

Direct Energy® Home Energy Audit

Audit Report



Joe Smith
123 Anywhere St
Houston Tx. 77046

Audit Introduction

The Direct Energy® Home Energy Audit Team used the Home Energy Rating System® (HERS®) to evaluate your home's energy efficiency. HERS® is a standardized energy efficiency indexing system that allows homes to be compared with the current building standards. In other words, your home's energy efficiency is compared to itself as if it were built today using current building standards. The EPA's ENERGY STAR® program and The U.S. Department of Energy Building America Program SM each recognize HERS® standards for measuring a home's energy efficiency.

The auditor gathered your home's physical properties, appliance information, energy usage history, performed test (Blower Door and Duct Blaster), and used a home modeling software to produce your home's HERS® score. Along with the HERS® score, you may receive efficiency information concerning your home's:

- Windows
- Walls
- Lighting
- Air Conditioner
- Furnace
- Water Heater
- Attic Insulation
- Duct System
- Air Infiltration
- Appliances

This report includes our recommendations to upgrade your home to today's efficiency building standards. You will also find a breakdown of the estimated costs to make the energy efficiency improvements set forth in our recommendations. Finally, we provide you with a timetable for each improvement showing you the amount of time you will need to recover your investment in making these improvements, with the investment being recovered by your reduced energy usage.

THANK YOU FOR CHOOSING DIRECT ENERGY!!

Please note that this Audit Report is subject to the Terms and Conditions of your invoice.

¹ © 2008 Direct Energy Marketing Limited, a subsidiary of Centrica plc. Direct Energy® and the Lightning Bolt design are either registered trademarks or trademarks of Direct Energy Marketing Limited in the United States and/or Canada. Use of such trademarks has been licensed by Direct Energy Marketing Limited to its various subsidiaries and affiliates. In Texas, our subsidiary is Direct Energy, LP (PUCT License No. 10040).

² Home Energy Rating System® and HERS® are registered service marks of Residential Energy Services, Inc., a non-profit corporation.

³ Energy Star® is a registered trademark of the U.S. Environmental Protection Agency. Energy Building America ProgramSM is a service mark of the U.S. Department

Home Profile

Type: Single Family Home
 Orientation: North
 Square Footage: 3600 square ft.

Number of Floors: 2
 Number of Bedrooms: 5
 Foundation Type: Slab

Your Home's Estimated Annual Energy Cost, Usage, and Carbon Footprint

	Estimated Annually For Your Home, As Is	Potential With Implementing Recommended Improvements
Annual Energy Cost	\$4,060	\$3,252
Electricity Usage	24210 kWh	16646 kWh
Natural Gas Usage	770 CCF	828 CCF
Heating Cost	\$898	\$947
Cooling Cost	\$1,379	\$725
Water Heater Cost	\$206	\$206
Lights & Appliances Cost	\$1,390	\$1,162
Service Charge	\$186	\$186
Carbon Footprint	12227 lbs per year	9379 lbs per year

The table above provides an estimated cost and usage of your home's current and potential energy consumption. The information is calculated by our home energy audit software that utilizes the information gathered during the physical audit of your home. For determining the estimated annual figures for your home, we have used the commodity rates for electricity (per kWh) and natural gas (per CCF) from recent bills you have provided us. The software uses basic assumptions of energy usage to calculate the information. For example, the software assumes that your thermostat is set at 78 °F in summer and 68°F in winter.

Findings

The chart below explains what we found when we audited your home. It is an assessment of the key individual items that have an impact on the home's energy performance rating. Each item's efficiency is rated using the following scale from the least to highest efficiency: Low / Below Average / Average / Above Average / High.

Item	Description of Items in Your Home:	Item Energy Efficiency
Flooring	Slab	Average
Wall Insulation	R-13 wall insulation	Average
Ceiling Insulation	R-30 Blown Fiberglass Insulation/ No Insulation on Attic Access	Average/Low
Radiant Barrier	No Radiant Barrier	No
Windows	Single pane with metal framing	Average
Duct System	5 Ton Leakage= 232CFM @25Pa. 3 Ton Leakage=143CFM@25Pa.	Average
Air Infiltration	3568 CFM leakage at 50 Pascals	High
Air Conditioner	Two Amana 12 SEER Air Conditioner	Low
HVAC Tune-up	Two years since the last tune-up	Low
Digital Thermostat	Digital Thermostat	Yes
Water Heater	Two 40 Gallon State Select .62EF gas water heaters	Average
Appliances	Energy Star Appliances	Above Average
Lighting	0 % of the lights are compact fluorescent	Low

HERS® Index

HERS® Index Efficiency Scales for Rated Homes

HERS® Index Range	Current	Potential	Energy Star	New Home	Typical Home
151-200 ★★ ★					
101-150 ★ ★ ★ +	127				130
91-100 ★ ★ ★ ★		97		100	
86-90 ★ ★ ★ ★ +					
71-85 ★ ★ ★ ★ ★			85		

HOW TO READ THE CHART:

HERS® (Home Energy Rating System®) is an indexing system that compares your home's energy efficiencies to current home building standards. A home built to the current standards of the "American Standard Building" would receive an index score of 100. A home using 1% more energy than the current American Standard Building home will increase the HERS® score by one point; while a home using 1% less energy than the current American Standard Building home will decrease the HERS® score by one point. Therefore, the lower the HERS® score, the more energy efficient the home.

KEY TO THE CHART ABOVE:

Current - Your current home's HERS® index score.

Potential - Your home's potential HERS® index score after implementing our recommended improvements.

Energy Star® - For a new home to qualify as Energy Star®, the home must use less than 15% energy than the current American Standard Building home.

New Home - A home built to the current American Standard Building will have a HERS® score of 100.

Typical Home - The average home has a HERS® score of 130 and uses 30% more energy than a home built to the current standards of the American Standard Building.

Recommendations

Our recommendations to you cover major energy efficiency improvements for your home that will have the most impact. We do not account for other possible monetary and nonmonetary benefits to your such as increasing the property value of your home, extending the life of your air conditioner and heater, and an overall increase in home comfort. The only items we address below are those items which received a "Low" or "Below Average" rating. We have also included any specific items you have requested.

Payback less than 10 years	Estimated Cost*	Annual Savings	10 Year Savings**	Payback**
We Recommend: AC Tune Up (2)	\$140	\$201	\$2,528	0.7
We Recommend: Upgrade to Compact Florence Light Bulbs	\$250	\$226	\$2,843	1.1
We Recommend: Seal Your Ventilation Ducts	\$395	\$100	\$1,258	3.7
We Recommend: Radiant Barrier	\$957	\$107	\$1,346	7.6
We Recommend: Attic Tent	\$195	\$19	\$239	8.5
We Recommend:				
Payback More than 10 years	Estimated Cost*	Annual Savings	10 Year Savings**	Payback**
We Recommend: Solar Screens	\$1,410	\$64	\$805	15.2
We Recommend:				
We Recommend:				
We Recommend:				
Future Measures (Replace when equipment fails)			10 Year Savings**	Annual Savings
HVAC- 16 SEER A/C Systems			\$2,402	\$191

DIRECT ENERGY CAN HANDLE MOST OR EVEN ALL OF THE MAJOR IMPROVEMENTS FOR YOU!! JUST ASK OUR REPRESENTATIVE!!

* Estimated Costs represent our price to make these improvements for you or, if we cannot handle that improvement, the estimated price we believe a local contractor would charge you. These estimated prices are good faith estimates based on our considerable energy efficiency experience and know-how. However, your actual cost may vary because a detailed, pre-inspection will be performed before the work starts to try to detect and avoid any costly surprises.

** Payback time Et 10 Year Savings are calculated using recent energy prices you provided to us, and includes a 5% annual energy price increase. These prices may increase or decrease in the future depending on market conditions and changes in your energy usage habits.