existing GPF Volume}} - \frac{\text{Replacement GPF Volume}}{\text{Replacement GPF Volume}} \right) \times \frac{5}{\text{Toilet Use per Person per Day}} \times \frac{\text{\# of Occupants}}{\text{\# of Occupants}} \times \frac{365}{\text{Days per Year}} = \frac{\text{Gallons Saved per Toilet}}{\text{Gallons Saved per Toilet}} \\
 \text{Annual Savings by Property:} & \frac{\text{Gallons Saved}}{\text{Gallons Saved}} \times \frac{\text{Toilets on}}{\text{Toilets on}} = \frac{\text{Gallons Saved}}{\text{Gallons Saved}}
 \end{aligned}$$

