

EAST KENTUCKY POWER COOPERATIVE, INC.

Section DSM -2

Touchstone Energy Home

Purpose

In an effort to improve new residential home energy performance, East Kentucky Power Cooperative, Inc. (EKPC) has designed the Touchstone Energy Home Program. This program provides guidance during the building process to guarantee a home that is  $\geq 15-20\%$  more efficient than the Kentucky standard built home.

The standard built new home in rural Kentucky typically receives a 100 on the Home Energy Rating System ("HERS") Index. A HERS Index Score of 100 means the home is built to only moderate levels of efficiency- generally the 2004 International Energy Conservation Code ("IECC").

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Availability

This program is available in all service territories served by EKPC.

Eligibility

To qualify as a Touchstone Energy Home under EKPC's program, the participating single-family home must be located in the service territory of a participating Member System Cooperative and must meet the program guidelines following one of the three available paths of approval. Multi-family dwellings pre-approved by EKPC may be eligible.

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Prescriptive Path:

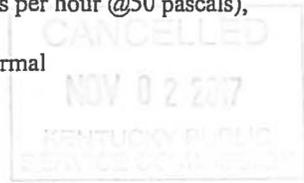
- Home must meet each efficiency value as prescribed by EKPC.
- Home must receive pre-drywall inspection and complete EKPC's pre-drywall checklist.
- Home must receive a final inspection, pass a whole house air leakage test ( $< 7$  air changes per hour @50 pascals), and duct leakage test ( $< 10\%$  of the fan's rated capacity).
- Primary source of heat must be an Air Source Heat Pump  $\geq 14$  Seasonal Energy Efficiency Ratio ("SEER")/8.2 Heating Seasonal Performance Factor ("HSPF") or Geothermal
- Water Heater must be an electric storage tank water heater that is  $\geq .90$  Energy Factor (EF)

Performance Path Level #1:

- Home must receive a HERS Index score between 80-85 (15-20% more efficient than the KY standard built home)
- Home must receive pre-drywall inspection and complete EKPC's pre-drywall checklist
- Home must receive a final inspection, pass a whole house air leakage test ( $< 7$  air changes per hour @50 pascals), and duct leakage test ( $< 10\%$  of the fan's rated capacity).
- Primary source of heat must be an Air Source Heat Pump  $\geq 13$ SEER/7.5HSPF or Geothermal
- Home must pass 2009 IECC performance path.
- Water Heater must be an electric storage tank water heater that is  $\geq .90$  (EF)

Performance Path Level #2:

- Home must receive a HERS Index score of  $\leq 79$  (At least 21% more efficient than the KY standard built home)
- Home must receive pre-drywall inspection and complete EKPC's pre-drywall checklist.
- Home must receive a final inspection, pass a whole house air leakage test ( $< 7$  air changes per hour @50 pascals), and duct leakage test ( $< 10\%$  of the fan's rated capacity).
- Primary source of heat must be an Air Source Heat Pump  $\geq 13$ SEER/7.5HSPF or Geothermal
- Home must pass 2009 IECC performance path.
- Water Heater must be an electric storage tank water heater that is  $\geq .90$  (EF)



KENTUCKY PUBLIC SERVICE COMMISSION	
JEFF R. DEROUEN EXECUTIVE DIRECTOR	
TARIFF BRANCH	
DATE OF ISSUE: November 30, 2012	DATE EFFECTIVE: Service rendered by <i>Brent Kirtley</i> July 1, 2013.
ISSUED BY: <i>Anthony Staysell</i>	TITLE: <i>Pres. / CEO</i> EFFECTIVE: <b>1/1/2013</b>
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)	

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Issued by authority of an Order of the Public Service Commission of Kentucky in Case No. \_\_\_\_\_ Dated \_\_\_\_\_

