

# Energy-saving tips

## Appliances & electronics

- Look for the ENERGY STAR® label when shopping for electronics and appliances, from light bulbs to dishwashers to refrigerators. When you see the ENERGY STAR label, you will know that the product is one of the most efficient products on the market.
- Unplug electronics and devices that use standby power when not in use. A smart power strip can help you by cutting power to appliances and electronics when not in use.

### Washer & dryer

- Wash and rinse clothes in cold water rather than hot. Also, put heavy loads (such as towels and bedding) through the spin cycle twice if your machine allows. This will remove more water and make drying times shorter.
- Always fill your washer and dryer to capacity whenever possible.
- Always clean your dryer's lint filter after each load.

### Dishwasher

- Even a partial load can save gallons of water over hand-washing.
- A typical cycle uses four gallons of water where most faucets use two gallons every minute.
- Turn off the drying cycle on your dishwasher and allow your dishes and silverware to air dry by opening the door.

### Refrigerator & freezer

- Keep your refrigerator at its recommended temperature of 38° F to 40° F.
- Do not overcrowd your refrigerator. Leaving ample space allows cool air to flow inside and cool without overworking.
- Do not overcrowd freezer as this can cause reduced airflow, restricting the ability of the refrigerator to maintain proper temperature.

### Oven & range

- Use a lid on your pots and pans when boiling water. It will help water reach a boil more quickly and use less energy.
- Prepare meals in slow cookers, electric frying pans, toaster ovens and microwaves whenever possible.
- Thaw frozen meats completely in the refrigerator before cooking. It will allow for more even cooking and less energy consumption.

## Lighting

- Turn off all lights when you leave a room or when they're not essential.
- Use LED bulbs for all of your lighting needs.

## Heating & cooling

- During summer months, be sure to close drapes and shades to keep out unwanted heat and sun. In the winter, do the opposite by keeping shade and drapes open and allowing natural sunlight to warm your rooms. On a cloudy day, keep them closed to prevent heat loss.
- Close heating vents and radiator valves in unused areas of your home and be sure that vents and registers are not blocked by drapes or furniture to allow warm air to circulate.
- Keep doors and windows closed as much as possible, especially in rooms that are not in use.
- Use fans instead of air conditioners whenever possible.
- Keep your heating exhaust vents clear of snow.
- Have your furnace/boiler checked and cleaned annually.
- Change your HVAC filters regularly.

## Water

- Save on water by turning the faucet off when you shave or brush your teeth.
- Many hot water heaters are factory set for 140° F, which is far higher than you need. Reset yours to 120° F.  
*TIP: Use a kitchen thermometer to check faucet temperature.*
- Take showers instead of baths, as they use significantly less water.



# Helping you save energy at home

- Choosing efficient appliances
- Simple and effective energy-saving tips

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# Bright ideas

A comprehensive guide to help you select the right lighting for your home.

## Which bulb is right for me?

There are a variety of different energy-efficient LED bulbs that are suitable for every lighting situation around your home. Some things you should look for and consider when shopping:

**Look for the star** – ENERGY STAR® certified bulbs ensure that you are getting a quality light bulb that has met the energy consumption and performance standards measured and verified with independent testing.

**Read the room** – Each room of your home is different, and your lighting needs will vary from room to room. Fortunately, there are plenty of options when it comes to color and bulb shapes.

**Know the facts** – Each bulb will have different information and facts listed on its packaging. Be sure to know which facts are important for your lighting needs and what they mean for your home and wallet.

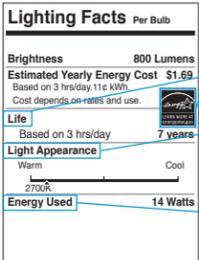
What is the difference between incandescent bulbs and LEDs?		
What will each cost me over time?		
		
<b>Bulb Type</b>	Incandescent	LED
<b>Power Used (Watts)</b>	60	8-12.5
<b>Light Output (Lumens)</b>	800	800
<b>Lifetime (Hours)</b>	1,000	15,000-20,000
<b>Annual Operating Cost</b>	\$12.61	\$1.89
<b>Lifetime Savings</b>	\$0	\$130-\$230

**Choosing the right color**  
With ENERGY STAR light bulbs, you have options for your white light. Light color is measured on the Kelvin scale (K). As you see below, lower numbers mean light appears yellowish, and higher numbers mean the light is whiter or blue.



<b>Warm White, Soft White</b> Standard color of incandescent bulbs 2,700K-3,000K	<b>Cool White, Natural White</b> Good for kitchens and work spaces 3,500K-4,100K	<b>Natural or Daylight</b> Good for reading (think blue sky at noon). 5,000K-6,500K
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### What does the information on the light bulb package mean?



- ENERGY STAR logo:** Indicates which LEDs meet ENERGY STAR requirements for efficiency, lifetime and quality.
- Life:** Estimates in years how long the bulb will last. Long-life bulbs save you the hassle of frequent bulb changes.
- Light appearance:** Tells you the shade of light. Incandescents produce warm white light between 2,700 and 3,000K. Bulbs that produce cooler or more bluish light will have a higher rating, such as 3,500-6,500K.
- Energy used (watts):** Measures bulb energy use, not brightness.

Go to [energystar.gov](http://energystar.gov) and your local electric utility website for more information on lighting and lighting products.

## Enhanced incentives

If you live in a 1-4 unit home and meet the income guidelines, enhanced incentives are a great way to save money on energy-saving improvements.

Number of Household Members	Annual Household Income 2021-2022 Heating Season
1	\$40,952-\$54,601
2	\$53,552-\$71,401
3	\$66,152-\$88,201
4	\$78,752-\$105,001
5	\$91,352-\$121,802
6	\$103,952-\$138,602

### Enhanced incentives offers:

**Heating and cooling equipment** – Heat pumps, boilers and furnaces

**Barrier mitigation grants** – Removal of knob and tube wiring or vermiculite to install weatherization improvements

**Weatherization upgrades** – Insulation, weatherstripping, etc.

To see if you qualify for enhanced incentives, visit [MassSave-Qualify.clearesult.com/Income-Verification](http://MassSave-Qualify.clearesult.com/Income-Verification)

## Getting comfortable

A guide to appliances and services that help keep your home cozy.

## What are heat pumps?

One of the most efficient home heating and cooling systems is a heat pump. Heat pumps come in a variety of sizes, options and prices. That's why the Sponsors of Mass Save offer rebates and incentives to help homeowners make the switch.

### Air source heat pumps

**Whole-home rebates:** We offer rebates to customers who install heat pumps as the sole source of heating and cooling. Completion of weatherization recommendations made during a Home Energy Assessment is required for this rebate. To schedule an assessment, call **866-527-SAVE (7283)**.

**Partial-home rebates:** We offer rebates based on equipment size (tonnage) to customers who install heat pumps to supplement an existing heating system or section of their home. To qualify for partial-home heat pump rebates, integrated controls must be installed in homes with oil, propane or natural gas back-up.

AIR SOURCE HEAT PUMP REBATES			
Equipment Type	Rebate Type	Efficiency Requirements	Rebate Amount
Air Source Heat Pumps	Whole-Home		\$10,000 per home
	Partial-Home	Refer to the <a href="http://MassSave.com/HPQPL">MassSave.com/HPQPL</a>	\$1,250 per ton, up to \$10,000



## Don't let your energy slip through the cracks

Drafts can be costly when it comes to your home's energy consumption. You can be certain that your home is ready for all seasons by signing up for a no-cost Home Energy Assessment to identify any opportunities to improve your home's energy performance with insulation upgrades and air sealing. Insulation and air sealing decrease your energy use, save you money, and increase your home's comfort year round, keeping you cooler in the summer and warmer in the winter.

You can take advantage of 75-100% off recommended approved insulation in addition to having air leaks sealed in draft areas of your home at no cost. The Sponsors of Mass Save offer incentives that can help you save money, and you may also qualify for a no-cost insulation upgrade or 0% financing through the Mass Save HEAT Loan on eligible upgrades.

<b>Energy Efficiency Provider</b>	Berkshire Gas, Cape Light Compact, Eversource, Liberty, National Grid, Unitil
<b>Insulation Incentive</b>	75-100% off approved insulation with no incentive limit
<b>Example</b>	<b>Project Cost Example:</b> \$3,500 <b>Incentive:</b> \$2,625 <b>Customer Payment:</b> \$875

Learn more about incentives and financing by visiting: [MassSave.com/Insulation](http://MassSave.com/Insulation)

Learn more about heat pump heating and cooling systems as well as available rebates and incentives at [MassSave.com/Saving/Residential-Rebates/Air-Source-Heat-Pumps](http://MassSave.com/Saving/Residential-Rebates/Air-Source-Heat-Pumps)