

increased energy efficiency wind stronger economy reduced demand of electricity solar

Whole House Energy Saving Tips

New Jersey's Clean Energy Program™

Learn ways you and your family can reduce energy consumption, cut carbon emissions, and save throughout your whole house!

LIVING ROOM: Find out how to reduce energy costs, and about NJ's CleanPower Choice ProgramSM.

KITCHEN: Use tips and tools to make your kitchen more safe and efficient.

BATHROOM: Read information about home energy efficiency and reducing water and electric bills.

BEDROOM: See how to save on cooling and lighting costs throughout the house.

HOME OFFICE: How clean is your electricity? How much energy are you wasting? Find out today.

BASEMENT: Improve your hot water system and furnace with help from NJCEP programs.

ATTIC: Discover ways to improve your home while reducing energy costs.

OUTDOORS: Learn about NJ's Home Performance with ENERGY STAR® and reducing A/C costs.

Install a solar electric system in your home with financial incentives from NJCEP's CORE Program. Looking for other ways to support electricity generated from clean, renewable sources? Check out the NJ CleanPower Choice Program. There's nothing to install and no extra checks to write.











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New Jersey's Whole House Energy Saving Tips

LIVING ROOM

-  1 - The average U.S. home has 2 TVs, a VCR, a DVD player, and 3 phones. Replacing all of these with ENERGY STAR® qualified models would reduce greenhouse gas emissions by more than 25 billion pounds, which is the equivalent of taking 3 million cars off the road for a year.
-  2 - A new ENERGY STAR® DVD player uses 30% less energy.
-  3 - Close the chimney flue damper when you are not using your fireplace to keep warm air from escaping in the winter months. An open damper can let out up to 8% of your heat.
-  4 - A programmable thermostat saves about \$100/year in cooling/heating costs.
-  5 - Make it a habit to turn off lights when leaving a room. It will save energy and your light bulbs will last longer.
-  6 - A ton of CO₂ is emitted when you run an average household for 60 days. To reduce your carbon footprint, sign up for New Jersey CleanPower Choice Program. Just by doing that, you'll be helping to reduce CO₂ emissions in New Jersey by over 10,000 lbs. per year.
-  7 - Circulating cool air with a ceiling fan can provide comfort and help you save on your energy bill.
-  8 - HELP US CHANGE THE WORLD, ONE ENERGY STAR® LIGHT AT A TIME
Get specially discounted ENERGY STAR® qualified lighting at participating New Jersey retailers near you.
 - Use 75% less energy than standard lighting
 - Save \$30 in energy costs over each bulb's lifetimeGo to NJCleanEnergy.com/CAL to find participating retailers and learn more.



KITCHEN

-  1 - Buy locally grown food to cut down on the fuel used to run delivery trucks.
-  2 - NJCleanEnergy.com has great tips about lighting such as putting in dimmer switches to cut energy use.
-  3 - A BPI-accredited contractor, through Home Performance with ENERGY STAR®, will suggest improvements for your home to make it more comfortable, energy efficient, and safe. They'll also check for carbon monoxide safety on fuel-burning appliances, including stoves.
-  4 - Mechanical ventilation provides fresh air exchange to help reduce indoor moisture problems, odor, and pollutants.
-  5 - ENERGY STAR® qualified windows will lower your energy bills. Windows and doors can lose as much as 15% of the total heating energy in a typical home. Replace single pane or leaky windows with energy-efficient models sporting low-e coatings and you'll be cooler in the summer, warmer in the winter, and spending less on energy bills year round.
-  6 - The NJ Home Performance with ENERGY STAR® Program recommends upgrading a dishwasher to a more energy efficient model. Also, you can reduce CO₂ emissions in the atmosphere by 100 lbs. per year by only running full loads.
-  7 - Use the Fridge Calculator at www.NJCleanEnergy.com to check out your appliance's efficiency. Replacing your refrigerator with an ENERGY STAR® qualified model can save between \$80-\$130 a year in energy costs and reduce CO₂ emissions by about 450 lbs. per year.
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New Jersey's Whole House Energy Saving Tips

BATHROOM

- 1 - Remember to always turn off lights when leaving a room.
- 2 - With family members constantly in and out of the bathroom, installing ENERGY STAR® qualified lights, which use two-thirds less energy and last up to 10 times longer, is a great way to keep your electricity costs down. This simple change will reduce carbon dioxide emissions by about 300 lbs. a year.
- 3 - Replace just 5 of your home's most frequently used light fixtures or bulbs with ENERGY STAR® qualified bulbs to save over \$60 a year in energy costs.
- 4 - Repair any faucet leaks. A leaky faucet can waste gallons of water.
- 5 - Install a properly sized ENERGY STAR® qualified ventilation fan to control moisture in the air while you shower or bathe, as well as control mold and mildew growth. Run your fan for 15 minutes after showering.
- 6 - Cover and seal all holes that lead from bathroom plumbing, ductwork, or electrical runs.
- 7 - Turn down the temperature on your water heater to 120 degrees from 150, take short showers instead of baths, and you can realize energy savings close to 16% and reduce CO2 emissions by 550 lbs. per year.
- 8 - A 10-minute shower can use less water than a full bath.
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BEDROOM

- 1 - Get in the habit of turning off the lights when leaving a room.
- 2 - An ENERGY STAR® qualified ceiling fan is 50% more efficient than older models and saves close to \$20 a year on electricity costs. Use it often, instead of the A/C, to further cut costs.
- 3 - Install the right size air conditioner for the room. A properly sized air conditioner will operate more efficiently and dehumidify more effectively. An oversized unit will turn on and off more frequently reducing the unit's life span and will not reduce humidity effectively. Undersized equipment can reduce the efficiency of air distribution and will have to run at maximum power continuously to keep you cool.
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HOME OFFICE

-  **1** - Subscribe to the New Jersey Clean Energy Program Newsletter so you can stay on top of climate change solutions.
-  **2** - Change the settings on your computer to ensure it will go into "sleep mode" when not used for a certain amount of time. While you're answering the door or the phone, your computer will automatically be saving energy.
-  **3** - Use the U.S. EPA's Power Profiler to see how much greenhouse gas emissions your typical electricity use is generating.
-  **4** - Block out harmful rays in the summer by closing the blinds during the day, especially on south-facing and west-facing windows.
-  **5** - Consumer electronic products account for 15% of a home's electricity use. In fact, the energy used to keep display clocks lit and memory chips working accounts for 5% of total domestic energy consumption and over 18 million tons of CO2 emissions. Unplug phone adapters and printers when not in use and turn off the computer when you leave for the day.
-  **6** - Keep furnace filters, registers, baseboard heaters, and radiators clean and unobstructed of furniture and drapes to get the most out of your heating system.
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BASEMENT

-  **1** - Besides saving up to 30% on energy costs with home improvements suggested by a BPI-accredited contractor through HPES, you'll also feel safer knowing the contractor will evaluate your hot water system and check for unsafe carbon monoxide levels in the furnace room.
-  **2** - The washer calculator at NJCleanEnergy.com can show that a new, ENERGY STAR® qualified model uses up to 50% less energy and saves 3,600-6,100 gallons of water a year.
-  **3** - Use your washer, dryer, and dishwasher at off-peak hours, such as early morning or late evening, to reduce the demand on the electric power grid.
-  **4** - Leaking ductwork can decrease the efficiency of your heating and cooling system by 20%. Have leaks sealed and watch your energy bills go down.
-  **5** - Have fuel and gas burning equipment – like water heaters, dryers, and furnaces – professionally checked yearly for proper venting to avoid harmful gases from entering your home.
-  **6** - Under the New Jersey Comfort Partners Program, qualifying residents can get their old water heater insulated and a new thermostat installed, at no cost. Insulating the water heater saves 1,000 lbs. of carbon dioxide a year.
-  **7** - About 15% of an average home bill goes to heating water. Do your laundry in an energy-efficient machine using cold water and save up to \$63 a year in energy costs.
-  **8** - **UP TO \$75 REBATE ON SELECT ENERGY STAR® QUALIFIED CLOTHES WASHERS**
 - \$75 rebate with a Modified Energy Factor (MEF) of 2.2 or higher
 - \$50 rebate with a Modified Energy Factor (MEF) of 2.0 - 2.19. (LIMITED TIME OFFER)
-  **9** - Install a new, energy efficient furnace and receive a rebate from NJCEP's **WARMA** Advantage Program. (Rebates available up to \$400.)









New Jersey's Whole House Energy Saving Tips

ATTIC

-  1 - If just 10% of U.S. households replaced their old heating and cooling equipment with ENERGY STAR® qualified models, and ensured that they were sized and installed properly, we would prevent 30 billion pounds of greenhouse gas emissions.
-  2 - As one of the home-improvement initiatives recommended through the NJ Home Performance with ENERGY STAR®, added insulation in the attic and basement will save on energy needed to heat and cool your home.
-  3 - The average household spends about \$2,100 on home energy costs with heating and cooling costs accounting for almost half.
-  4 - The Thermo Calculator at NJCleanEnergy.com can determine how much energy and money you could save with a programmable thermostat.
-  5 - During the winter months, replace your screens with storm windows to provide an extra barrier to the cold, outside air. Caulk and weatherstrip around windows and door frames that leak air. If replacing windows, choose ENERGY STAR® qualified models designed for your area and save \$20 - \$95 each year in energy costs. With proper installation to ensure all gaps are sealed around them, ENERGY STAR® qualified windows can help improve your comfort, cut drafts, and reduce fading of interior furnishings.
-  6 - Installing insulation with higher R-value levels helps keep warm air in during the winter, and outside in the summer.



OUTDOORS

-  1 - Cleaning the filter in your A/C monthly ensures it continues to run efficiently and helps avoid damage to the unit. Using fans to supplement your A/C use will allow you to raise the thermostat temperature while still keeping cool and using less energy.
-  2 - Plant trees or shrubs to shade A/C units but be careful not to block the unit's airflow. A unit operating in the shade uses as much as 10% less electricity than one that is located directly in the sun.
-  3 - An in-home energy assessment, done by a BPI-accredited contractor through New Jersey's Home Performance with ENERGY STAR® program, recommends insulation upgrades and sealing the air leaks around windows, doors, and throughout your home to save up to 25% in energy costs. Proper insulation in walls, attics, and ceilings also reduces CO2 emissions by 2,000 lbs. a year.
-  4 - When looking to buy a new house, consider a certified New Jersey ENERGY STAR® home, which is at least 15% more energy efficient.
-  5 - Install a qualifying central A/C and receive a rebate from NJCEP's COOLAdvantage Program. (Rebates available up to \$400.) Cleaning the air filters on the A/C and furnace can reduce annual carbon dioxide emissions by 350 lbs.
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