

RESNET

Residential Energy Services Network

*Setting the **STANDARD**
for **QUALITY***

National Energy Incentives

Steve Baden, Executive Director

CABEC 2010 Conference

Web site: resnet.us

Exciting Opportunity for Building Performance Industry

- International Policy Makers See Opportunity that Improving Energy Performance of Buildings
 - Job Creation
 - Addressing Global Climate Change Issue
 - Addressing Energy Policy Issue

Rating Industry Taking Off

RESNET Ratings (2009)

- 116,283 homes rated (34.2% of new homes sold in the U.S.) – 12.2% in 2008
- 32,133 more homes than were labeled as ENERGY STAR in 2009 (84,150)

Tax Credit Qualifications Grew in 2009

37,506 homes were certified as complying with federal tax credit (50% more efficient than code) (10.0% of new homes sold in US) – 21,939 (4.6%) in 2008

Tax Credit Qualifications

Year	Number of Homes	Number of Homes Sold	% of Homes Verified
2009	37,506	374,000	10.0%
2008	21,939	485,000	4.6%
2007	23,102	776,000	3.0%
2006	7,110	1,051,000	0.7%

Status of Federal Tax Credit for New Homes

- Expired on December 31, 2009
- Senate Passed Legislation to Extend Credit
 - January 1 – December 31, 2010
- House Must Pass

Snowe-Feinstein Bill

- Extends the \$2,000 credit to December 31, 2012
- Creates a \$5,000 credit for homes that use 50% less whole house energy than the 2004 IECC (50 HERS Index)

President Obama Initiatives

Recovery Through Retrofit

“There are almost 130 million homes in this country. Combined, they generate more than 20 percent of our nation’s carbon dioxide emissions, making them a significant contributor to global climate change. Existing techniques and technologies in energy efficiency retrofitting can reduce home energy use by up to 40 percent per home and lower associated greenhouse gas emissions by up to 160 million metric tons annually by the year 2020. Furthermore, home energy efficiency retrofits have the potential to reduce home energy bills by \$21 billion annually, paying for themselves over time. By implementing Recovery Through Retrofit’s recommendations, the Federal Government will lay the groundwork for a self-sustaining home energy efficiency retrofit industry.”

Vice President Joseph Biden

Federal Initiatives

- \$11.3 Billion in Energy Efficiency Block Grants to State and Local Governments as Part of Economic Recovery Legislation
- Vice President Biden's Recovery Through Retrofit
- Retrofit for Energy and Environmental Performance (REEP)
- Home Star



HOME STAR \$6 Billion

- **SILVER STAR**
– \$3.6 Billion
- **GOLD STAR**
– \$1.8 Billion
- **Financing / QA / Admin**
– \$600 Million

HOME STAR

Cost:	\$6 Billion
Homes: Million	3.3
Jobs:	168,000
Homeowner Saving (10 yr.):	\$9.4 Billion
Equivalent Cars Off-Road:	615,000 Cars
Power Generation Offline: Plants	4 x 300MW

www.resnet.us/homestar



- **Up to a \$1,500 rebate per measure**
- **Not to exceed \$3,000**
- **Not to exceed 50% of project cost**

SILVER STAR - Eligible Measures

Rebate delivered to customer at time of purchase, but paid to installer post completion of job and quality assurance:

- | | |
|---|--|
| <input type="checkbox"/> Air Sealing | <input type="checkbox"/> Duct Seal / Replacement |
| <input type="checkbox"/> Attic Insulation | <input type="checkbox"/> Wall Insulation |
| <input type="checkbox"/> Domestic Hot Water | <input type="checkbox"/> Floor Insulation |
| <input type="checkbox"/> Heating Equipment | <input type="checkbox"/> Cooling Equipment |
| <input type="checkbox"/> Windows and Doors | |

GOLD STAR

- \$3,000 incentive for a 20% savings
- \$1,000 for each additional 5% savings
- Not to exceed 50% of project cost or \$8,000

1. Energy Assessment

2. Retrofit

➤ *Fundamentals*

- Weatherization
- Insulation

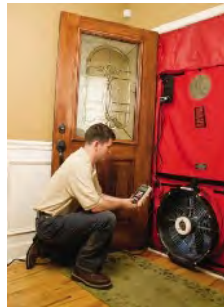
➤ *Major systems*

- Heating / Cooling
- Water Heating

➤ *Renewables*

- Solar

3. Quality Assurance



HOME STAR Financing

- Creates up to \$1.5 Billion in low interest consumer financing
- \$200 Million for credit supports and interest buy-downs
- Supports a wide variety of existing financial products including, but not limited to:
 - Property Assessed Clean Energy (PACE)
 - Fannie Mae loans
 - Non-collateral loans
 - Secured loan products
 - On-bill financing
- Allows American families to achieve cash flow positive results on most HOME STAR projects from day one

RESNET & Home Star

- How will RESNET members be able to work with Home Star?
 - “Quality Assurance Providers” for Silver and Gold
 - For Gold Star, calculation of the pre and post retrofit home energy consumption using RESNET approved computer simulation software
 - Post-retrofit home energy ratings
 - As QA Providers, investigation of home owner complaints

Home Star Quality Assurance

- Who can certify QA Providers?
 - International Code Council
 - BPI
 - RESNET
 - a State
 - State approved residential energy efficiency retrofit program

Home Star Quality Assurance

- Contractor's jobs shall be "field verified" on....
 - 20% of Silver Star jobs
 - 15% of Gold Star jobs
 - 10% for Silver and Gold jobs for contractors using 100% "certified workforce" in accordance with
 - BPI Certification
 - North American Technical Assistance
 - Laborers' International Union of North America



Status of Legislation

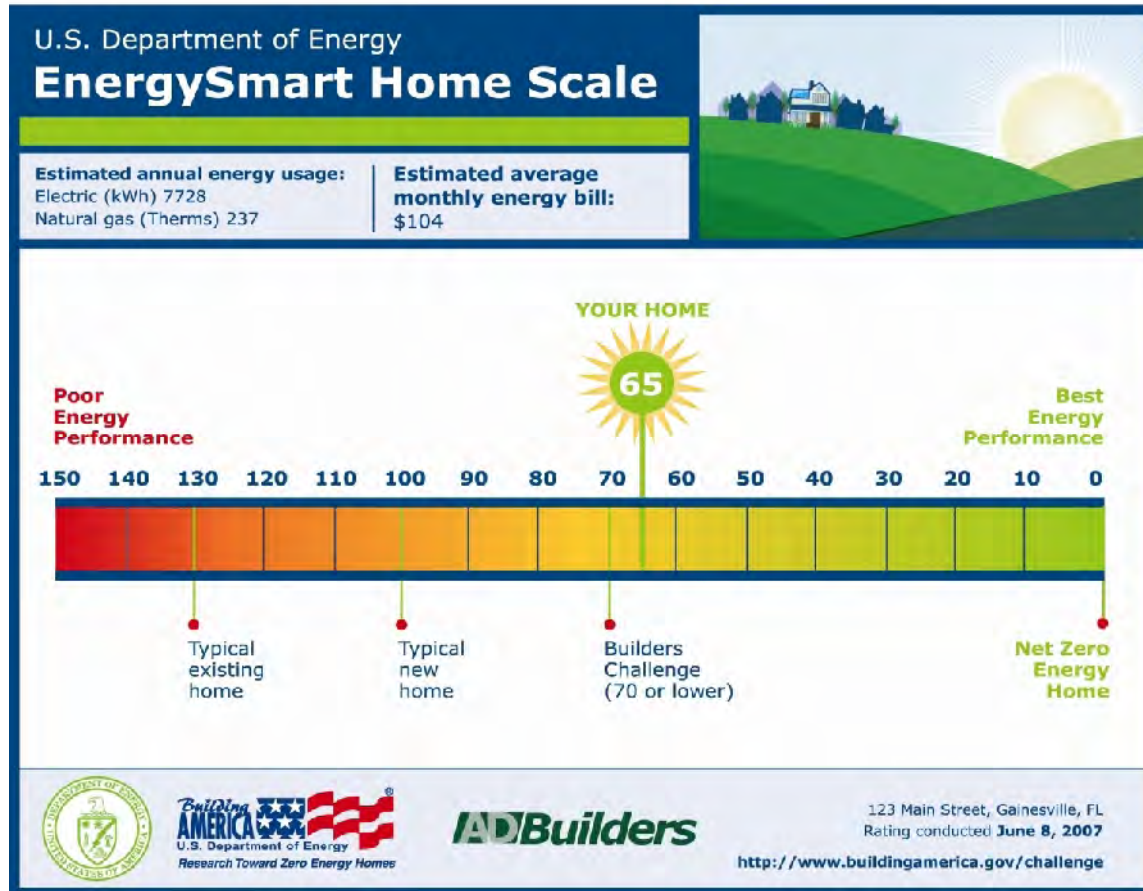
- **Introduced in Senate**
 - Home Star Retrofit Act of 2010 (S.3177) Sponsored by Senators Bingaman (D-NM), Graham (R-SC), Warner (D-VA)
- **In House – Passed by House Subcommittee on Energy and Environment**
 - Home Star Retrofit Act of 2010
 - Now in Full House Committee on Energy and Commerce

www.resnet.us/homestar

Another Opportunity: Commercial Buildings

- COMNET
 - Rating Process for Commercial Building and High-Rise Multi-Family Buildings
 - Formed by a Coalition of Organizations (New Building Institute, Institute for Market Transformation and RESNET with Funding from Energy Foundation
 - Will be Housed Within RESNET

DOE EnergySmart Home Scale



Welcome to the New RESNET Website

- “One-Stop-Shop” Portal to Retrofit Information
- Educate consumers
- Promote certified auditors and raters
- Promote qualified contractors
- Provide leading industry and training information

Get the Job Done Right!
With our RESNET qualified contractors and our RESNET certified Home Energy Auditors you can be rest assured your job will be done on time and on budget.
It's the simple... and efficient way



GET A QUOTE
From a RESNET qualified contractor/builder
GET QUOTES

FIND A RESNET QUALIFIED CONTRACTOR/BUILDER

FIND A RESNET CERTIFIED AUDITOR

WANT TO LEARN MORE?
Useful resources and articles related to job categories
ALL JOB TYPES

HOMEOWNER?
Visit our online resource archive of useful tips and tricks
RESOURCES

SCHEDULE AN ENERGY AUDIT
With a RESNET certified auditor

SCHEDULE

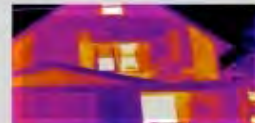
VIDEOS

ENERGY SAVING TIPS

HEADLINES



BLOWER DOOR TEST
Demonstrates how a blower door test is conducted
WATCH NOW



INFRARED CAMERA
See how the Infrared camera shows energy leaks
WATCH NOW



WALK THROUGH
How to conduct a prior walk through energy inspection
WATCH NOW



HOME ENERGY AUDIT
Basic understanding of the Home Energy Audit Process
WATCH NOW

REDUCE YOUR ENERGY BILLS

Learn more about Energy Efficient Appliances and Products
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ENERGY EFFICIENCY TAX CREDITS
LEARN MORE

ENERGY RATINGS & MORTGAGES
LEARN MORE

COMPLAINT RESOLUTION PROCESS
LEARN MORE

Make Plans to Attend the 2011 RESNET Conference

