



## Energy waste reduction at your home to lower your bills

Energy Waste Reduction (EWR) has become a top priority in Michigan. For every \$1 spent on these energy efficiency programs, customers can save \$4 in avoided energy costs.

It's true: the cheapest energy is the energy you don't use.

### Ways to save:

- A programmable thermostat can save an estimated 10 percent a year on heating and cooling.
- Sealing air leaks will help decrease heating and cooling costs and make your home more comfortable.
- If you replace five of your home's most frequently used lights with LED light bulbs you can save approximately \$75 a year. Check your local stores for discounts.
- Cooling your home during the summer months with a ceiling fan can lower your temperature by four degrees.
- Advanced power strips (APS) allow you to manage the energy consumed by your home electronics, saving you money and energy without any extra effort. Advanced power strips can save up to \$200 a year on appliances that are still using power that is turned off.
- Replacing a furnace with an energy efficient one.

### Resources:

Visit the [Energy Waste Reduction](#) link at the Michigan Public Service Commission website: [www.michigan.gov/mpsc](http://www.michigan.gov/mpsc)

**Contact your local utility** for available Energy Waste Reduction programs or rebates.

Visit [www.energy.gov/energysaver](http://www.energy.gov/energysaver) and [www.energystar.gov](http://www.energystar.gov)

**Call 211** for local energy waste reduction agencies in your area.

**The Michigan Saves Home Energy Loan Program** makes energy waste reduction improvements easy, affordable and smart. Visit [www.michigansaves.org](http://www.michigansaves.org)




# Home energy use breakdown

Device	Energy used
Heating System	26 percent
Cooling System	17 percent
Appliances	14 percent
Water Heater	13 percent
Lighting	10 percent
Electronics	7 percent
Other	13 percent



# Lightbulb efficiency comparison

Least efficient  Most efficient

Bulb Type	Incandescent	Halogen	CFL	LED
				

Brightness	Energy Used			
	Incandescent	Halogen	CFL	LED
450 Lumens	40w \$4.82/yr	29w \$3.49/yr	11w \$1.32/yr	9w \$1.08/yr
800 Lumens	60w \$4.23/yr	43w \$5.18/yr	13w \$1.57/yr	12w \$1.44/yr
1100 Lumens	75w \$9.03/yr	53w \$6.38/yr	20w \$2.41/yr	17w \$2.05/yr
1600 Lumens	100w \$12.05/yr	72w \$8.67/yr	23w \$2.77/yr	20w \$2.41/yr
Longevity	1 Year	1-3 Year	6-10 Year	15-20 Year

**Lighting accounts for 20 to 30 percent of electric bill**

Estimated energy cost per year is based on three hours of use per day at 11 cents per kWh in an average single family home according to the Department of Energy. Michigan's statewide average is 16.3 cents per kWh.