

# Home Water Audit

## WORKSHEET

Conduct a water audit today!

Calculate your water use, identify ways to conserve water and start saving money.



TOILET(S)	No. 1	No. 2	No. 3
Manufacture Date (Look inside toilet tank. Toilets manufactured and installed after 1994 typically use 1.6 gpf)			
Year Installed			
Gallons per flush (gpf) *			
Flushes per day (average is 5)			
Leak Detected?	Yes No	Yes No	Yes No
<b>No. 1</b> _____ gpf x _____ flushes per day = _____ <b>No. 2</b> _____ gpf x _____ flushes per day = _____ <b>No. 3</b> _____ gpf x _____ flushes per day = _____ + _____ =			<b>TOILET WATER USE</b>

\*If the gpf number is not imprinted on your toilet, calculate by measuring the volume of the toilet tank using the steps below.

STEP 1. Measure toilet tank. **Length** \_\_\_\_\_ **Width** \_\_\_\_\_

STEP 2. Measure water depth in toilet tank at **highest** point. Flush toilet. \_\_\_\_\_ inches  
 Measure water depth in toilet tank at **lowest** point. \_\_\_\_\_ inches  
 Subtract high from low to get **Depth**. = \_\_\_\_\_ inches

STEP 3. Calculate the amount of water used per flush.  
 Multiply **Length** \_\_\_\_\_ x **Width** \_\_\_\_\_ x **Depth** \_\_\_\_\_ = \_\_\_\_\_ cubic inches

STEP 4. Multiply STEP 3 answer by 0.004. \_\_\_\_\_ x 0.004  
 = \_\_\_\_\_ gallons per flush



SHOWER(S)	No. 1	No. 2	No. 3
Gallons per minute (gpm)*			
Length (in minutes) per shower			
Showers per day			
Leak Detected?	Yes No	Yes No	Yes No
<b>No. 1</b> _____ gpm x _____ length (mins) x _____ showers per day = _____ <b>No. 2</b> _____ gpm x _____ length (mins) x _____ showers per day = _____ <b>No. 3</b> _____ gpm x _____ length (mins) x _____ showers per day = _____ + _____ =			<b>SHOWER WATER USE</b>

\*In most cases, manufacturers imprint flow rate on fixtures (look around the edge) in gallons per minute (gpm). To accurately calculate flow rate, place a container under the showerhead, turn on and collect water for 10 seconds. Use a measuring cup to determine the amount of water collected.

STEP 1. # cups \_\_\_\_\_ ÷ 16 = \_\_\_\_\_ gallons

STEP 2. \_\_\_\_\_ gallons X 6 = \_\_\_\_\_ gallons per minute (gpm)



LAUNDRY (Washing Machine)						
Existing in home?	Yes	No	Leak Detected?	Yes	No	
Loads per week						
Gallons per load (gpl)*						
_____ gpl x _____ number of loads per week ÷ 7 =						<b>LAUNDRY WATER USE</b>

\*The average washing machine uses 41 gallons per load. If you are unsure or have a water-efficient machine, inspect and/or research the make and model to determine water use per load.



FAUCETS	No. 1		No. 2		No. 3	
Gallons per minute (gpm)*						
Length (in minutes) per use						
Uses per day (washing, cooking, etc.)						
Leak Detected?	Yes	No	Yes	No	Yes	No
<b>No. 1</b>	_____ gpm x _____ length (mins) x _____ uses per day = _____					<b>FAUCET WATER USE</b>
<b>No. 2</b>	_____ gpm x _____ length (mins) x _____ uses per day = _____					
<b>No. 3</b>	_____ gpm x _____ length (mins) x _____ uses per day = _____					
	+ _____ =					

\*Visually inspect household faucets to determine flow rates for each (measured in gallons per minute). To accurately calculate flow rate, place a container under the faucet, turn on and collect water for 10 seconds. Use a measuring cup to determine the amount of water collected. See shower listing on other side for formula.



DISHWASHER						
Existing in home?	Yes	No	Leak Detected?	Yes	No	
Loads per week						
Gallons per load (gpl)*						
_____ gpl x _____ number of loads per week ÷ 7 =						<b>DISHWASHER WATER USE</b>

\*The average dishwasher uses 10 gallons per load. If you are unsure or have a water-efficient machine, inspect and/or research the make and model to determine water use per load.

## CALCULATING TOTAL DAILY INDOOR HOUSEHOLD WATER USE

Add up the water use totals for each fixture included in this audit. If you discovered any leaks that have not yet been repaired, add an additional 10% to your household total water use.

For example, if a home consumed 70 gallons per day (gpd) and had leaky fixtures, its actual total is  $70 \text{ gpd} + (70 \times 0.1) = 77$ .

<b>TOILET</b>	+	<b>SHOWER</b>	+	<b>LAUNDRY</b>	+	<b>FAUCET</b>	+	<b>DISHWASHER</b>	=	<b>TOTAL WATER USE</b>

