

## OPTION 2: PERFORMANCE REQUIREMENTS

- Specify the size and efficiency of A/C or electric heat pump.

BTUH \_\_\_\_\_ SEER \_\_\_\_\_

EER \_\_\_\_\_ HSPF \_\_\_\_\_

Mfr \_\_\_\_\_

Model# \_\_\_\_\_

Serial# \_\_\_\_\_

- Specify the size and efficiency of electric water heater (if installed)

Gallons \_\_\_\_\_ EF \_\_\_\_\_

Mfr \_\_\_\_\_

Model# \_\_\_\_\_

Serial# \_\_\_\_\_

- Please attach a copy of the home's ENERGY STAR certificate and the final HERS report.

## APPLICANT AGREEMENT

I have read and hereby agree to KCP&L's ENERGY STAR New Homes Program requirements as stated on this application. I hereby certify that the above information is true, accurate, and complete to the best of my knowledge. I understand that the proposed rebates from KCP&L are subject to change based on availability, verification, and KCP&L approval. I agree to verification of the installed equipment and other energy-saving measures, which may include a site inspection by an KCP&L representative or agent. I also understand that any rebates paid to me may be taxable.

KCP&L does not warrant or guarantee that installation of equipment qualifying for rebates will result in reduced energy usage or demand, or in cost savings. The Applicant understands that KCP&L is not responsible for and assumes no liability for the selection, safety, design, installation or operation of the installed equipment. The Applicant will indemnify and hold harmless KCP&L and its officers, directors, shareholders, agents, employees, and representatives from all claims, liabilities, fines, interest, costs, expenses, and damages resulting from, arising out of, or relating to the installed equipment or the acts or omissions of Applicant or Applicant's employees or agents.

(Applicant/Builder/HERS Rater)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Mail this completed application and supporting documents to:

ESNH  
KCP&L  
Energy Solutions  
P.O. Box 418679  
Kansas City, MO 64141-9679

### ADDITIONAL INFORMATION

For more information or to download additional applications, visit [www.kcpl.com](http://www.kcpl.com).



[www.kcpl.com](http://www.kcpl.com)



# ENERGY STAR® New Homes Program

Missouri ENERGY STAR New Homes Builder and Energy Rater Application

## How It Works

Installing energy-efficient technologies during new home construction is a smart way to distinguish the homes you build by their performance and quality, and lower homeowners' energy bills.

Builders who meet the eligibility requirements will receive \$800 per home under KCP&L's ENERGY STAR New Homes Program. KCP&L will also pay HERS raters up to \$750 for the inspections and HERS rating requirements for a Builder's home to achieve the ENERGY STAR label. Complete this application to sign up.

Builders may select from one of two options to qualify:

- Option 1: Obtain an ENERGY STAR label for the home by following ENERGY STAR Prescriptive Standard that specifies the minimum efficiencies for the home's heating and cooling equipment, ductwork, windows, water heating, and lighting and appliances, or
- Option 2: Obtain an ENERGY STAR label for the home based on its performance. Program compliance through the home performance option is demonstrated with a Home Energy Rating (HERS) Index of 85 or less.

## Program Guidelines

### GENERAL ELIGIBILITY

- New home must be in KCP&L's Missouri service territory.
- New home must be three stories or less.
- Eligible homes include those that are site-constructed, attached or detached, single family or low-rise multi-family, system-built (structural insulated panels or modular), or log.

[www.kcpl.com](http://www.kcpl.com)



## VERIFICATION OF ENERGY STAR QUALIFIED NEW HOME CONSTRUCTION

- Participating Builders will become ENERGY STAR partners through the national ENERGY STAR New Homes program. Builders may contact KCP&L for assistance with the ENERGY STAR® Partner sign-up process.
- The Home Energy Rating System (HERS) will be used to provide independent, third-party verification of ENERGY STAR New Home construction.
- Builders will retain HERS Raters to complete on-site home inspections. Builders will then use the HERS results to obtain ENERGY STAR certification for qualifying homes.
- For a home qualifying under the performance option the Builder must submit construction plans to the HERS Rater prior to construction. The HERS Rater will use standardized software that yields a pre-construction HERS Index, and then work with the Builder to identify energy-efficiency improvements and to ensure the home will meet ENERGY STAR performance guidelines.
- Under both the prescriptive and performance options:
  - Onsite inspections will be completed by HERS Raters during construction and will include an inspection prior to drywall installation to complete the Thermal Bypass Inspection Checklist. (For more information, see: [http://www.energystar.gov/ia/partners/bldrs\\_lenders\\_raters/downloads/ThrmByChklist\\_112006.pdf](http://www.energystar.gov/ia/partners/bldrs_lenders_raters/downloads/ThrmByChklist_112006.pdf)). An additional onsite inspection will be performed following completion of the home to verify proper construction.

HERS Raters retained by a Builder of multiple homes may be eligible to apply the “Energy Star for Homes Revised Sampling Protocol Guidelines” to randomly test and inspect a minimum of 15% of the Builder’s similarly-constructed homes.

- HERS Raters may request a payment of up to \$750 from KCP&L per rated home toward the cost of the inspections and/or HERS rating. The HERS rater is required to complete the application and submit an invoice for payment.
- A Builder whose homes consistently fail the ENERGY STAR verification process will become ineligible to participate in the Program.

## REBATES FOR QUALIFYING ENERGY STAR HOMES

- Builders may request a rebate of \$800 per home for each home that receives the ENERGY STAR label.
- Rebate applications will be processed on a first-come, first-served basis.

## DISCLAIMER

- KCP&L reserves the right to modify or end this program or any portion thereof at any time without prior notice.

## Sign Up Now and Save

The following information must be completed and returned to KCP&L to be eligible for rebates under KCP&L’s ENERGY STAR New Homes Program.

- Builder must submit proof of ENERGY STAR certification along with this application.
- Additional sheets may be attached for multiple new homes in the same development and of the same design that meet all of the ENERGY STAR New Homes Program requirements.

## APPLICANT/BUILDER INFORMATION

(Builder/Company)  
 Name: \_\_\_\_\_  
 Tax ID \_\_\_\_\_  
 Builder Contact Name: \_\_\_\_\_  
 Builder Mailing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
 Number of homes built per year \_\_\_\_\_  
 Planned percentage of homes built to ENERGY STAR®. \_\_\_\_\_

Unless otherwise specified below, the rebate payment will be made to the Builder.

## PAYMENT RELEASE AUTHORIZATION

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

## THE BUILDER HEREBY AUTHORIZES THE REBATE PAYMENT TO:

(Customer/Business)  
 Payee Name: \_\_\_\_\_  
 Contact Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Payee Mailing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
 Builder’s Signature \_\_\_\_\_  
 Date \_\_\_\_\_

## HERS RATER INFORMATION AND PAYMENT REQUEST\*

(HERS Rater)  
 Company Name: \_\_\_\_\_  
 Tax ID \_\_\_\_\_  
 (HERS Rater)  
 Contact Name: \_\_\_\_\_  
 (HERS Rater)  
 Mailing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_  
 E-mail \_\_\_\_\_  
 Telephone \_\_\_\_\_ Fax \_\_\_\_\_  
 HERS Inspection Dates: \_\_\_\_\_

\*Invoice must accompany application.

## NEW HOME INFORMATION

Account Number (Enter information if an account number has been assigned to the new residence):  
 □ □ □ □ □ □ □ □ □ □  
 New home address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

## OPTION 1: PRESCRIPTIVE REQUIREMENTS

- Complete the Prescriptive Requirements table below
- Please attach a copy of the home’s ENERGY STAR certificate.

Feature	Climate Zone 4*		Climate Zone 5**		Area Reserved for Verification Notes
		Efficiency Requirement		Efficiency Requirement	
Envelope	Foundation Insulation	Crawl Space	<input type="checkbox"/> >= R-10 or R-13	<input type="checkbox"/> >= R-10 or R-13	
		Basement Walls	<input type="checkbox"/> >= R-10 or R-13	<input type="checkbox"/> >= R-10 or R-13	
		Ceiling	<input type="checkbox"/> >= R-38	<input type="checkbox"/> >= R-38	
		Slab Insulation	<input type="checkbox"/> >= R-10, 2 ft. depth	<input type="checkbox"/> >= R-10, 2 ft. depth	
		Floor Insulation	<input type="checkbox"/> >= R-19	<input type="checkbox"/> >= R-30	
		Walls	<input type="checkbox"/> >= R-13	<input type="checkbox"/> >= R-19 or R-13+5	
		Infiltration	<input type="checkbox"/> <= 6 air changes per hour (ACH50)	<input type="checkbox"/> <= 5 air changes per hour (ACH50)	
	Completed thermal bypass inspection checklist	<input type="checkbox"/> Prior to drywall <input type="checkbox"/> At project completion			
Windows	Maximum Window Area	<input type="checkbox"/> As specified by national ENERGY STAR guidelines			
	U-Value	<input type="checkbox"/> <= 0.40			
	Solar Heat Gain Coefficient	<input type="checkbox"/> <= 0.45			
Space Heating & Cooling***		<input type="checkbox"/> ENERGY STAR Qualified			
Thermostat		<input type="checkbox"/> ENERGY STAR qualified with “Adaptive Recovery” technology			
Water Heater		<input type="checkbox"/> ENERGY STAR Qualified			
Ductwork	Insulation	<input type="checkbox"/> R-6 minimum insulation on ducts in unconditioned spaces			
	Leakage	<input type="checkbox"/> <= 4 cfm to outdoors/ 100 sq. ft.			
Lighting & Appliances		<input type="checkbox"/> Five or more ENERGY STAR qualified appliances, light fixtures, ceiling fans equipped with lighting fixtures, and/or ventilation fans.			

\* Climate Zone 4 Counties: Barton, Bates, Benton, Carroll, Cass, Cedar, Clay, Dade, Henry, Howard, Jackson, Johnson, Lafayette, Pettis, Platte, Ray, Saline, St. Clair, Vernon

\*\* Climate Zone 5 Counties: Andrew, Atchison, Buchanan, Chariton, Clinton, Davies, DeKalb, Gentry, Grundy, Harrison, Holt, Livingston, Mercer, Nodaway, Randolph, Worth

\*\*\* Cooling equipment shall be sized according to the latest editions of ACCA Manuals J and S, ASHRAE 2001 Handbook of Fundamentals, or an equivalent procedure. Maximum oversizing limit for air conditioners and heat pumps is 15% in Climate Zone 4 and 25% in Climate Zones 5. The following operating conditions shall be used in the sizing calculations and verified where reviewed by the rater:

Outdoor temperatures shall be the 99.0% and 1.0% design temperatures as published in the ASHRAE Handbook of Fundamentals for the home’s location or most representative city for which design temperature data are available; Indoor temperatures shall be 75 F for cooling and 70 F for heating; Infiltration rate shall be selected as “tight”, or the equivalent term.

Subdivision name and lot number and plan number (if applicable) \_\_\_\_\_

Number of lots within this subdivision (if applicable) \_\_\_\_\_

Number of plan types within this subdivision (if applicable) \_\_\_\_\_

Square footage of home \_\_\_\_\_

Project start date \_\_\_\_\_

Project completion date \_\_\_\_\_

Please select type of home:

- single family
- structural insulated panels (SIP)
- multi-family
- log home

Please select the number of levels in the home:

- one story
- three story
- two story

Primary Fuel Source \_\_\_\_\_

Homeowner name (if applicable) \_\_\_\_\_

Homeowner phone number (if applicable) \_\_\_\_\_