



Missouri Division of Energy Missouri Home Energy Certification (MHEC)

NASEO Energy Policy Outlook Conference
February 7-10, 2017



About Missouri Division of Energy

As the state's energy office –

The Missouri Division of Energy assists, educates, and encourages Missourians to advance the efficient use of diverse energy resources to drive economic development, provide for a healthier environment and to achieve greater energy security for future generations.

Background

- Relatively low utility rates.
- Home rule state.
- No statewide energy codes.
- No Public Benefit Funds for EE/RE

MHEC Program Snapshot



Department of Economic Development
Division of Energy

MHEC is a voluntary state-wide program administered by the Missouri Department of Economic Development/Division of Energy, designed to promote energy efficient homes through clear and meaningful recognition.

MHEC Program Snapshot



- Incorporates a number of existing national and local residential EE programs and creates a level of consistency with a single platform.
- Recognizes both highly efficient new homes and existing homes that have implemented EE improvements for achieving a high EE level.
- Involved many stakeholders during the program development and implementation.

Benefits

- Business opportunities from market needs
 - Certified green homes are sold on average at 9% higher than comparable homes in California¹ and 9.6% higher in Seattle, WA².
- Attractive financing options for contractors and homeowners.
- Marketing assistance from state and local programs.

1. Kok, Nils and Kahn, Matthew E, 2012. "The Value of Green Labels in the California Housing Market: An Economic Analysis of the Impact of Green Labeling on the Sales Price of a Home".
2. Ann Griffin, 2009. "Certified Home Performance: Assessing the Market Impacts of Third Party Certification on Residential Properties".

MHEC Program Overview



The Missouri Division of Energy's Home Energy Certification Program

This home has achieved a superior level of energy performance and includes the following home energy components:

Certified GOLD

Home address:
1234 Main Street
Anywhere, MO 12345

Home Energy Auditor:
John Doe

Program Provider:
Program Name

System and score:
HES = 8 (or HERS = 65)

Certificate Issued:
June 3, 2014

Certificate Number:
0603141236

- Energy Star heat pump with SEER of 14.5
- R-49 insulation installed on attic floor
- R-15 insulation installed in conditioned basement band joist wall cavity
- Thermal envelope testing of 3ACH50

Lewis Mills
Director, Division of Energy

The Missouri Home Energy Certification (MHEC) Program is designed to provide for a voluntary approach to promote energy efficient homes through a clear and meaningful recognition program. For more information regarding the program go to <http://energy.mo.gov/energy/mhec>.

- Both new and existing single-family homes are eligible.
- Two certification levels: Gold and Silver.

MHEC Paths for Gold Certification

An eligible home must achieve one of the following:

- Score of 8 or greater on the HES.
- Score of 65 or less on the HERS Index.
- Receive a Columbia Water & Light Efficiency Score backed by a HES of 8 or greater.
- Achieve the equivalence of the 2012 IECC for climate zone 4.
- ENERGY STAR Certified homes

MHEC Paths for Silver Certification

An eligible home must achieve one of the following:

- All cost effective improvements in HES have been implemented.
- 20 point decrease on the HERS Index.
- 90% efficiency rating on the CWL Efficiency Score.
- 20% energy savings as modeled by an approved program or approved modeling software.

MHEC Certification Process

- Applications must be submitted by a Certified Home Energy Auditor. No application fee is required by DE.
- Applications are submitted online (house details, improvements, and energy audit and improvements documentation).
- DE reviews and approves applications.
- Official certificate is generated automatically in the form of a PDF file.
- Energy auditors and homeowners are notified via email.

Missouri Certified Home Energy Auditors



Application Form
& Instructions

[http://energy.mo.gov/
energy/hea](http://energy.mo.gov/energy/hea)

MHEC Next Steps

- Work with Investor-Owned and Municipal Utilities to align energy efficiency programs.
- Reach out to realtors, inspectors, appraisers and homebuilder organizations.
- Survey modeling software used by home energy auditors.
- Develop ready-to-use-marketing packages.

MHEC Next Steps (cont.)

- Improve MHEC online application system.
- Increase the number of MO certified Home Energy Auditors.
- Increase the number of homes certified through MHEC.
- Work with residential energy stakeholders to overcome technical and market barriers.

For More MHEC Information

- **Visit our program webpage:**

<http://energy.mo.gov/energy/mhec> or

email mhec@ded.mo.gov

- **Contact:**

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