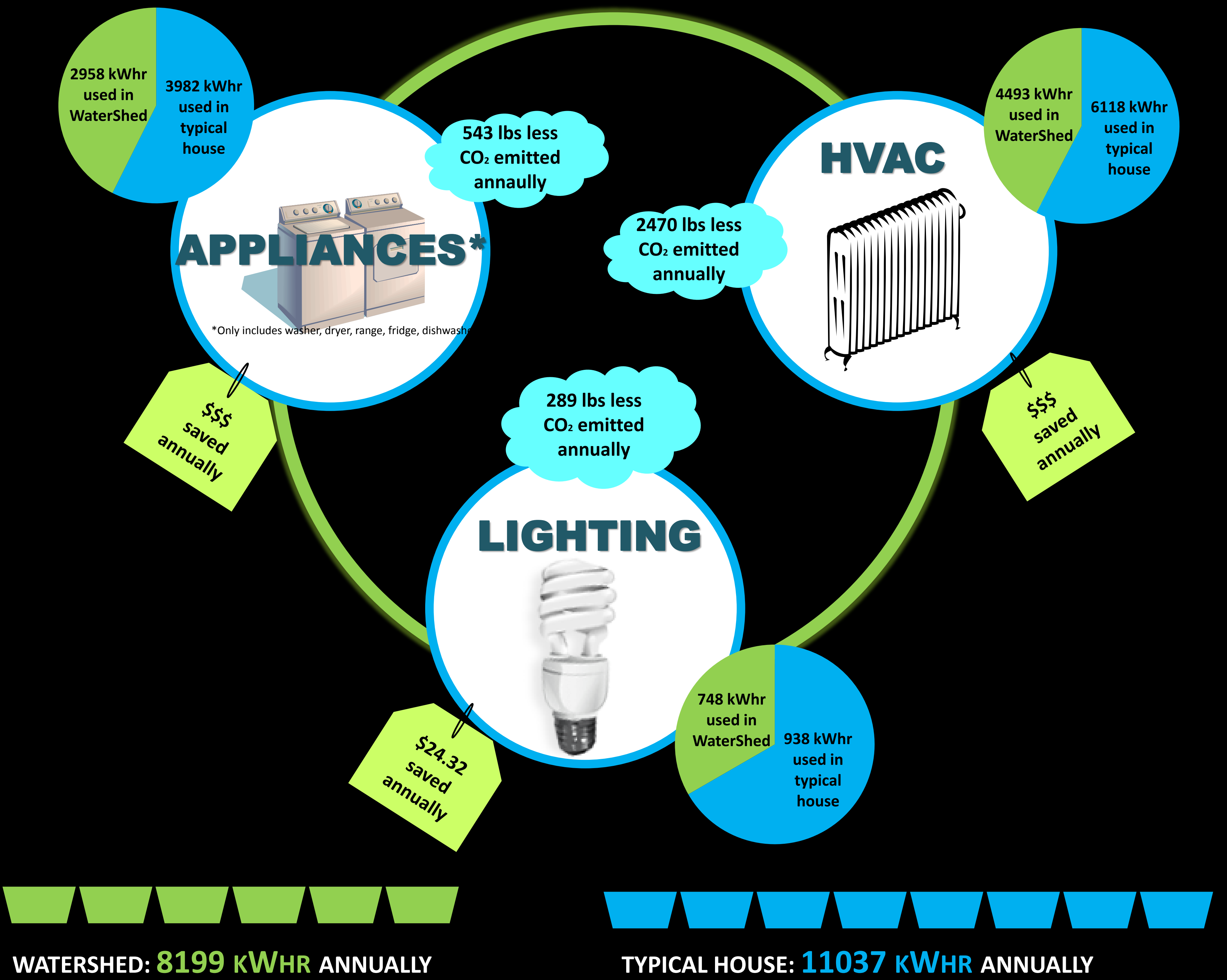


# ENERGY SAVINGS IN YOUR POCKET

## ENERGY COMSUMPTION



OR A **24%** SAVINGS IN ELECTRICITY

That's equivalent to planting **68** trees!



## ENERGY GENERATION



Net Initial Cost	\$28,259	Net Initial Costs	\$39,212
Including incentives		Including incentives	
Net Savings Per Year	\$3,755	Net Savings Per Year	\$5,055
From disuse of coal		From disuse of coal	
Payback Period	7.5 YEARS	Payback Period	8 YEARS

CALCULATION SOURCES		Source
Data Name	Data Used	
Average Retail Price of Electricity	\$0.13/kWhr for residential electricity in Maryland (2011)	U.S. Department of Energy-U.S. Energy Information Administration <a href="http://www.eia.doe.gov">www.eia.doe.gov</a>
CO2 Emissions Rate	6.90x10-4 metric tons CO2/kWhr or 1.52 lbs CO2/kWhr (2011)	U.S. Environmental Protection Agency-Green Power Equivalency Calculator <a href="http://www.epa.gov/greenpower/">http://www.epa.gov/greenpower/</a>
Incentives for Renewables and Efficiencies	\$0.33/kWhr Solar Renewable Energy Credit (2011) \$0.30/\$1 installation cost Federal Incentive (2011) \$4600 State Incentive (2011)	U.S. Department of Energy-Database of State Incentives for Renewables and Efficiencies <a href="http://www.dsireusa.org/incentives/">http://www.dsireusa.org/incentives/</a>
Amazon Rainforest Facts	300 million hectares in the Amazon 470 trees per hectare	University of Buffalo Library-The Deforestation of the Amazon: A Case Study in Understanding Ecosystems and Their Value by Phil Camill <a href="http://ublib.buffalo.edu/libraries/">http://ublib.buffalo.edu/libraries/</a> Harvard University-School of Engineering and Applied Science-Carbon Balance and Vegetation Dynamics in an Old-growth by Amy H. Rice et al. <a href="http://people.seas.harvard.edu/">http://people.seas.harvard.edu/</a>
CO2 Absorption Rate	48 lbs per mature tree annually	Colorado Trees: <a href="http://www.coloradotrees.org">http://www.coloradotrees.org</a>
Households	129,969,653 housing units in United States (2009)	U.S. Census Bureau-QuickFacts <a href="http://quickfacts.census.gov">http://quickfacts.census.gov</a>
U.S. National Debt	\$1,433,527,864,200,590 as of May 09, 2011	Debt Clock: <a href="http://www.brillig.com/debt_clock/">http://www.brillig.com/debt_clock/</a>



If all households in the United States owned a WaterShed, we would save **368 billion kWhr** of electricity

