



WaterSense Labeled Homes

Save Water and Energy

Why WaterSense Labeled Homes?

A WaterSense Labeled Home can Save Water and Energy:



50K

gallons of water or more per year for the average family

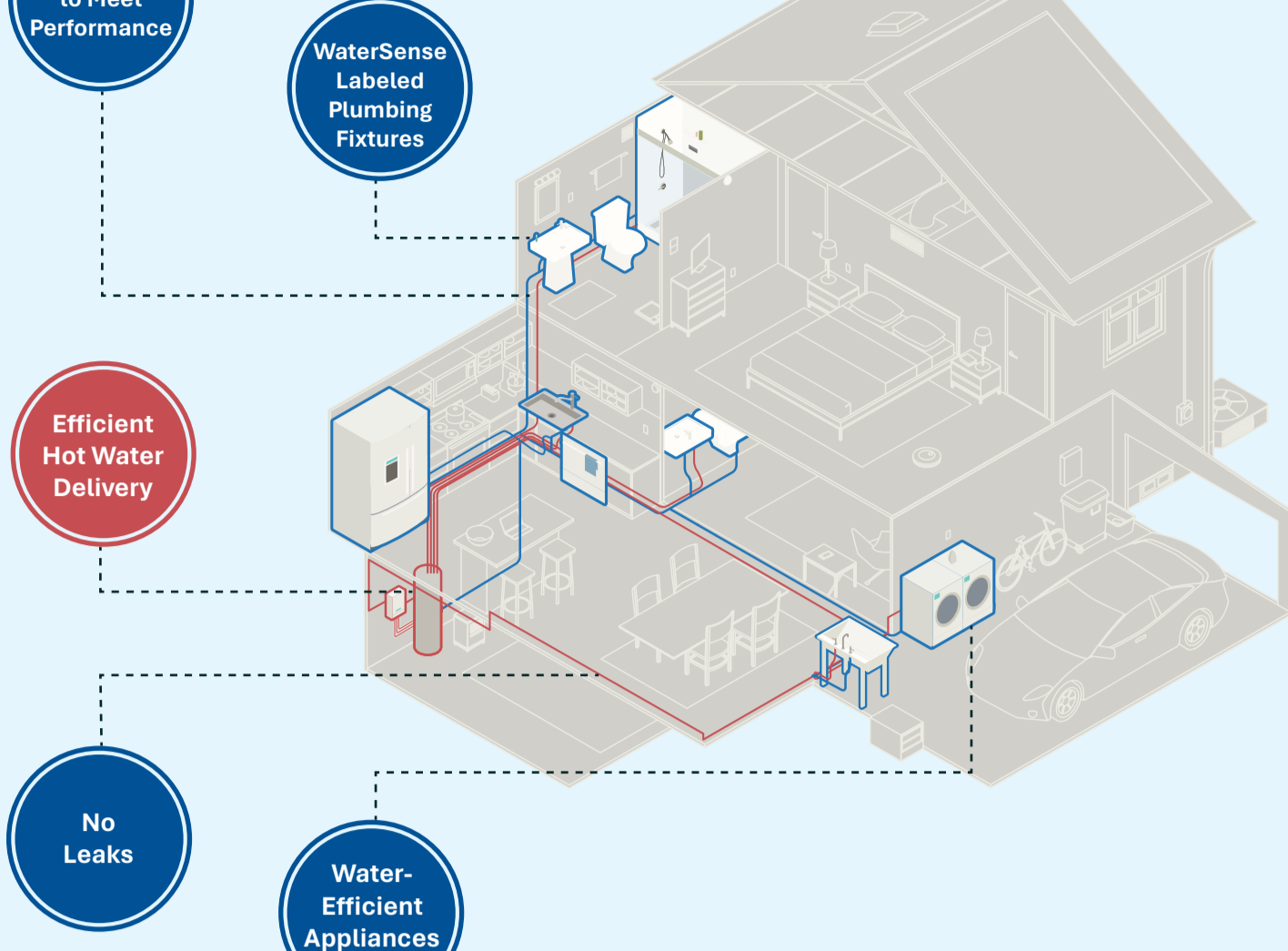


enough water to wash at least **2,800 loads** of laundry

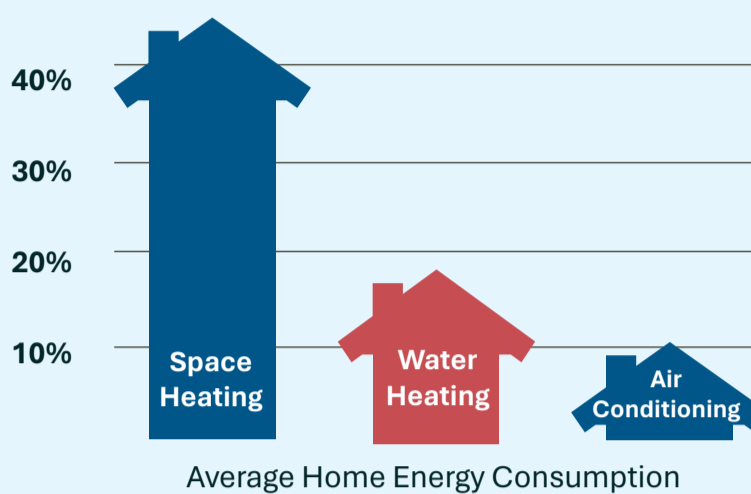
\$700

or more in **water** and **energy** bills

WaterSense Labeled Homes Are Designed for Efficiency



Did You Know?



Heating water is typically one of the largest **uses of energy** in a home

Appropriate Water Pressure Prevents Leaks and Ensures Performance



40 psi

Under-Pressure

Properly installed fixtures, equipment, and appliances **should not leak**. A reading lower than 60 psi may indicate an unseen leak.



60 psi

Appropriate Pressure

Ensuring that the pressure entering a home is at 60 psi provides **performance** and **water savings**.

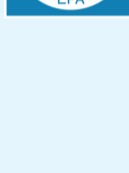


85 psi

Over-Pressure

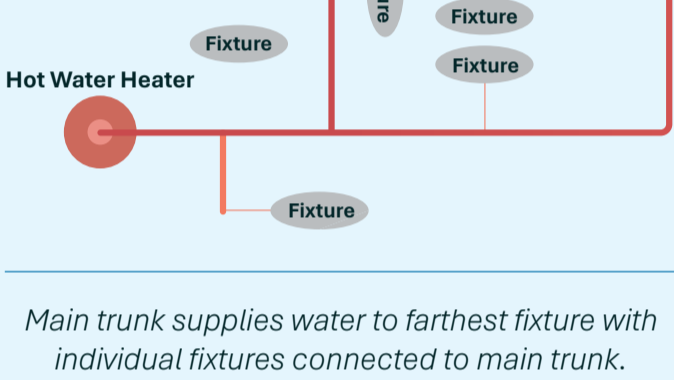
Higher pressure can affect the performance of fixtures and may **increase breakdowns** in a plumbing system.

More Efficient Designs Can Reduce Wait Time for Hot Water



Common Distribution System Design

Trunk and Branch



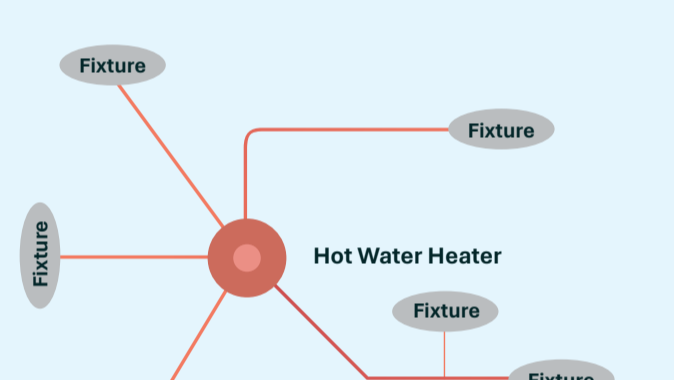
Main trunk supplies water to farthest fixture with individual fixtures connected to main trunk.

i This common design may be good for small houses, but it also has the greatest potential for inefficiency.

- Most common with plumbing professionals
- Suitable for homes with fewer fixtures
- Suitable for multifamily housing if installed individually in each unit

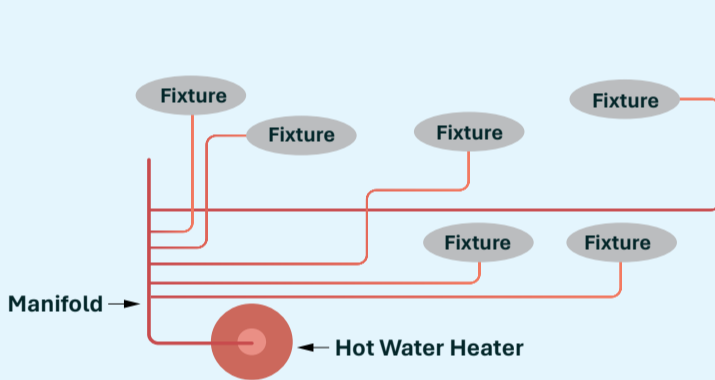
Smarter Distribution System Designs

Core



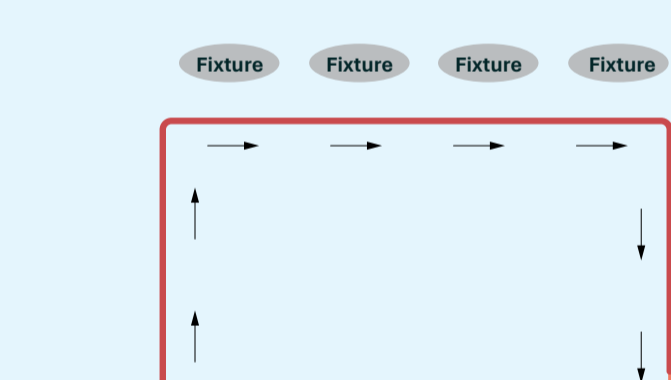
Pipes run directly from the water heater to individual fixtures, requiring less material and less time to install, thus lowering costs.

Whole-House Manifold



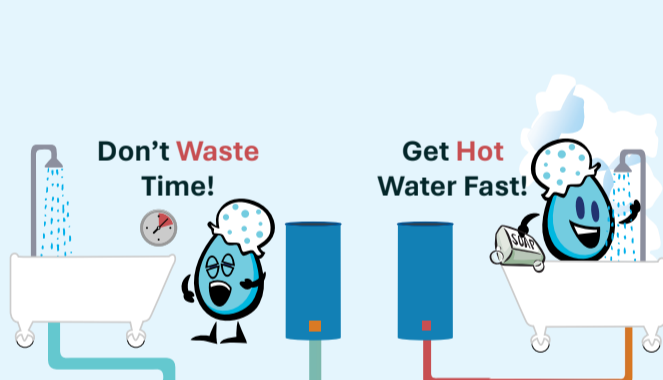
Piping runs from manifold to individual fixtures. Requires fewer fittings and installation is more flexible. Ideal for larger homes.

Demand-Initiated Recirculation



Piping runs directly from loop to individual fixtures that are within 10 feet. If designed properly, can be the most water-efficient hot water delivery system.

Happy Homeowners



Efficient hot water delivery systems deliver hot water faster to the point of use and waste less energy and water in the process.

WaterSense Labeled and ENERGY STAR® Certified Products Save Water and Energy



≤ 2.0 gallons per minute



≤ 1.28 gallons per flush



≤ 1.5 gallons per minute



≤ 3.2 gallons per cycle



≤ 4.3 IWF*



WaterSense labeled products are more water-efficient than standard products in that category and perform well.



Standard-size dishwashers and clothes washers with the ENERGY STAR label use less water and energy.

*Integrated Water Factor, IWF, is the water performance metric for ENERGY STAR

WaterSense Labeled Homes Compared to Typical Homes



	Water Used Indoors	Energy Used to Heat Water	Associated Utility Costs
WaterSense Labeled Home	36,700 GPY*	2,050 kWh per year	\$750 per year
Typical Home	52,400 GPY	2,950 kWh per year	\$1,075 per year

A WaterSense Labeled Home SAVES

15,700 GPY

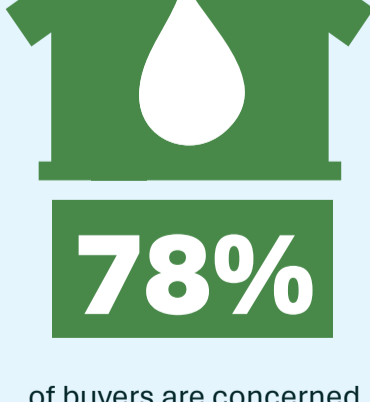
900 kWh per year

\$325 \$\$\$ per year

Figures assume an average family size of 3.23 occupants.

*Gallons Per Year

Buyers Are Motivated to Look for Greener Options



78%

of buyers are concerned about the **impact of their homes** on the environment.



55%

of home buyers consider **water-efficient plumbing products** to be essential or desirable within a home.

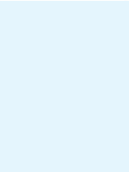


49%

of buyers would pay at least \$500 to **certify that their new home is water-efficient**.



Visit **epa.gov/watersense** to open the door to savings!



Last revised: January 2024.

References

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