



Goals and Priorities

Building America Residential Integration Program

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U.S. Department of Energy
Energy Efficiency and Renewable Energy

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable

Building Technologies Program



Goals, Priorities and Initiatives

- Retrofit 1.3 million homes by the end of 2013
- Provide research that demonstrates possibility to increase code stringency for new homes



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- **Retrofit 1.3 Million Existing Homes**
 - Platforms
 - Better Building Grant Program
 - Better Buildings become self-sustaining
 - Home Performance with ENERGY STAR
 - Utility Programs
 - Private Sector



- Existing Homes

- To support these platforms

- Provide diagnostic and prescriptive procedures that are reliable and inexpensive
 - Develop retrofit measures that achieve savings and are quick to install
 - Mitigate risk posed to homeowners and contractors.
 - Develop quality management and quality assurance procedures to safeguard the homeowner
 - Establish technician certifications and contractor accreditations to improve quality of work force
 - Curriculum development for trades and schools



Existing Homes Target

Energy Savings	Mixed-Dry, Hot-Dry and Marine	Mixed-Humid, Hot Humid	Cold, Very Cold, and Subarctic
Current Best Practice (15% or above)	2011	2011	2011
30%	2012	2013	2014
50%	2015	2016	2017



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- Provide research that demonstrates possibility to increase code stringency for new homes
- Platforms
 - Builder Challenge
 - ENERGY STAR V3 and Concept Home
 - Private Sector



- Provide research that demonstrates possibility to increase code stringency for new homes
 - Align Builder Challenge and ENERGY STAR
 - Installation of technology becoming important
 - Moisture and indoor air concerns must be addressed
 - Home Energy Management systems
 - MELs



New Homes Targets

Energy Savings	Mixed-Dry, Hot-Dry and Marine	Mixed-Humid, Hot Humid	Cold, Very Cold, and Subarctic
Current Best Practice (20% or above)	2010	2011	2011
30%	2011	2012	2013
50%	2014	2015	2016