



FREE

# Energy

▶ SOLUTIONS GUIDE

**Together,  
we're saving  
more than  
money.**



**Lowe's, named  
"Retail Partner of the Year"**



Our energies are focused on a more efficient world.

That's why we're committed to ENERGY STAR. Last year alone, Americans using ENERGY STAR products saved enough energy to power 15 million homes and prevent greenhouse gas emissions equal to that produced by 14 million cars. Total energy dollar savings nationwide: \$7 billion.

Not only does Lowe's offer a complete selection of ENERGY STAR qualified products; through our partnership with ENERGY STAR, we're also building awareness in communities across the country by sponsoring energy-efficiency education programs.

As a leading retailer of appliances, lighting and building supplies, Lowe's is playing an important role in creating a cleaner, greener, more efficient world. So if you're ready to join the effort to save more energy – and money – you've come to the right place.

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# Why choose ENERCO



ENERGY STAR is the government-backed national symbol for superior energy efficiency. Products that have earned the ENERGY STAR label – such as lighting, appliances and windows – have met strict energy-efficiency standards set by the U.S. Environmental Protection Agency (EPA) and Department of Energy (DOE). So when you choose an ENERGY STAR qualified product, you know you're going to save energy and money – without sacrificing quality and comfort. It's a smart way to do your part for the planet.

## Let ENERGY STAR shine in your home.

-  Reduce your energy bills by up to \$420 annually.
-  Better long term product values.
-  Available in current styles with the latest features.
-  Help reduce air pollution and improve the environment.



**PARTNER OF THE YEAR 2003**

Together, we're saving more than money.

We're proud to have been selected by the EPA and DOE for this national honor, which is awarded for outstanding efforts in promoting ENERGY STAR qualified products and reducing greenhouse gas emissions. (Lowe's also earned ENERGY STAR Special Recognition in 2002.)











## Lowe's 2003 Goal

Our goal for 2003 is to sell 20% more ENERGY STAR qualified products than were sold in 2002. By meeting this goal, Lowe's will eliminate the equivalent of 1.1 million tons of greenhouse gases from the environment and save consumers more than \$540 million in reduced utility expenses over the life of these products.

# ENERGY STAR<sup>®</sup> qualified products?



ENERGY STAR Qualified Products Available at Lowe's.

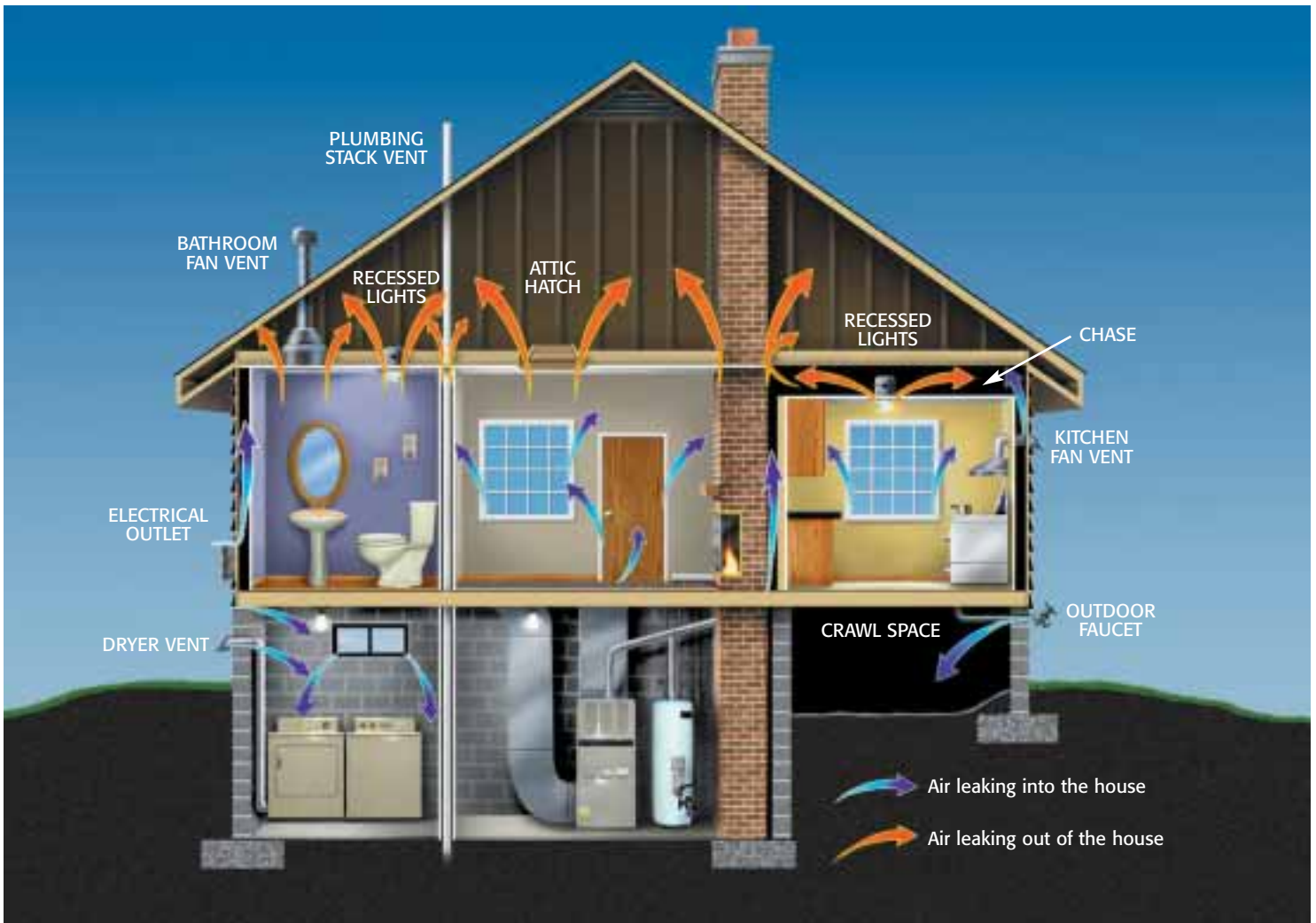
Product		ENERGY STAR Product Benefits	Your Savings*
	<b>Ceiling Fans</b>	<ul style="list-style-type: none"> <li>• Circulate air up to 20% more efficiently than conventional models.</li> <li>• Available with ENERGY STAR qualified light kits for extra savings.</li> </ul>	<ul style="list-style-type: none"> <li>• Save up to \$25 each year on energy bill by using a ceiling fan and light kit combination.</li> </ul>
	<b>Clothes Washers</b>	<ul style="list-style-type: none"> <li>• Use on average 50% less energy and 40% less water than conventional models.</li> <li>• Save up to 10,000 gallons of water a year—enough to do one year's worth of laundry.</li> <li>• Extract more water from clothes, which reduces drying time.</li> </ul>	<ul style="list-style-type: none"> <li>• Save \$55-\$150 a year in energy and water costs, depending on model.</li> </ul>
	<b>Compact Fluorescent Light Bulbs (CFL)</b>	<ul style="list-style-type: none"> <li>• Use 2/3 less energy than standard incandescent bulbs.</li> <li>• Last up to 10 times longer than standard incandescent bulbs.</li> </ul>	<ul style="list-style-type: none"> <li>• Save at least \$30 in energy costs over the lifetime of the bulb.</li> </ul>
	<b>Dehumidifiers</b>	<ul style="list-style-type: none"> <li>• Uses up to 20% less energy than a standard model.</li> </ul>	<ul style="list-style-type: none"> <li>• Average size (40 pt) saves \$200 over the lifetime of the unit.</li> </ul>
	<b>Dishwashers</b>	<ul style="list-style-type: none"> <li>• Use 25% less energy than non-qualifying models.</li> </ul>	<ul style="list-style-type: none"> <li>• Save \$25-\$50 a year in energy costs.</li> </ul>
	<b>Light Fixtures</b>	<ul style="list-style-type: none"> <li>• Use up to 2/3 less energy than standard lighting.</li> <li>• Last up to 7 years.</li> </ul>	<ul style="list-style-type: none"> <li>• Two ceiling-mounted fixtures and one ENERGY STAR qualified torchiere in high-use areas can save about \$50 per year.</li> </ul>
	<b>Programmable Thermostats</b>	<ul style="list-style-type: none"> <li>• Have four temperature settings, allowing you to choose a different temperature for different times of the day.</li> </ul>	<ul style="list-style-type: none"> <li>• Installed and used properly, save about \$100 a year on energy costs.</li> </ul>
	<b>Refrigerators</b>	<ul style="list-style-type: none"> <li>• Use 40% less energy than conventional models sold in 2001.</li> <li>• Reduce energy use with high efficiency compressors, improved insulation, and precise temperature and defrost mechanisms.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace a 10-year-old refrigerator and save between \$30 and \$70 a year, depending on the model.</li> <li>• Use 1/2 the electricity of a 10-year old model.</li> </ul>
	<b>Room Air Conditioners</b>	<ul style="list-style-type: none"> <li>• Use at least 10% less energy than conventional models.</li> <li>• Choose the right size for maximum comfort and energy savings.</li> </ul>	<ul style="list-style-type: none"> <li>• Save up to \$20 a year in energy costs.</li> </ul>
	<b>Windows, Doors and Skylights</b>	<ul style="list-style-type: none"> <li>• Keep your home cooler in summer and warmer in winter.</li> <li>• Low-e coating reduces sun damage and fading, protecting home interiors like curtains, furniture, and photographs.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace older windows with ENERGY STAR qualified products and save up to 15% on your heating and cooling bill.</li> </ul>



# Sealing the



## ENERGY IN YOUR HOME



The average American household spends \$1,400 per year on energy bills – with more than half of that amount going to heating and cooling. Homes also account for 15% of the total energy used in the United States and cause more greenhouse gas emissions than cars. So reducing energy consumption and air pollution literally begins at home.

One of the simplest and most cost-effective ways to achieve these goals is to improve your home's "envelope" – the walls, windows, doors and floors that enclose your home – by sealing air leaks and adding insulation.

**ENERGY STAR HOME SEALING**

IPFA recommends sealing the "envelope" that surrounds your living space:

- the ceiling
- exterior walls
- windows
- doors

ENERGY STAR is a program of the U.S. Environmental Protection Agency and the U.S. Department of Energy.

To save on your heating and cooling bill and increase the comfort of your home:

- Add insulation
- Seal air leaks
- Choose ENERGY STAR qualified windows when replacing windows

[www.energystar.gov](http://www.energystar.gov)

# "Envelope"

## Sealing Those Air Leaks

The biggest leaks are almost always in the attic or basement. Together, they can equal as much airflow as an open window. Look for holes around electrical wires and plumbing. Check for small gaps around doors and window frames, in channels that run between flooring, at the top and bottom of walls, in the floor joist on top of basement walls, and around chimneys and vents. Once your home's envelope has been sealed, you'll enjoy:

- 💡 A home that's more comfortable during winter and summer
- 💡 Improved energy savings, thanks to less in/out airflow
- 💡 Less "noise pollution" from outside your home
- 💡 Better indoor air quality due to less pollen, car exhaust, etc.
- 💡 Less moisture due to proper sealing and venting, which helps prevent mold and mildew growth

**IMPORTANT NOTE:** Be careful not to seal your home too tightly. Although you want to prevent unwanted leaks throughout the house, a certain amount of controlled fresh air is needed to maintain healthy indoor air quality.

To learn more about sealing your home properly, visit [Lowe.com/HomeSealing](http://Lowe.com/HomeSealing).



Item# 47209  
10.1 Oz. Indoor/Outdoor  
Silicone Sealant



## Products from Lowe's

- Rigid foam insulation
- Spray foam (latex and urethane)
- Caulk (high and low temperature)
- Caulk guns
- Rope caulk
- Weatherstripping
- Door sweeps
- Sheet-metal collars for chimneys/flues
- Attic stair covers
- Construction adhesive
- Ventilation ducts
- Plastic storm windows



**Here's  
HOW**

## WEEKEND SOLUTIONS: Using & Applying Caulk

Sealing gaps around window and door frames can really reduce uncomfortable drafts and make your home more energy efficient. Visit Lowe's Energy Solutions Center at [Lowe.com/Energy](http://Lowe.com/Energy) for complete, easy-to-follow guidelines in choosing and using the right caulk to seal a variety of air leaks around your home.

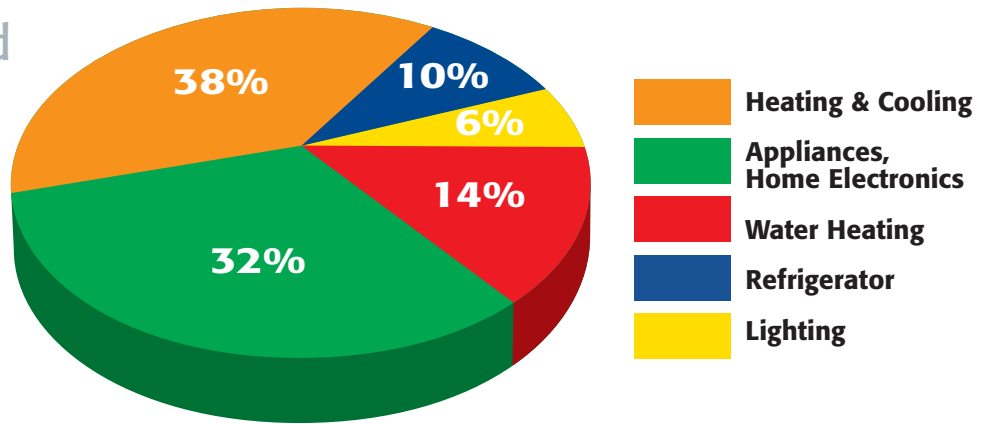


# Saving on He

## ▶ ENERGY IN YOUR HOME

### How Americans Spend Their Energy Dollars.

Heating and cooling costs typically account for about half of a home's total energy bill each year. But with the right improvements, you can cut your home's energy expense by up to 30%, or \$420 – now, and for years to come.



### Add an ENERGY STAR Qualified Programmable Thermostat

An ENERGY STAR qualified programmable thermostat allows four different temperature settings, which lets you choose a different temperature for different times of the day. In the winter, for example, you can program the thermostat to lower the temperature when you leave the house for work, then raise it just before you return home. Clever, huh? And when properly used, it can save you around \$100 per year – enough to pay for the unit in less than one year.

**Features:**

Programmable thermostats allow the user to set a different schedule for different days. The options range from a different schedule every day to one schedule for weekdays and another for weekends. Most thermostats allow you to store multiple daily settings.

**Recommended Setpoint Times and Temperature Settings**

Setting	Time	Temperature (Heat)	Temperature (Cool)
Wake	6 a.m.	70°	78°
Leave	8 a.m.	62°	85°
Return	6 p.m.	70°	78°
Sleep	10 p.m.	62°	82°



Item# 90432  
Auto\$aver™ 7 Day  
Programming with  
Auto Season  
Changeover  
Thermostat



**Here's HOW**

### WEEKEND SOLUTIONS: Install a Programmable Thermostat

Forget all those manual temperature adjustments. Replacing your current thermostat with an ENERGY STAR qualified programmable thermostat is easy (and more efficient). All you need are a screwdriver and wire cutters. Just visit the "How-To Library" at [Lowe.com/energy](http://Lowe.com/energy) and follow the quick, easy steps.

# ating and

# Cooling

## Consider Replacing Old Windows, Doors & Skylights.

Aging and poor-fitting windows and doors are a major source of drafts and leakage, leaving you hot in the summer and cold in the winter. ENERGY STAR qualified models, on the other hand, can save you up to 15% on heating and cooling bills.



ENERGY STAR qualified windows, for example, are *twice as efficient* as the typical windows manufactured just 10 years ago. In addition, ENERGY STAR qualified windows have special UV-protective coatings that guard your curtains, upholstery and carpets from sun damage. And ENERGY STAR qualified windows are available in single- and double-hung, casement, horizontal slider, fixed or picture, and patio slider models.

ENERGY STAR qualified doors and skylights meet the same demanding criteria as well.

## Install ENERGY STAR Qualified Outdoor Lighting.

An ample amount of outdoor lighting is important for security and safety. Well-lighted steps, walkways, driveways and entrances are smart improvements. Lowe's carries a range of ENERGY STAR qualified outdoor security fixtures – including several with motion sensors – as well as ENERGY STAR qualified compact fluorescent light bulbs (CFLs).

Visit [Lowe.com/energy](http://Lowe.com/energy) for simple instructions on installing outdoor lighting.

## Improve or Replace Your Water Heater.



*Insulate your water heater and pipes.* Wrap your water heater with an insulating blanket. (Follow the manufacturer's directions on how to do this.) Also insulate the first five feet of your water heater's piping.



*Flush the sediment.* The buildup of sediment in a water heater tank reduces the heater's efficiency and costs you money. Flush the tank once or twice a year by opening the tap on the bottom of the tank. Catch the water in a 5-gallon bucket, or connect a hose to the tap and allow the water and sediment to go outside or into a drain.



*Have an Energy Smart™ Water Heater installed.* Lowe's stocks a variety of sizes. Energy Smart electric water heaters reduce standby heat loss by up to 30%. Refer to the yellow EnergyGuide label on the water heaters to choose the model that's best for your family's needs. A Lowe's sales associate will also be glad to help you.

**NOTE:** The Home Safety Council recommends setting your heater at 120 degrees F or below for your family's use. Higher temperatures could result in scalds or burns, especially to children or older adults. Please visit [HomeSafetyCouncil.org](http://HomeSafetyCouncil.org) for more information.



Item# 188415  
Whirlpool Energy Smart™  
Electric Water Heater

- 50 gallon tank capacity
- 24" diameter x 47 3/4" H
- Energy factor 0.95
- Recovery rate 25.3 gph
- Lifetime tank and parts warranty



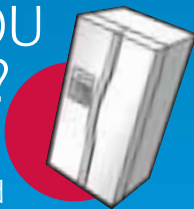
▶ ENERGY STAR SOLUTIONS



Your kitchen uses more energy than any other room in your home – up to 20% of your total energy consumption. So if you can't take the cost, get out of those old appliances and lighting fixtures and get into ENERGY STAR.



## DID YOU KNOW?



An ENERGY STAR qualified refrigerator saves enough energy to make over 3,000 ice cubes a year.

An ENERGY STAR qualified dishwasher saves enough energy per year to brew almost 9,000 cups of coffee.



## Refrigerators: The Chilling Facts

If your refrigerator was manufactured before 1990, then it uses more energy than any other major appliance in your home (except for an old clothes washer). Compare it to an ENERGY STAR qualified refrigerator, which uses less electricity per year than a 75-watt light bulb left on all year. Replacing a 10-year-old refrigerator with an ENERGY STAR qualified model can cut your electricity bill by \$30 to \$70 a year, depending on the model.

## Dishwashers: A Gentler Billing Cycle

Same story here. Dishwashers that are more than 10 years old are energy and water hogs. Replacing an aging dishwasher with an ENERGY STAR qualified model could save you \$30 or more per year in energy and water costs. Plus, there's an added benefit; ENERGY STAR qualified dishwashers have their own internal water heaters, allowing you to lower the temperature of your home's full-size water heater from 140 degrees F to a safer and less costly 120 degrees.



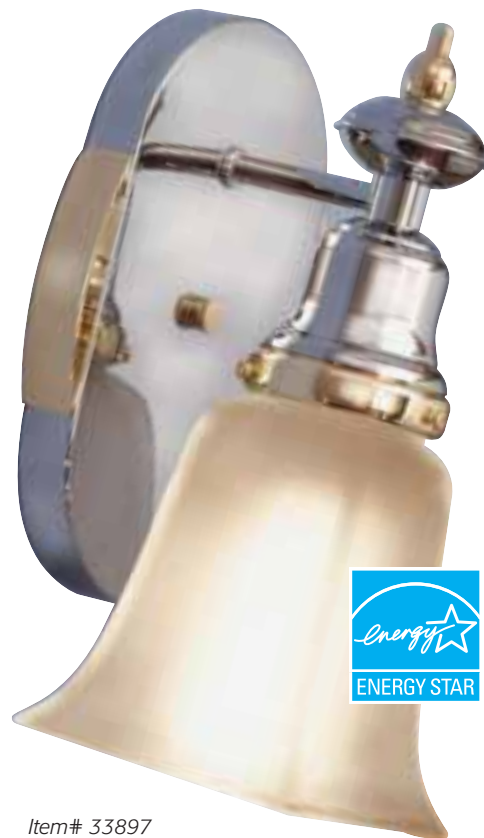
# Laundry

## Lighting: Watts for Dinner?

It's true. Lighting is the second-biggest user of electricity in the typical American kitchen. And now there's a simple way to improve your lighting and dramatically lower your cost: the ENERGY STAR qualified compact fluorescent light bulb (CFL).

CFLs come in all shapes and sizes – from the familiar "A-line" look of incandescent bulbs to circular and tubular styles. And most will fit your existing fixtures. CFLs produce a soft, warm light that's great for kitchen tasks. Yes, CFL bulbs do cost more, but they can save you enough money before burning out to pay for themselves twice over. In fact, each CFL can save you *\$30 to \$50 in energy costs* versus an incandescent bulb. Multiply these savings by the number of lights in your kitchen and you could pocket some sizeable savings.

Lowe's carries a complete selection of ENERGY STAR qualified light fixtures as well, including wall-mount and ceiling models. These fixtures distribute light more evenly than standard incandescent models. And they're available in the latest styles.







Item# 33897  
Portfolio Lighting 1-Light Vanity Bar  
• Chrome/bright brass finish  
• Frosted glass shade  
• Uses 1, 13-watt energy saving bulb

## The Laundry Room: Lightening the Load

If you have an older-model clothes washer, it's taking you to the cleaners. An ENERGY STAR qualified clothes washer uses up to 68% less water and up to 67% less energy than a conventional washer. Plus, an ENERGY STAR qualified washer:



-  Is gentler on your clothes because there's no central agitator. Clothes are tossed and tumbled rather than rubbed back and forth.
-  Allows you to wash delicates – and even many "dry-clean only" items – safely.
-  Gives you more room for bulky items such as blankets and bedspreads, since there's no central agitator taking up space.
-  Operates more quietly than a conventional clothes washer.



ENERGY STAR qualified clothes washers are available in front- and top-loading models, and many include matching side-by-side or stackable dryers that fit just about anywhere. Ask your Lowe's sales associate to give you a tour.

*Whirlpool Duet™ Super Capacity Washer*  
No front-loading washer is more energy efficient. The Duet™ uses 68% less water and 67% less energy than conventional washers, saving you up to \$120 every year without any compromise in performance!



## DID YOU KNOW?

An ENERGY STAR qualified clothes washer saves as much water in 1 year as a person drinks in a lifetime.

# Living Room

## ▶ ENERGY STAR SOLUTIONS

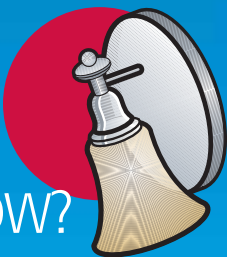


When we're home, we spend most of our waking hours in the living room, family room or den – which means we use a lot of energy there. So it makes good sense (and can save lots of dollars) to improve the overall energy efficiency in these areas of the house.

### Changing your light can brighten your outlook.

The average American home has 30 light bulbs, indoors and out, which can account for up to 10% of the home's total energy bill. A simple way to save energy is to change the lights that are used the most to compact fluorescent light bulbs (CFLs) and fixtures.

### DID YOU KNOW?



If only one room in every home used ENERGY STAR qualified lighting, *one trillion pounds* of greenhouse gases would be prevented – because less power would need to be generated.

CFL fixtures that have earned the ENERGY STAR label use 2/3 less energy than incandescent lighting. And they come in a wide choice of designs to match any décor, from traditional to modern, and in styles that include table lamps, torchieres, wall sconces, ceiling-mounted fixtures, hanging pendants and more. ENERGY STAR qualified CFL fixtures also distribute light more efficiently and evenly than standard fixtures, making them ideal for activities such as reading or dining.

If you're not ready to change your light fixtures, then it still pays to change their bulbs. Many ENERGY STAR qualified CFLs will fit standard light fixtures and lamps, and Lowe's carries a variety of shapes and sizes that let you find the right fit. CFLs produce a warm, inviting light – while saving you up to \$6 a year for every 75-watt incandescent bulb you replace. And a CFL bulb lasts *more than 6,000 hours*...which is especially great for those hard-to-reach areas. So even though CFLs cost more to buy, they'll cost you much less in the long run.

# & Family Room

## Ceiling fans that can turn the tide.

ENERGY STAR qualified ceiling fans circulate air up to 20% more efficiently than conventional models, so you move more air while using less electricity. In summer, setting the fan to turn clockwise will keep air moving throughout the room. In winter, the counter-clockwise setting (and a low speed) will pull warm air back down from the ceiling. As a result of the increased comfort level, you'll be able to keep your thermostat at a higher setting in summer and a lower one in winter, which saves even more energy and money.

In addition, a ceiling fan that uses an ENERGY STAR qualified light kit can further improve your energy savings by about 50%.



**Item # 53606**  
**Harbor Breeze**  
**52" Builder's Best**  
**Dual-Mount**  
**Ceiling Fan**  
 • Antique brass finish  
 • Lifetime warranty  
 • Energy Star® rated



## Meet the ultimate room air conditioners.

If you don't have central air but want to stay cool, ENERGY STAR qualified room air conditioners exceed federal standards for energy efficiency by at least 10% – and have the highest energy efficient rating (EER) available. Replacing a 10-year-old unit with a new ENERGY STAR qualified model can save you up to \$20 a year on your electricity bill.

And ENERGY STAR qualified air conditioners are quieter than conventional ones (a feature that anyone who's owned a room air conditioner can appreciate).

The key to selecting a room air conditioner is to choose the right capacity for the room you want to cool. An oversized unit cools a room quickly but doesn't run long enough to remove all the humidity, leaving the room damp and clammy – not to mention wasting energy. The table you see here shows which cooling capacity is best for each room size.

**Item# 75442**  
**Goldstar 7,800 BTU**  
**Air Conditioner**  
 • ENERGY STAR®  
 qualified  
 • 10.7 energy  
 efficiency rating  
 • 3 speeds  
 • 115 volts  
 (8M003ER)



Area To Cool (sq. ft)	Capacity (BTU/HR)
100 to 150	5,000
150 to 250	6,000
250 to 300	7,000
300 to 350	8,000
350 to 400	9,000
300 to 450	10,000
450 to 550	12,000
550 to 700	14,000
700 to 1000	18,000
1000 to 1200	21,000
1200 to 1400	23,000
1400 to 1500	24,000



## DID YOU KNOW?

The energy you save each year by purchasing an ENERGY STAR qualified room air conditioner (instead of a standard model) could run a laptop computer nonstop for nearly two months.

# Online



## ENERGY STAR SOLUTIONS

Want to learn more about saving energy?  
Plug into the answers at [Lowes.com/energy](http://Lowes.com/energy).

Our comprehensive energy-solutions database gives you 24-hour access to money-saving facts and features, printable How-To Guides and the latest ENERGY STAR qualified products. So you can lower your energy consumption, enhance the comfort and value of your home – and in the process, do your part for the planet.

[Lowes.com/EnergyStar](http://Lowes.com/EnergyStar) (Order products online)

[Lowes.com/EnergyStarProducts](http://Lowes.com/EnergyStarProducts) (Get information on benefits and savings)

[Lowes.com/SignMeUp](http://Lowes.com/SignMeUp) (Receive an ENERGY STAR newsletter)

[Lowes.com/HomeSealing](http://Lowes.com/HomeSealing) (Improve your home's "envelope")

Some additional resources:

[www.EnergyStar.gov](http://www.EnergyStar.gov) 888-STAR-YES (888-782-7937)

(For fact sheets, retail links, tips and more.)

[www.EnergySavers.gov](http://www.EnergySavers.gov)

(For U.S. Department of Energy tips)

800-DOE-EREC (800-363-3732)

(For a free copy of the *Energy Saver Virtual Home* CD)



## More Energy Saving Tips



### Window Treatments

Add shades, drapes, blinds or window film to reduce summer heat gain and winter heat loss from windows.



### Air Filters

The four types of 1" residential filters are fiberglass, washable, non-electrostatic pleated and electrostatic pleated – all of which can keep dust from accumulating on the heating and cooling coils. Electrostatically charged filters are the best at helping your system operate at peak efficiency as well as removing dust, pollen, pet dander and smoke. Lowe's stocks a full line of Filtrete electrostatically charged filters from 3M.



### Garage Door Insulation

It's the largest door in your home, and even though your garage probably isn't heated or cooled, air infiltration and heat-and-cold transfer at the garage door can make a difference in your home's energy efficiency. Lowe's carries an excellent selection of insulated garage doors in a variety of styles.



### Energy Efficient Landscaping

The outside of your home can directly affect energy use and comfort on the inside. Planting shade trees in key areas around your house is a natural way to lower energy bills. One well-placed tree can cut your annual cooling costs by up to 25%.

**LOWE'S**  
Improving Home Improvement®

Approved by Lowe's



REORDER #30085