

Total Possible Energy Savings from Effective Energy Conservation and Efficiency Actions: **69%**

Potential Energy Saved by FREE or very Low-Cost Household Actions	Up to...
Heat: turn down thermostat from 72 to 68 degrees during day; and to 65 degrees during night	2.8%
Change washer temperature settings from hot wash, warm rinse; to warm wash, cold rinse	1.2%
Line dry clothing 7 months out of year	1.1%
Turn down water heater from 140 degrees to 120 degrees F	0.7%
Cooling: Turn up thermostat from 73 degrees to 78 degrees F in summer	0.6%
Watch 25% fewer hours of TV each day	0.6%
Don't leave 1 60 Watt incandescent bulb on all night	0.5%
Turn up refrigerator from 33 to 38 degrees; Turn up freezer thermostat from -5 to 0 degrees F	0.5%
Replace two 100 Watt bulbs with 75 Watt Bulbs	0.3%
Total possible No Cost Home Energy Savings	8.3%
Potential Energy Saved by FREE Transportation Actions	
	Up to...
Carpool with 1 person	4.2%
Alter Driving: Avoid sudden acceleration & stops	3.2%
Combine errand trips to 1/2 of current mileage	2.7%
Cut highway speed from 70 to 60 mph	2.4%
Maintain correct tire pressure	1.2%
Total Possible No Cost Transportation Energy Savings	13.7%
Total Possible No/Low Cost Energy Savings	22.0%

Potential Energy Savings by Investing in Greater Efficiency	Up to...
Upgrade Attic Insulation and ventilation	7.0%
Install more efficient heating and A/C units	5.1%
Replace 85% of all incandescent light bulbs with equally bright CFLs	4.0%
Replace poor windows with high efficiency windows	3.7%
Caulk & weather-strip home	2.5%
Replace pre-2001 refrigerators with new Energy Star unit	1.9%
Install more efficient water heater (EFS .7 unit)	1.5%
Replace 48" Plasma HD TV with a 52" Projection HD TV (LDC)	1.3%
Replace pre-2001 clothes washer with new Energy Star unit	1.1%
Total Potential Home Savings with Financial Investment	28.1%
Potential Transportation Savings by Investing in Greater Efficiency	
	Up to...
Buy Fuel Efficient Vehicle getting 30+ mpg	13.5%
Get Frequent Tune-Ups and air filter changes	3.9%
Buy low-rolling resistance tires	1.5%
Total Potential Transportation Savings with Financial Investment	18.9%
Total Possible Household Energy Savings with Investment in Energy Efficiency	47.0%

From: Gerald T. Gardner and Paul C. Stern, 2008, *The Short List: The Most Effective Actions U.S. Households Can Take to Curb Climate Change*, Environment Magazine, September/October 2008 Issue

www.FrederickCountyMD.gov/GreenHomes
GreenHomes@FrederickCountyMD.gov
Phone: 301-600-7414

