

Home Performance with ENERGY STAR® Program

Missouri Home Performance with ENERGY STAR Application



ENERGY STAR is a government-backed program that promotes energy savings and environmental conservation through the use of energy-efficient products and services. Whether you replace old appliances, remodel your home or buy a new house, ENERGY STAR can help. For more information, visit www.energystar.gov.

The Home Performance with ENERGY STAR Program offers a comprehensive approach to home improvement, remodeling and renovation that will make your home more efficient, reduce energy costs,



improve indoor air quality and create a more comfortable, healthier home. At the same time, you'll help protect the environment through energy conservation. This is achieved by conducting a comprehensive home assessment and implementing at least one qualifying improvement.

To obtain a list of certified contractors, call (816) 285-4330 or visit www.hpwes.net.

FILED²

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Staff Staff Exhibit No. 102
Case No(s) 68-2008-0355
Date 11-07-09 Rptr AF

Missouri Public
Service Commission



How It Works

1. An assessment of the home's energy use is done by either a certified consultant or contractor chosen by the customer. The Home Energy Assessment is a home energy evaluation that includes observation of lighting and appliances as well as performance testing of the ventilation and mechanical systems, building tightness, and insulation levels that results in a scope of work outlining recommended energy-efficiency improvements.
2. All Home Energy Assessments must be performed by a certified Home Performance with ENERGY STAR contractor or consultant to qualify for a rebate.
3. To qualify for the Home Energy Assessment rebate, the customer must implement at least one qualifying energy-efficiency improvement approved by KCP&L and/or MGE.
4. Improvements must be installed by a contractor to qualify for the rebate. *Some exceptions do apply.* The customer will work with the contractor to complete measures identified in assessment.
5. The customer may qualify for a rebate amount up to \$600 from KCP&L and a separate rebate amount up to \$600 from MGE. The actual amount of the rebate is based on the Home Energy Assessment and the cost of implementing energy-efficiency improvements that are approved by KCP&L and/or MGE. KCP&L and MGE reserve the right to award the rebate in the form of a bill credit.

Qualifying Improvements

KCP&L and MGE will only approve those specific measures that have been recommended by Home Performance with ENERGY STAR certified contractors or consultants in accordance with the Home Energy Assessment. You must implement at least one of the following measures to qualify for the rebate.

Type of Improvement	Requirement	Tax Credits Available
Insulation		
Attic/Ceiling	$\geq R-49^1$	
Walls	$\geq R-13$	
Floor	$\geq R-19$	
Ductwork	$\geq R-13$	
	<i>*The primary purpose of the insulation must be to insulate.</i>	
Windows and Doors		
	ENERGY STAR-qualified and U-Factor ² $\leq .30$ and SHGC ³ $\leq .30$	
Air Sealing		
	Reduce air leakage between indoors and outdoors by 20%	
	Reduce air leakage between ductwork and outdoors by 20%	
	<i>*Your auditor can provide guidance around air leakage measures.</i>	

¹ The **R-value** of insulation is a measure of thermal resistance that indicates resistance to heat flow. The higher the R-value, the greater the insulating effectiveness.

² The **U-factor** of windows and doors refers to the rate at which a window, door or skylight conducts non-solar heat. The lower the U-factor, the more energy efficient the item.

³ The **Solar Heat Gain Coefficient (SHGC)** is a fraction that represents the amount of solar radiation admitted through windows and doors, either directly or indirectly that is released as heat inside a home. The lower the SHGC, the less solar heat it transmittal and the greater the ability of windows and doors to provide shade.

Customer Applicant Information

CUSTOMER INFORMATION

KCP&L Account Number (if applicable)

MGE Account Number (if applicable)

Home Owner _____ (Please print)

Installation Address _____

City _____ State _____ ZIP _____

Date _____

Home Phone _____

Cell Phone _____

E-mail _____

For all qualifying improvements for which a rebate is being requested:

- Scope of work from initial Home Energy Assessment.
- Invoice for the Home Energy Assessment and the installation of energy-efficiency improvements.
- Invoice must include a breakdown of equipment, materials and labor, as applicable.
- The amount paid, consistent with proof of purchase must be attached to this application. The application must be received within 120 days from the date of installation.
- Post-audit summary or proof of installation.

AUDITOR INFORMATION

Company Name _____
(Please print)

Federal Tax ID # _____

Mailing Address _____

City _____ State _____ ZIP _____

Telephone _____

Fax _____

CERTIFICATION STATEMENT

I certify that all information in this Application, including any attachments, is true and accurate to the best of my knowledge. I have read and understand the Terms and Conditions set forth on **www.hpwes.net** and agree to abide by them. I further certify that I am the Owner of the property.

I agree to permit KCP&L and/or MGE to verify the purchase invoices and product installation transactions.

I acknowledge that KCP&L and MGE may issue the rebate in the form of a bill credit to my account.

Applicant's Signature: _____

Date: _____

PAYMENT RELEASE AUTHORIZATION

If the rebate is to be paid to someone other than the Customer, the Customer will not receive a rebate check from KCP&L and/or MGE. The Customer understands that the release of the rebate payment to the specified third party does not exempt the Customer from the requirements outlined in this application.

THE CUSTOMER HEREBY AUTHORIZES THE REBATE
PAYMENT TO:

(Customer/Business)

Payee Name _____
(Please print)

Contact Name _____

Title _____

Payee Mailing Address

City _____ State _____ ZIP _____

Home Phone _____

Cell Phone _____

E-mail _____

Customer's Signature _____

Date _____

Help Us Improve Our Service

Please select the type of home:

- ☐ Single-Family
☐ Apartment
☐ Duplex or Townhome

Size of the home or apartment in square feet: _____

Please select which of the following KCP&L and MGE programs you have participated in or are participating in?

KCP&L

- | | |
|---|---|
| <input type="checkbox"/> Energy Optimizer | <input type="checkbox"/> Surge Protection |
| <input type="checkbox"/> Energy Analyzer | <input type="checkbox"/> Change A Light |
| <input type="checkbox"/> Cool Homes | <input type="checkbox"/> Other: _____ |

MGE

- ☐ Energy Sense Water Heater Rebate
☐ Energy Sense Space Heating Rebate

For more information about our current program offerings, please visit www.hpwest.net

From whom did you hear about the Home Performance with ENERGY STAR program?

- ☐ KCP&L
☐ MGE
☐ Contractor/Consultant
☐ The Metropolitan Energy Center
☐ The Missouri Department of Natural Resources
☐ EPA ENERGY STAR® Program
☐ Other: _____

How did you hear about the Home Performance with ENERGY STAR program? (Check all that apply.)

- | | |
|---|--|
| <input type="checkbox"/> KCP&L Bill Insert | <input type="checkbox"/> Letter/Mail |
| <input type="checkbox"/> MGE Bill Insert | <input type="checkbox"/> KCP&L Website |
| <input type="checkbox"/> Newspaper/Magazine | <input type="checkbox"/> MGE Website |
| <input type="checkbox"/> Radio | <input type="checkbox"/> Event |
| <input type="checkbox"/> E-mail | <input type="checkbox"/> Other: _____ |

Return Application and Final Invoices to:

Metropolitan
ENERGY CENTER

Metropolitan Energy Center (MEC)
3810 Paseo
Kansas City, MO 64109

ADDITIONAL INFORMATION

For more information or to download additional applications, visit www.hpwes.net

You may qualify
for up to

\$1,200



HOME
PERFORMANCE
WITH
ENERGY STAR

KCP&L and MGE customers can receive up to \$1,200 in bill credits through the Home Performance with ENERGY STAR program when at least one qualifying energy-efficient improvement recommended by a Home Performance with ENERGY STAR certified auditor is implemented. Qualifying improvements can include:

- ENERGY STAR windows and doors
- Insulation
- Sealing ductwork
- Sealing air leaks

Additional energy-efficiency programs

KCP&L and MGE offer additional programs to help you achieve your energy-efficient home improvements:

KCP&L

- **Energy Analyzer.** Use this free online tool to understand your home energy use and learn how you can conserve energy and save money
- **Energy Optimizer.** Reduce your heating and cooling costs with a free, professionally installed programmable thermostat
- **Cool Homes.** Qualify for rebate incentives up to \$850 when you upgrade to a high efficiency cooling system

MGE

- **Energy Sense Water Heater Rebate.** Save up to \$200 off the purchase and installation of an ENERGY STAR-rated natural gas water heating system
- **Energy Sense Space Heating Rebate.** Qualify for a \$200 bill credit when you purchase and install an ENERGY STAR-rated natural gas heating system

It's as easy as 1-2-3...

Step 1 — Call (816) 285-4330 or visit www.hpwes.net to obtain a list of certified auditors

Step 2 — Schedule a Home Performance assessment with a certified auditor

Step 3 — Receive a customized energy efficiency to-do list

Step 4 — Select the improvements you want to make

Step 5 — Implement the improvements

Step 6 — Verify the energy savings through your auditor

Step 7 — Receive up to \$1,200 from KCP&L and MGE after submitting the application form available from your auditor, www.hpwes.net

Step 8 — Share your Home Performance experience with family, neighbors, co-workers and others

To find a certified auditor or for more information

Call (816) 285-4330

Visit www.hpwes.net



HOME PERFORMANCE WITH
ENERGY STAR



573-0900183 (09-09)

KCP&L and Missouri Gas Energy (MGE) are joining together to offer special savings to our customers.

The Home Performance with ENERGY STAR® program offers a comprehensive approach to home improvement, remodeling, and renovation that will make your home more efficient and reduce energy costs, while improving indoor air quality and creating a more comfortable, healthier home. At the same time, you'll help to protect the environment through energy conservation.

Nationally recognized program

Sponsored by the Missouri Department of Natural Resources, Energy Center, and designed by the U.S. Department of Energy and U.S. Environmental Protection Agency, this nationally recognized program trains and certifies auditors in the advanced techniques and state-of-the-art equipment needed to evaluate your home from top to bottom.

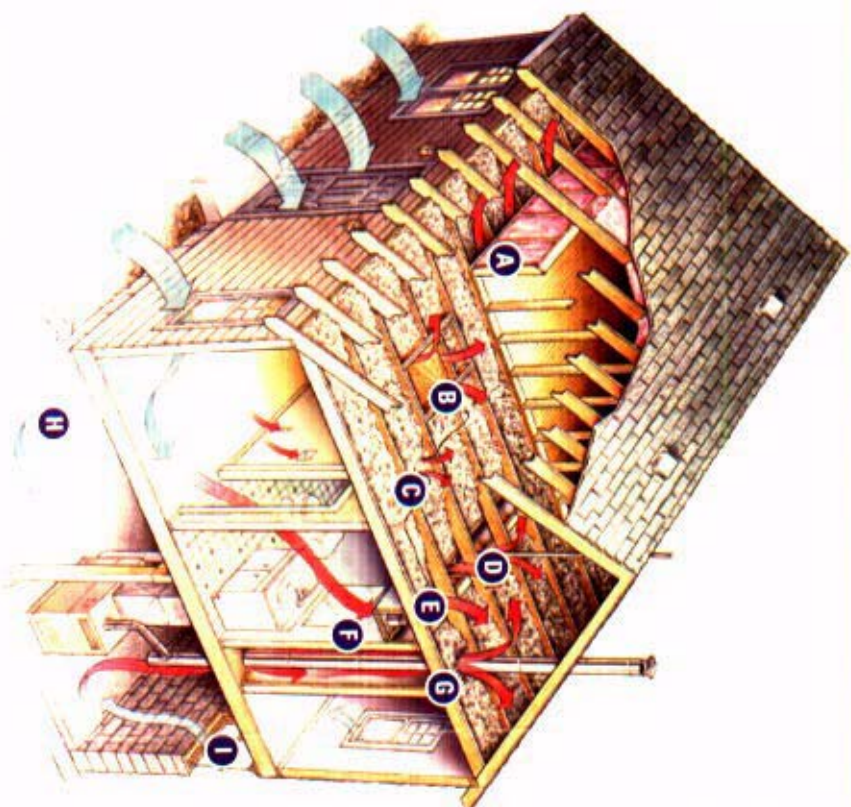
Diagnosing the problem

Each Home Performance with ENERGY STAR assessment includes diagnostic tests of your house. Rather than focusing on a single component, such as drafty windows, an old air conditioner or leaky ductwork, your auditor will assess how improvements to all components can work together to provide:

- Fewer drafts
- Consistent temperature distribution across rooms
- Better humidity control, proper ventilation
- Lower utility bills

Advanced techniques used by your auditor will include:

- A blower door test to locate major paths of air leakage in homes, one of the largest causes of energy loss
- A duct system test to determine how effectively your heating and cooling system delivers air to the house versus how much is lost to, or gained from, unconditioned spaces like crawl spaces or attics.



Effects of Air Leaks

- ➡ Cold outside air drawn into the house
- ➡ Heated inside air drawn into the attic

Common Household Air Leaks

- A** Behind kneewalls
- B** Attic hatch
- C** Wiring holes
- D** Plumbing vent
- E** Open soffit (the box that hides recessed lights)
- F** Recessed light
- G** Furnace flue or duct chaseways (the hollow box or wall feature that hides ducts)
- H** Basement rim joists (where the foundation meets the wood framing)
- I** Windows and doors

Common Recommendations

- Sealing air leaks and adding insulation
- Sealing ductwork
- Improving heating and cooling systems
- Upgrading lighting and appliances

Third-party verification

In addition to your auditor's verification, the Metropolitan Energy Center spot checks projects done by participating Home Performance with ENERGY STAR auditors to ensure their assessments and completed work follow program protocols.

Home Performance with ENERGY STAR focuses on energy efficiency and savings

- Reduce your utility bills
- Improve the health and safety of your home
- Increase your personal comfort
- Extend the longevity of your home and appliances
- Lower your carbon footprint
- Increase the value of your home

