



HARTMAN

HEATING & AIR CONDITIONING

COMMERCIAL & RESIDENTIAL

Wasatch Front (801) 264-8300 • Park City (435) 615-1857

24 HOUR
EMERGENCY
Service

Serving the "HART" of Your Home and Business



Going Green with Hartman Heating

A FEW SUGGESTIONS TO SAVE ENERGY AND MONEY

On average, you will pay \$1,900 annually for your home's energy and half of that energy use goes to heating and cooling. At that figure, it makes sense to go green with the system you use. The Environmental Protection Agency offers advice on the transition to energy-efficient equipment, which will not only save you money, it will keep your home healthy and comfortable year-round and help you contribute to a cleaner environment.

Consider replacing your old heating and cooling system or improving your existing system if you have a problem with humidity, rooms that are too hot or too cold, a noisy system, frequent repairs, or rising energy bills. If your heat pump, air conditioner, furnace or boiler is more than 12 years old, consider replacing them with newer, more efficient equipment.

PROPER MAINTENANCE WILL PREVENT FUTURE PROBLEMS

Dirt and neglect are the leading causes of heating and cooling system failure. Keep your systems in tip top shape and operating at peak performance by calling Hartman Heating to do a tune-up on your air conditioner in the spring and your heating system in the fall and remember to change your air filters regularly.



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Enhance the efficiency of your HOME enhance the quality of your life

AIR CONDITIONER EFFICIENCY



The Seasonal Energy Efficiency Ratio (SEER) is used to rate the efficiency of air conditioners. It will tell you how much electricity your unit will consume during the cooling season. The higher the SEER rating, the more energy-efficient your air conditioner is. Older units were typically rated an 8, but with technological advances, units today have to reach the standard 13 and can be rated even as high as 23. On average, an

increase by only one saves 10% more, so a SEER rating of 13 is 30% more efficient than a 10 rating. When you purchase a system with an even higher rating, your energy—and money—savings are quite substantial! SEER ratings are similar to miles per gallon!

1. SINGLE SPEED AIR CONDITIONER

Single speed air conditioners produce the same amount of heat removal regardless of the temperature. Since single speed air conditioners are designed to cool you on the hottest days, they work much harder than needed on moderate days. Single speeds come in 13, 14, or 15 SEER ratings.

2. TWO SPEED AND TWO STAGE AIR CONDITIONERS

Two speed air conditioners adjust according to the temperature. They can increase or decrease the amount of cooling capacity when the outside temperature gets hotter or cooler. Two speed unit SEER ratings range from 16 to 20+.

FURNACE EFFICIENCY

Your home's furnace keeps your family warm and comfortable all winter long. It also works with your air conditioner to cool your home in the summer. During those cold months, you're likely to see your heating bills rise, but depending on what kind of furnace you have, you could be paying less. Older furnaces are typically 60% efficient, some on the market today have reached 96%. This means that 96% of the fuel you pay for in your monthly bills is actually converted into heat to warm your home. With higher efficiency, you'll not only save energy and positively affect the environment, you're also sure to see your heating bills go down.



1. TRADITIONAL FURNACE

The traditional furnace is designed to turn on and run at full capacity regardless of the outside temperature. They only run at one level—high—and shut off when heating demand in your home has been met. This not only uses an unnecessary amount of energy to heat your home on mild winter days, but also creates fluctuation in your home's temperature at the cost of your comfort.

2. TWO-STAGE FURNACE

The two-stage furnace is designed to run at two levels. In the first stage, it turns on and runs at about 60% capacity, which is sufficient for those mild winter days. When extreme temperatures come around, the furnace meets the extra demand by kicking in to the second stage of the heating cycle, running at full capacity. This helps save money and energy along with keeping your home cozier with a consistent temperature.

3. VARIABLE SPEED FURNACE

The variable speed furnace is the most efficient way to heat your home. The motor speed adjusts up or down according to your home's heating demands and delivers a steady, reliable stream of warm air at lower speeds. This not only saves the most energy and money than any other furnace on the market, it also helps control humidity levels and is the quietest furnace available.



Just like your car needs regular oil changes, tire rotations and engine checks, your heating and cooling systems demand the same level of care. Regular maintenance will extend the life of your equipment, keep it running at optimal performance and efficiency, and protect your home and family from costly breakdowns.

If you have not joined our energy saving preventative maintenance plan, please call now to get on our client list. We will take care of the scheduling and maintenance to keep your heating and cooling system operating at its maximum efficiency!

HEATING and COOLING SYSTEM and



HYBRID HEAT PUMP

The Hybrid Heat Pump combines two heating sources to warm your home during cold, winter months, along with cooling your home in the hot summer months. The cost to heat your home with a Hybrid Heat Pump is less than with only a gas furnace because it allows you to choose the most economical fuel for heating. As the outside temperature changes, the system

automatically switches from gas heat to electric heat pump. Simply set your desired comfort level, come winter or summer, and the Hybrid Heat Pump will do the rest!

HEAT PUMP BALANCE POINT

If we have installed a hybrid heat pump system in your home or building, the current Economic Balance Point is 35°, based on the current utility rates for electricity and gas.

AIR CLEANERS

Pollutants affect the air quality inside your home and can lead to health problems and irritation of existing conditions. You can keep the air your family breathes every day cleaner with any one of a variety of air cleaning systems, from standard filters to fully integrated air filtration systems. Poor air filtration reduces your systems efficiency! Purchase an air cleaner for your home and make a significant difference in your indoor air quality today.



GENERATORS

Generators provide dependable energy in case of unexpected power outages. When the power goes out, so do your heating and cooling systems, which can be dangerous and unhealthy in extreme temperatures. Generators offer safe, reliable,

back-up power and give you peace of mind from being left without heat or A/C during cold winter months and hot summer days.

HOT WATER CIRCULATING SYSTEM

Before you jump in the shower, do you let the water run for a couple minutes until it's warm? This common practice can send up to 10,000 gallons of unused water down your drain every year. Hot Water Circulating Systems are designed to circulate hot water through the hot water piping so that the first drop that comes out is always hot. This is made possible by continuous circulation. Save water, increase your hot water capacity, and enjoy the convenience of warm water, all the time!



HUMIDIFIERS

Utah homes need a humidifier for comfort control, health and energy savings. Humidifiers can increase warmth, reduce sinus infection, static shock, soothe dry skin, protect wood and other furnishings from cracking, and help you save energy by setting your thermostat 2 – 4 degrees lower while feeling the same comfort level.

SOLAR HEATING

With the 30% Federal Tax Credits and other state and utility incentives, now is the time for you to harness the sun for your share of free energy! You can reduce or eliminate your hot water and heating energy costs with a solar heating system. Solar water heaters save money, reduce carbon emissions, and lower our dependence on imported energy.



PHOTOVOLTAIC SOLAR ATTIC EXHAUST FAN

The Solar Attic Exhaust Fan is the most technologically advanced and energy-efficient ventilation system available today. Once installed, it costs you nothing to operate as it uses the sun's energy to circulate air and ventilate your attic space. Hot attics

act like giant radiators and cause your air conditioner to run longer and harder, but the Solar Attic Exhaust Fan increases ventilation and circulation while increasing the efficiency of your air conditioner and the comfort in your home. You can convert your existing attic vent into a solar-powered vent. Gable vents, whirlybirds, dormer vents and powered vents are just a few that are great for converting.



The Stimulus Bill

AND WHAT IT MEANS FOR THE HEATING AND COOLING INDUSTRY

Have you been considering replacing your furnace or air conditioner lately, but just don't have the means of making that kind of investment? Well, it just got a lot less expensive to update your home's heating and cooling system. On February 17, President Barack Obama signed into law The American Recovery and Reinvestment Act of 2009, also known as the stimulus bill. There are many significant changes to the tax credits for energy efficient home improvements that will affect us for the better. With the new stimulus package, you can save 30% on that new furnace or air conditioner that you've been needing—up from only a 10% tax credit. The maximum credit went from \$500 to \$1,500. That's triple what it used to be!

QUESTAR GAS ALSO OFFERING INCENTIVES

Questar Gas is offering a \$300 cash rebate for the purchase and installation of high-efficiency gas furnaces and other appliances for your home. This equipment would reduce your energy usage and result in a significant decrease in your monthly bill, saving you even more money in the long run.

GETTING THE MOST FOR YOUR MONEY

Now is the time to invest in that new furnace or air conditioner you've been talking about. The federal tax credits provided under the stimulus bill combined with Questar's rebate will give you an up-front total of \$1,800 in savings, not to mention what you will save on your monthly bills with a more energy-efficient system. Now that's worth investing in!

With the available rebates, your out-of-pocket purchase investment of a 95% efficient furnace is less than the cost of a standard 80% efficient furnace. And with the energy saved, the entire investment is paid back in just three years – in other words, in just three years the furnace replacement is free and for the remaining life of the furnace (17+ years) you'll save over \$6,000 while helping save our planet and our energy, and reducing your carbon footprint.

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VISIT OUR SHOWROOM!

120 EAST VINE STREET, MURRAY, UT 84107

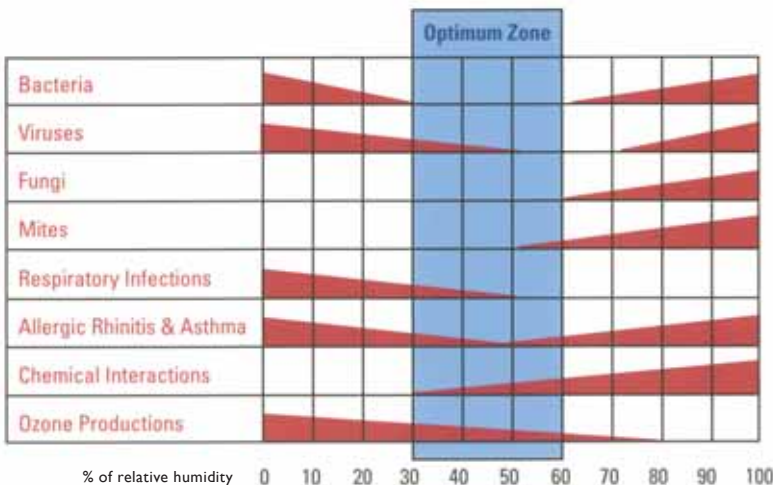
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Is your refrigerator running a lot?
 If so, the condenser coil most likely needs cleaning.

RECEIVE A FREE REFRIGERATOR CONDENSER CLEANING WHEN YOU INVEST IN A NEW HEATING OR COOLING UNIT.

“EVERY UTAH HOME NEEDS HUMIDITY CONTROL FOR COMFORT, HEALTH AND ENERGY SAVINGS.”

Optimum relative humidity range to minimize harmful contaminants*
 Most Utah homes run at about 12% humidity in the winter months.



Optimum Relative Humidity Range = 30% to 50%

*ASHRAE: American Society of Heating, Refrigeration & Air Conditioning Engineers

Duct Cleaning Does More Than Just Clean the Air

Dirty duct systems are a major cause of poor indoor air quality (IAQ). Every time you run your heating and cooling systems, airborne contaminants are pulled into the ducts and, in time, build up inside. Dirty duct systems lower the life of your heating and cooling systems, and the resulting poor IAQ is related to short- and long-term health issues. Call or ask our technician to schedule duct cleaning today!

Duct Leaks – Leaks in your duct system can reduce your system's efficiency up to 20%. Be sure to seal any leaks and insulate the ducts in attics and crawl spaces to improve your system's overall performance and your home's comfort and IAQ. While we are at your home ask our technician to evaluate your needs for duct sealing, insulation or improvements.



The average home emits almost twice as much greenhouse gas emissions as the average car so help spread the word...

ENERGY EFFICIENCY IS GOOD FOR YOUR HOME, GOOD FOR YOUR WALLET AND GOOD FOR OUR ENVIRONMENT!