



A Little WaterSense Goes a Long Way


Using WaterSense to Save Water & Engage Your Coworkers



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EPA WaterSense
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Why WaterSense?





WaterSense is voluntary partnership and labeling program launched by EPA in 2006


- Our vision
 - All Americans will understand the importance of water efficiency and take actions to reduce their water use – in their homes, outdoors, and at work.
- How will we achieve it?
 - By transforming the marketplace for products and services that use water
 - By promoting a nationwide ethic of water efficiency to conserve water resources for future generations and reduce water and wastewater infrastructure costs

What's special about WaterSense?

- High efficient and performing
 - Products must offer equivalent or superior performance while using about 20 percent less water than conventional models
- A label with integrity
 - Third-party bodies certify that products & homes meet WaterSense criteria
 - Backed by the credibility of EPA
- Smart use of taxpayer dollars
 - Manufacturers/builders absorb research, testing/inspection, and branding costs
 - Licensed certifying parties certify the products and police the label's use
 - EPA leverages national network of partners to promote WaterSense




What can agencies do?

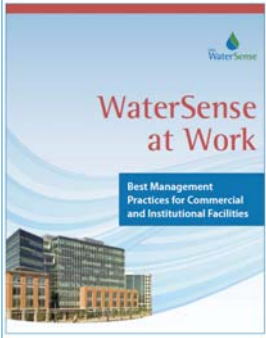
Requires action at all levels




- Mgt**: Set goals, prioritize actions, and provide resources to measure, manage and track water use
- Facility-level**: Assess operations and implement efficiency measures
- Products/Supply Chain**: When manufacturing and purchasing, consider product choices – explicit and embedded water use
- Staff**: Build awareness & promote behavior change to use water efficiently – internal and customer messaging



Use water efficiency best management practices



- Water management planning
- Water use monitoring and education
- Sanitary fixtures and equipment
- Commercial kitchen equipment
- Outdoor water use
- Mechanical systems
- Laboratory and medical equipment
- Onsite alternative sources of water



Products - Look for the WaterSense Label








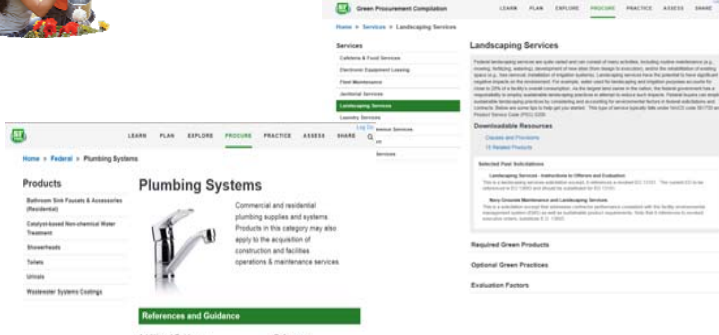

More than 18,000 product models have earned the label search tool at epa.gov/watersense




Water factors are also included in many ENERGY STAR certified products



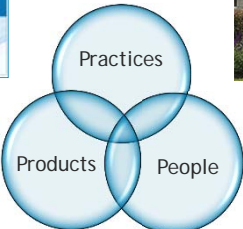
GSA Sustainable Facilities Tool Green Product Compilation



sftool.gov/greenprocurement/federal#categories



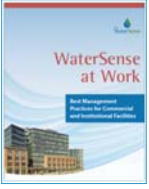
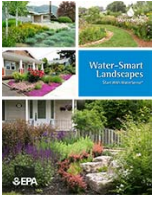


WaterSense focus - 3 P's



Actions that can be taken to reduce water use -- at home, outdoors and at work

Partners reach users to change behavior


Fixtures and technologies save water



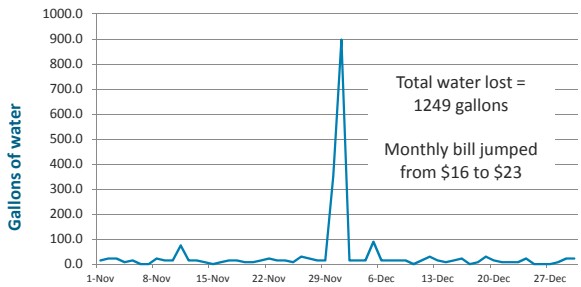
Be on the lookout for opportunities to save water

- Use more efficient products
- Find and fix leaks
- Change your behavior
- Know that many of these changes can also reduce energy consumption
- Leaks can make up 6-11% of home or facility water use!

What does a leak look like?

➤ Toilet flapper stuck open while employee was at work



- Pay attention to your bill for changes in use and take advantage of any opportunity to look at daily use info that is provided by some utilities




Bigger Leaks = More Waste



1 gpm 500,000 gal/year \$4,415/year*	2 gpm 1,000,000 gal/year \$8,830/year*	6 gpm 3,000,000 gal/year \$26,490/year*
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*at national average commercial cost of \$8.83 per 1,000 gallons



What can you do? *Be a leak detective*

Monitoring


- Read meters during off-peak hours
- Compare monthly readings
- Account for seasonal water use


Look and listen

- Dripping or flowing water in mechanical spaces
- Discharge to floor drains
- Running restroom fixtures
- Puddling outdoors

Detection


- Use dye tabs or food coloring to check for tank-type toilet leaks
- Install leak detection systems
- Failure abatement devices






What can you do? Participate in WaterSense Campaigns

- **Fix a Leak Week - March**
- Sprinkler Spruce-Up - May
- Save Water in the Yard – Summer
- Shower Better - Oct



We're Chasing Leaks for Fix a Leak Week




Spruce Up Your Sprinkler System

Inspect: Check for leaks, broken heads, and clogged filters. **18,000** gallons of water are wasted by a single leaking sprinkler head.

Connect: Make sure all connections are tight. **1,500** gallons of water are wasted by a single loose connection.

Select: Use RainSense or other smart irrigation controllers. **100,000** gallons of water are wasted by a single smart irrigation controller that is not programmed correctly.

Direct: Make sure your sprinkler heads are pointing in the right direction. **1,000** gallons of water are wasted by a single misdirected sprinkler head.




Why waste...

2,900 gallons of water + **13 DAYS** of energy to heat it + **\$70** per year


A SHOWER OF SAVINGS
Installing WaterSense labeled showerheads just adds up!

ShowerBetter




Simple Things We Can All Do

- **Step on it:** Step on the lawn if the grass is brown, a sign of drought stress. A sign of drought stress is a sign of water waste.
- **Leave it long:** Longer grass provides a more drought-resistant lawn, requires less irrigation, and saves water.
- **Take a sprinkler break:** Grass isn't really meant to be kept green in the summer.




Call to Action at Home

Held annually during 3rd week of March (March 20-26, 2017)
epa.gov/watersense/fixaleak




Fix a Leak Week

1 trillion gallons wasted
You can help reduce that waste
It's as simple as 1 2 3




Are you for water?
Check. Twist. Replace.

1. **Check** for leaks
2. **Twist** and tighten pipe connections
3. **Replace** the flapper or fixture



Call to Action at Work



REPORT WATER LEAKS

One leaky faucet can waste the equivalent of 7,881 one liter bottles per year!

Call for free repairs:
Medical Center (415) 353-1120 Campus (415) 476-2021

LivingGreen at UCSF

Post signage in restrooms and kitchen areas with:

- water saving fact or call to action
- contact info for repairs

Train custodial staff to identify and fix leaking or malfunctioning fixtures and equipment



Fight Water Waste



SPOTTING WATER WASTE

Look for these signs of water waste!

Spot Water Waste



Turn off the tap!

UNLESS YOU PLAN ON SWIMMING LAPS
DON'T FORGET TO TURN OFF THE TAP!

Turn off the Tap

<https://www.energystar.gov/buildings/creative-graphics#water>



Engage Staff to Find and Fix Leaks at Home & Work

- Share WaterSense resources
- Find out if your local utility is celebrating Fix a Leak Week
- Challenge staff to find leaks and calculate the savings
- Celebrate success!



THE FACTS ON LEAKS

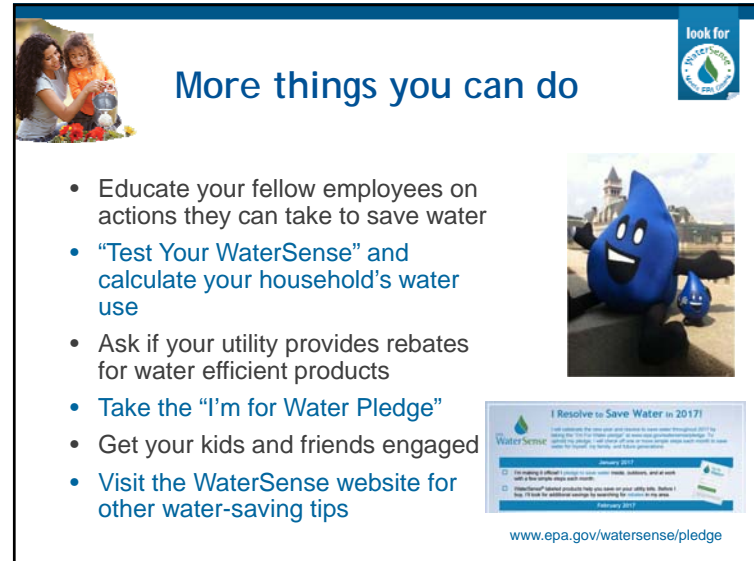
- 10 gallons of water are lost every second from leaks in homes.
- 3,000 gallons of water are lost every day from leaks in homes.
- Did you know? 1 trillion gallons of water are lost every day from leaks in homes.
- 10 Drips from a faucet can waste 500 gallons of water every year.
- REPAIR a leaking faucet can save 11 million homes.
- 13,000 homes have been repaired by WaterSense partners.



Take the 10 Minute WaterSense Challenge


DETECT AND CHASE DOWN LEAKS

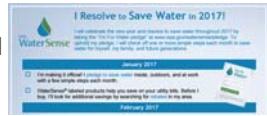
1. Check Your Utility Bill
2. Check Your Water Meter
3. Check Your Toilet



More things you can do

- Educate your fellow employees on actions they can take to save water
- “Test Your WaterSense” and calculate your household’s water use
- Ask if your utility provides rebates for water efficient products
- Take the “I’m for Water Pledge”
- Get your kids and friends engaged
- Visit the WaterSense website for other water-saving tips





I Resolve to Save Water in 2017!

WaterSense

1. I will be sure to follow the instructions on all water-saving products that I buy.

2. I will be sure to follow the instructions on all water-saving products that I buy.

3. I will be sure to follow the instructions on all water-saving products that I buy.

4. I will be sure to follow the instructions on all water-saving products that I buy.

5. I will be sure to follow the instructions on all water-saving products that I buy.

6. I will be sure to follow the instructions on all water-saving products that I buy.

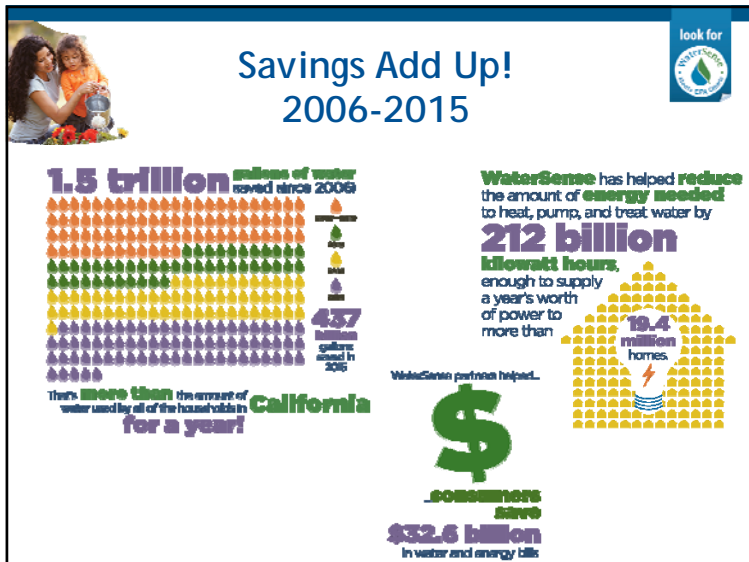
7. I will be sure to follow the instructions on all water-saving products that I buy.

8. I will be sure to follow the instructions on all water-saving products that I buy.

9. I will be sure to follow the instructions on all water-saving products that I buy.

10. I will be sure to follow the instructions on all water-saving products that I buy.

www.epa.gov/watersense/pledge



Savings Add Up! 2006-2015

1.5 trillion gallons of water saved since 2006

212 billion kilowatt hours saved since 2006

437 million gallons saved in 2015

19.4 million homes helped by WaterSense partners.

There's **more than** the amount of water used by all of the households in **California** for a year!

\$32.6 billion in water and energy bills saved.

WaterSense has helped reduce the amount of energy needed to heat, pump, and treat water by 212 billion kilowatt hours, enough to supply a year's worth of power to more than 19.4 million homes.



WaterSense Information

Visit us online!

www.epa.gov/watersense

- Product search
- Find an irrigation pro
- Fact sheets and resources for residential and commercial audiences – indoors and outdoors

Questions?

E-mail: watersense@epa.gov

Helpline: (866) WTR-SENS (987-7367)



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