Heat Pump Water Heaters for the Southeast



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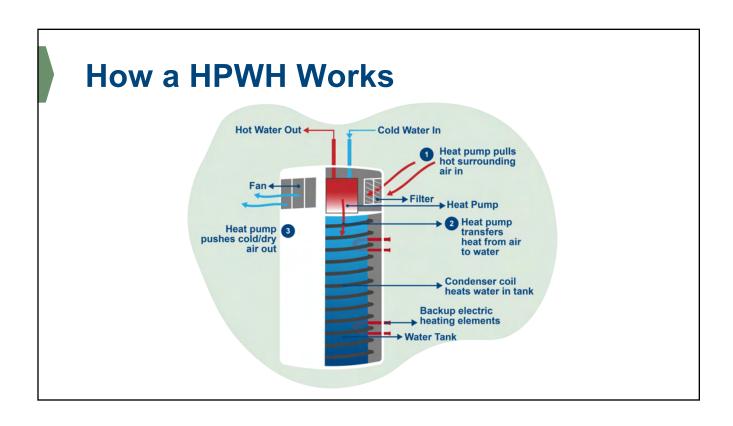


Terminology

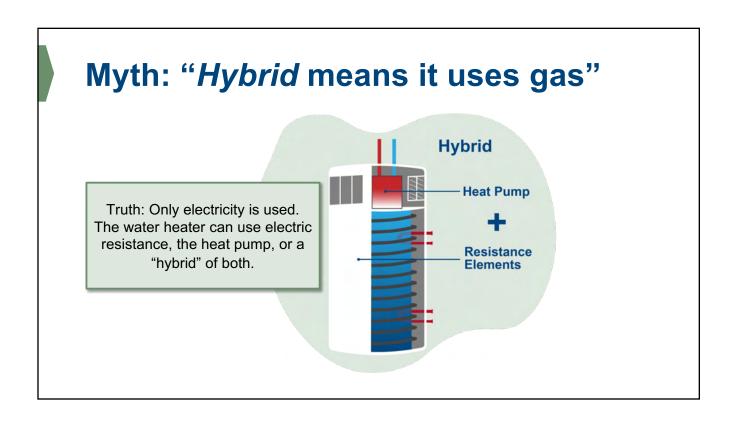
UEF - uniform energy factor **FHR** - first hour rating

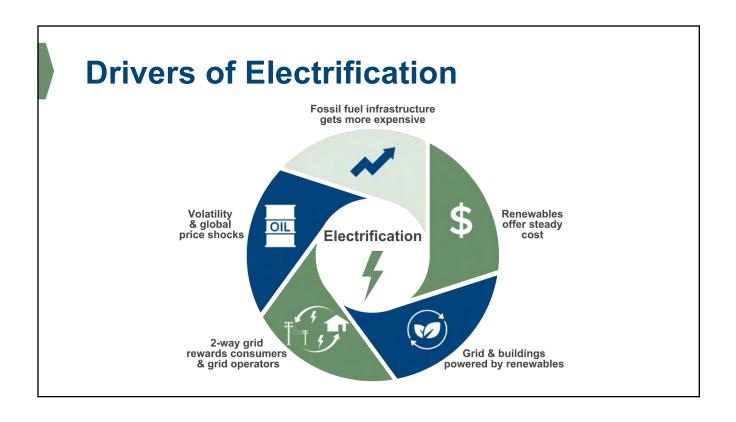
Bin	Bin Daily Usage (Gallons)	First Hour Rating (Tank-Type)	Max GPM (Tankless)
Very Small	10	< 18 Gallons	< 1.7
Low	38	18 - 51 Gallons	1.7 - 2.8
Medium	55	51 - 75 Gallons	2.8 - 4.0
High	84	> 75 Gallons	> 4.0

https://www.energy.gov/energysaver/estimating-costs-and-efficiency-storage-demand-and-heat-pump-water-heaters







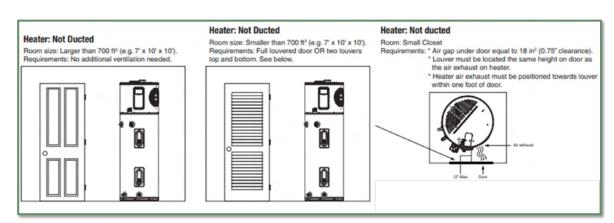


Prepare for the Future

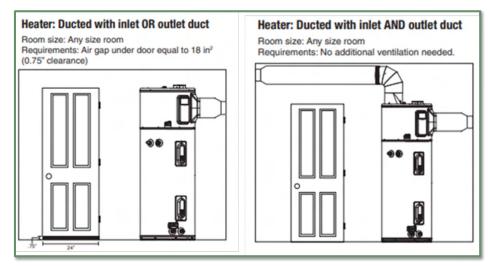
If HPWHs reached 15% Current share of annual electric water heater sales of the installed base* every year, we could save **Current share of installed** 15.6 billion kWh <1% base of electric water The avoided greenhouse gas emissions would be the 180+ Number of HPWH models equivalent of removing 2.3 million cars from the roads available in the U.S. each year. *37 million households with electric water heaters of 31 gallons or larger.

Source: US national data from Department of Energy Residential Program Guide

Ideal Installation Scenarios for HPWH



Ideal Installation Scenarios for HPWH



Source: https://images.thdstatic.com/catalog/pdflmages/6d/6d277c0f-ad7f-4753-b3e1-a55fa917dedf.pdf