



# The Top 10 Ways to Improve Your Energy Efficiency

## 1. Upgrade your gas furnaces AFUE efficiency.

What is AFUE efficiency?

Annual Fuel Utilization Efficiency. Indicated as a percentage, your furnaces AFUE tells you how much energy is being converted to heat. For example, an AFUE of 90 means that 90% of the fuel is being used to warm your home, while the other 10% escapes as exhaust with the combustion gases.

## 2. Upgrade your air conditioner or heat pump to a higher SEER rating.

What is a SEER rating?

The Seasonal Energy Efficiency Ratio is a measure of the cooling efficiency of your air conditioner or heat pump. The higher the SEER number, the more efficient the system is at converting electricity into cooling power.

## 3. Upgrade your heat pump to a higher HSPF number.

What is a HSPF number?

The Heating Seasonal Performance Factor is a measure of the heating efficiency of a heat pump. The higher the HSPF number, the more efficiently the heat pump heats your home.

## 4. Install equipment with a variable speed fan motor.

A variable speed fan can help improve your SEER number. The variable speed fan motor operates on its lowest speed 90% of the time, costing approximately \$14 a year to use while running in its continuous fan mode.

## 5. 410-A Refrigerant

If you are considering upgrading your air conditioner or heat pump, keep in mind that 410-A Refrigerant-based products offer several homeowner benefits, including:

- Energy Efficiency – Most of the 410-A Refrigerant air conditioners and heat pumps offer higher efficiency ratings. 410-A Refrigerant's heat-transfer properties lend themselves to higher-efficiency performance.
- Future Cost Of Service Savings – Because of U.S. government restrictions on future production, refrigerants with ozone-harming CFCs, the refrigerant used in most of today's heat pumps and air conditioners, will become harder to find and, eventually, more expensive. Upgrading to 410-A Refrigerant now can help you avoid the potential rising cost of servicing most of today's air conditioners and heat pumps.



## 6. Look for the Energy Star Rating Symbol

What does energy star mean?

Energy Star is a government-backed program helping businesses and individuals protect the environment through superior energy efficiency. Products with the Energy Star rating will be efficient and save cost on energy bills.

## 7. Upgrade your thermostat to an Energy Star rated programmable thermostat

The Energy Star logo indicates this thermostat is designed to significantly improve heating and cooling comfort levels while reducing the cost to heat and cool indoor air space.

## 8. Add a humidifier

Turn your central heating and cooling system into a whole-house humidifying system.

Energy Savings: Most homeowners turn up the thermostat because they feel cold. A Whole-House Humidifier allows you to feel warmer at lower thermostat settings, saving up to 4% on your heating bill for every degree you lower your thermostat, according to the EPA.

## 9. Improve the air quality in your home

Upgrade your current filtration system to a more efficient system or use a more effective media filter.

**Duct clean** your system with the HEPA-AIRE Portable Power Vacuum (PPV) system. It's the most portable, lightweight and maneuverable high-performance units available making it possible for us to perform "within the home" source removal duct cleaning in all types of structures. The PPV system offers exceptional flexibility and portability needed to access and clean air handling systems on the first floor or the third floor. The HEPA-filtered system has the power needed to place large sections of an air distribution system under negative pressure to collect debris and contaminants from the ducts. This powerful unit provides three-stages of filtration with a 99.97% HEPA final filter at .3 microns.

## 10. Schedule regular routine maintenance on your current equipment

To ensure the efficiency of your heating and cooling system, manufacturers suggest that the units be serviced twice a year. This would include having your filter changed and the condenser coil cleaned if necessary.

What is the Condenser Coil? Part of the outdoor portion of a split-system air conditioner or heat pump. By converting refrigerant that is in a gas form back to a liquid, the coil sends heat carried by the refrigerant to the outside.