



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

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

Visit www.energy.gov/energysaver and 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

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 | | | | |
|--|---|--|---|--|-------------------------|--|
| | | Incandescent | Halogen | CFL | LED | |
| Bulb Type |  |  |  |  | | |
| | Energy Used | | | | | |
| |  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.