

The ENERGY DETECTIVE



*Where
Is Your Home
Losing Money?*

Find out with
The Energy Detective
Call 800-858-5522



Jo-Carroll Energy

Your Touchstone Energy® Cooperative
The power of human connections®



Home Energy Analysis Program

What Is a Home Energy Analysis?

You probably know that upgrading your heating and cooling system and adding more insulation will improve the comfort of your home. But you really need to find out where your home is inefficient before you can make improvements that will make a difference. For better results, you need an integrated “whole-house” approach that looks at your house as a system.

A home analysis is a comprehensive home examination designed to uncover existing conditions within the home that potentially cause homeowners to waste energy and absorb high energy bills.

T*he Energy Detective at Jo-Carroll Energy is here to provide you with several whole-house, low-cost energy analysis options tailored to your needs.*

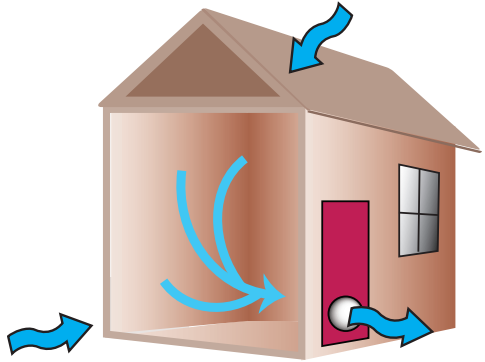
Each energy analysis is conducted by an energy consultant certified with the Building Performance Institute (BPI) as a Building Analyst and Building Envelope Professional as well as certified with FLIR® as a Level 1 Thermographer.



Photo courtesy of Shawn Saunders

How an Energy Audit Works

Our home energy audits involve use of a special diagnostic tool called a blower door. This device tests the air tightness of a home or building by pushing air out through its fan. Air then is pulled into the home or building through leaks, cracks and inefficient seals thus showing you where improvements in efficiency can be made.



Energy Efficiency Loans

Jo-Carroll Energy offers a Residential Energy Efficiency Loan program, available to members who own an existing home served by the cooperative and who receives a monthly electric or natural gas bill.

Applicants must have had service with Jo-Carroll Energy for at least two years and have established a good credit history with the cooperative.

To find out about our current low interest rates, please call 800-858-5522.

Incentives and Tax Credits

Jo-Carroll Energy's incentive program is designed to help members save money while promoting energy efficiency. Incentives are available for EnergyStar appliances and efficient lighting upgrades.

Incentives may be available through other energy providers, also. Consult an energy provider's web site for more detailed information.

Federal tax credits are available for some energy efficiency upgrades to your home. Check www.energystar.gov and consult your tax preparer for the latest information about available tax credits.

Home Energy Analysis – Six Easy Steps

☐ Step One: **Request your Home Energy Analysis.**

Fill out the *Request Form* on the following page and return it to Jo-Carroll Energy or call The Energy Detective at 800-858-5522.

☐ Step Two: **Schedule your analysis.**

Our qualified energy auditor will call you to schedule your energy analysis at a time that is convenient for you. Homeowners must be present during the analysis.

☐ Step Three: **Complete the analysis, and create an action plan on suggested improvements.**

Your analysis will include energy saving recommendations specific to your home. From low cost no cost ideas to larger investments, you can create an action plan that fits your budget.

☐ Step Four: **Make energy saving improvements.**

(Apply for financing if necessary.)

Utilize local, qualified contractors to complete the energy efficiency improvements in your action plan.

Obtain information about financing, incentives and federal tax credits, available through your energy providers or tax preparer.

☐ Step Five: **Complete any required post-installation inspections and apply for rebates.**

Once your work is completed you are ready to apply for incentives (rebates).

Be sure all post verifications and inspections are completed and visit Jo-Carroll Energy's web site, www.jocarroll.com, for incentive information, or call The Energy Detective at 800-858-5522.

☐ Step Six: **Save energy and money with your home's improved energy efficiency!**



Request Form*

- I am interested in ☐ Walk-Through Energy Assessment (FREE)
- ☐ Whole House Energy Audit (\$300)
- ☐ Duct Leakage Testing (\$50)
- ☐ Blueprint Plan Review for IECC Compliance (\$50)
- ☐ New Home IECC Field Inspections and Mandatory Testing with Report and Certificate (\$350)

**Descriptions of each home analysis are explained on the next two pages. An additional fee of \$50 is applied to each analysis for non-members of Jo-Carroll Energy.*

Name: _____

Street Address: _____

City / State / Zip: _____

Jo-Carroll Energy Services: ☐ Electric ☐ Natural Gas

Utility Account Number: _____

Day Phone: (_____) _____ Evening Phone: (_____) _____

Best Time to Contact Me: ☐ Morning ☐ Evening ☐ Anytime

Signature and Release for Energy Data

By signing this waiver, you're allowing Jo-Carroll Energy to provide your utility use information and Home Energy Report (if applicable) to partners with whom they have data confidentiality agreements for the purpose of completing your Home Energy Analysis, as well as for conducting program evaluation.

Signature: _____

Date: _____

Please return to: Jo-Carroll Energy
ATTN: The Energy Detective
793 US Route 20 West, P.O. Box 390
Elizabeth, IL 61028

Or Call: 800-858-5522

Your Home Analysis Options

There are several types of House Analyses provided by The Energy Detective from which you can choose:

- **Walk-Through Energy Assessment**
≈1 hour

Member Price: Free
Non-Member Price: \$50

The Walk-Through Energy Assessment is a great analysis for addressing energy usage concerns within your home. It includes reviewing with you the history of your energy use; discussion of your home's history and recent energy efficiency upgrades; and a walk-through observation assessment that allows the energy advisor to gather information, point out possible energy wasters while providing guidance and information about possible upgrades that could be completed to increase the overall energy efficiency of your home.

- **Whole House Energy Audit**
≈4 hours

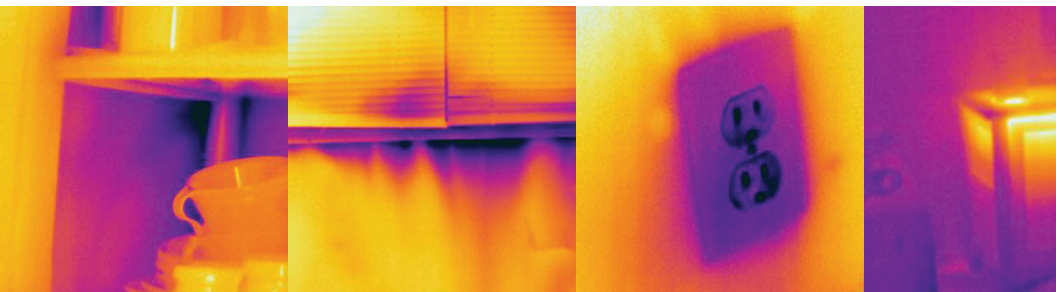
Member Price: \$300
Non-Member Price: \$350

The Whole House Energy Audit includes all the features of a Walk-Through Energy Assessment. In addition, the auditor will perform an in-depth thermal envelope analysis; assess appliances, water heater and HVAC equipment; perform diagnostic testing utilizing a blower door test, infrared camera and other testing equipment; and provide a detailed written report that includes infrared photos, identifies areas of concern and lists energy-saving recommendations specific to your home.

- **Duct Leakage Testing**

Member Price: \$50
Non-Member Price: \$100

HVAC duct work located outside the thermal envelope of the home should be tested to ensure a total leakage of not more than 4 cfm per 100 sq. ft. The use of a duct tester will assist in locating the joins and seams of ducts, air handlers and filter boxes where leakage is occurring and can be sealed through the use of mastic or another duct sealing material.



Your Home Analysis Options, continued

- **Blueprint Plan Review for IECC Compliance**

Member Price: \$50

Non-Member Price: \$100

This is a review of the blueprints for your new home prior to construction to ensure all requirements of the current International Energy Conservation Code (IECC) are met and in compliance with the code.

- **New Home IECC Field Inspections and Mandatory Testing with Report and Certificate**

Member Price: \$350

Non-Member Price: \$400

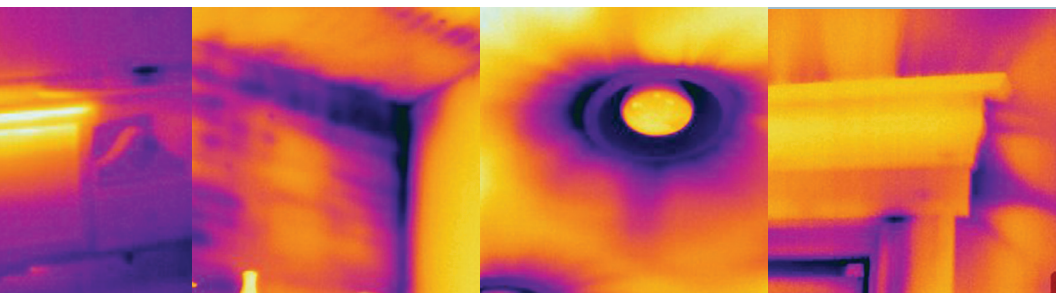
The IECC has a mandatory requirement that new homes be tested for air leakage and duct sealing. A blower door, duct tester and infrared camera are utilized to complete testing and meet the requirement of the current IECC. A written report of results will be provided to building contractor and code official. A certificate will be made available for posting within the home.

JO-CARROLL ENERGY'S COMPREHENSIVE HOME ENERGY ANALYSIS IS PERFORMED TO THE STANDARDS OF THE BUILDING PERFORMANCE INSTITUTE (BPI).

JO-CARROLL ENERGY CERTIFIES THAT THESE STANDARDS WERE APPLIED THROUGHOUT THE ANALYSIS PROCESS AND THAT THE INFORMATION PROVIDED WITHIN AN ANALYSIS REPORT IS SOUND TO THE EXTENT THE HOME COULD BE ASSESSED. ALL RECOMMENDATIONS PROVIDED TO A HOMEOWNER ARE BASED ON THE EXPERIENCED OPINIONS OF THE BUILDING ANALYST AND SCIENTIFIC TESTING.

JO-CARROLL ENERGY DOES NOT GUARANTEE ENERGY SAVINGS THAT COULD RESULT FROM A HOME ENERGY ASSESSMENT. NOR DOES JO-CARROLL ENERGY WARRANTY THE WORK OF CONTRACTORS.

Air movement throughout a home is the leading cause of energy loss and temperature discomfort. These infrared images taken during energy audits and assessments helped homeowners target energy loss in their homes. Do you know where your home is leaking energy and money?





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jocarroll.com

*One of these homeowners is saving money and energy
with the proper amount of attic insulation.*

ARE YOU???

