

# What is HPXML?

HPXML creates a common language for the industry's transactions, making it easier and less expensive to collect and exchange quality data among contractors, program administrators, implementers, government, and other industry partners.



## Data Dictionary

**BPI-2200-S-2013** *Standard for Home Performance-Related Data Collection* is a data dictionary that standardizes the names, definitions, and data formats of terms used to describe a whole-house or single measure residential energy upgrade for incentive, QA, evaluation, or reporting purposes.

## Transfer Standard

**BPI-2100-S-2013** *Standard for Home Performance-Related Data Transfer* provides requirements for a standard extensible markup language (XML) data transfer protocol used to exchange data defined in the HPXML data dictionary between different software systems.

## Real Estate Certificate

The **Real Estate Certificate** is a national home energy labeling protocol that can be adopted by programs to provide homeowners with third-party verified data on their home's energy efficiency features and performance, helping make their investment visible in the real estate market.

## Standards Development

HPXML is open data standard developed and maintained by more than 60 member organizations through an open and consensus based decision-making process established by the Building Performance Institute. Because HPXML is an open standard, any organization may submit a request to change HPXML. These requests go through a review and approval process to ensure that decisions about HPXML's development are collaborative and that no one organization can gain a competitive advantage over its competitors.

# What Can HPXML Do For Your Program?



## Improved Program Operations

HPXML drives down administrative costs for home performance programs by enabling the automated validation of standardized data. For example, after adopting HPXML, the NYSERDA Home Performance with ENERGY STAR program reduced time to approve projects from one week to less than an hour. NYSERDA was also able to incorporate automated data checks into its software, immediately alerting contractors to “out of bounds” values.



## Advanced Data Analytics

Data analytics software relies on large datasets of project data to more precisely target homeowners likely to benefit from energy efficiency upgrades, and to provide insight into contractor, measure, or modeling tool performance. When analytics companies have access to standard data, developers spend less time and money “translating” data into the same format. This results in lower software development costs for programs.



## Home Valuation

The Real Estate Certificate (BPI-2101) is a national energy labeling protocol that contains a subset of HPXML data used by real estate agents and appraisers to market and value an energy efficient home. When programs use HPXML, certificates can be automatically generated for homeowners at the end of a project. Certificates contain information on a home’s energy efficiency features and performance, including relevant scores or ratings.



## High Quality Research

HPXML standardizes terminology, and enables utilities, government, and researchers to collect higher quality data as a means of tracking and quantifying work completed in the industry. Program administrators can also provide evaluation contractors with measurably cleaner, more complete datasets, which can reduce data management costs and facilitate ongoing comprehensive market and program analyses.

HPXML is supported by Home Performance Coalition. Visit [www.hpxmlonline.com](http://www.hpxmlonline.com) to learn more.