



BPI-2101-S-2013

Standard Requirements for a Certificate of Completion for Residential Energy Efficiency Upgrades

CEE Existing Homes Roundtable on Scoring and Labeling

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About Home Performance Coalition

National stakeholder and conference organization created to support a growing industry through research, advocacy, and standards setting.

Key Projects:

- Support interoperability and reduce program costs through the development of national data standards (e.g., HPXML, BPI-2101)
- Reform cost-effectiveness screening practices
- Make the value of energy efficient homes visible in the real estate transaction
- Finding intersections between smart grid technologies and home performance



What is BPI-2101?

Standard Requirements for a Certificate of Completion for Residential Energy Efficiency Upgrades (whole-home or individual measure)

- **Certificate of Efficiency Improvements** – Provides information about energy efficiency improvements installed as part of a program
- **Certificate of Performance** – Provides quantitative information about a home's performance (e.g., Home Energy Score) and upgrades that were installed as part of an energy efficiency program
- Certificates can be formatted, branded and issued by programs sponsored by a government agency, weatherization entity, utility or nonprofit organization, or by entities implementing nationally recognized third-party quality assurance (QA) programs.



Home Performance with ENERGY STAR® Certificate of Energy Improvements

**AZ Home
Performance
with ENERGY
STAR**



Home Address:

123 Main St. Phoenix AZ

Work Performed By:

ABC Performance Inc.

Work Verified By:

FSL Home Energy Solutions

Work Completed On:

02/01/2016

Signature:

Doe, John

Digitally signed by Doe, John
DN: cn=Doe, John, o=HP Assurance Inc, ou=Quality
Assurance, email=bsblackbelt@gmail.com, c=US
Reason: I am approving this document
Date: 2016.01.20 13:03:35 -0700

Home Performance Improvements:

Duct Leakage reduced to 85cfm25
Ceiling effective R-Value increased to R-38
All Room Pressures Brought Below +/- 3.0Pa

Additional Information:

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ENERGY STAR® is the simple choice for energy efficiency. Home Performance with ENERGY STAR is a systematic approach to improving energy efficiency and comfort in homes, while reducing the greenhouse gas emissions that contribute to climate change. Join the millions across America already making a difference at energystar.gov.



Barriers Addressed

Despite the growth in demand for energy efficient characteristics in existing homes, energy efficiency improvements are not typically recognized or valued in the real estate transaction for three major reasons:

- Lack of standard method for documenting energy efficiency upgrades keeps value of improvements invisible to homebuyers
- Professionals involved in sale of the home are not knowledgeable about energy efficiency improvements and the benefits of energy efficiency
- Market frequently fails to accurately value energy efficient homes or features because this value is difficult to quantify



Value of Standardization

- Provide homebuyers with access to consistent, comparable information about energy efficiency features in existing homes
- Enhance the status and value of homes that have received upgrades by presenting the market with a nationally-recognized protocol that can be used to document energy efficient features and characteristics
- Improve the transparency and consistency of how data is presented to real estate agents, appraisers, and underwriters
- Facilitate the flow of information and data about a home's energy efficient characteristics from an issuing program into the real estate value chain
- Facilitate the collection of high-quality data for other research purposes



For More Information

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