

DER

Massachusetts Department
of Energy Resources

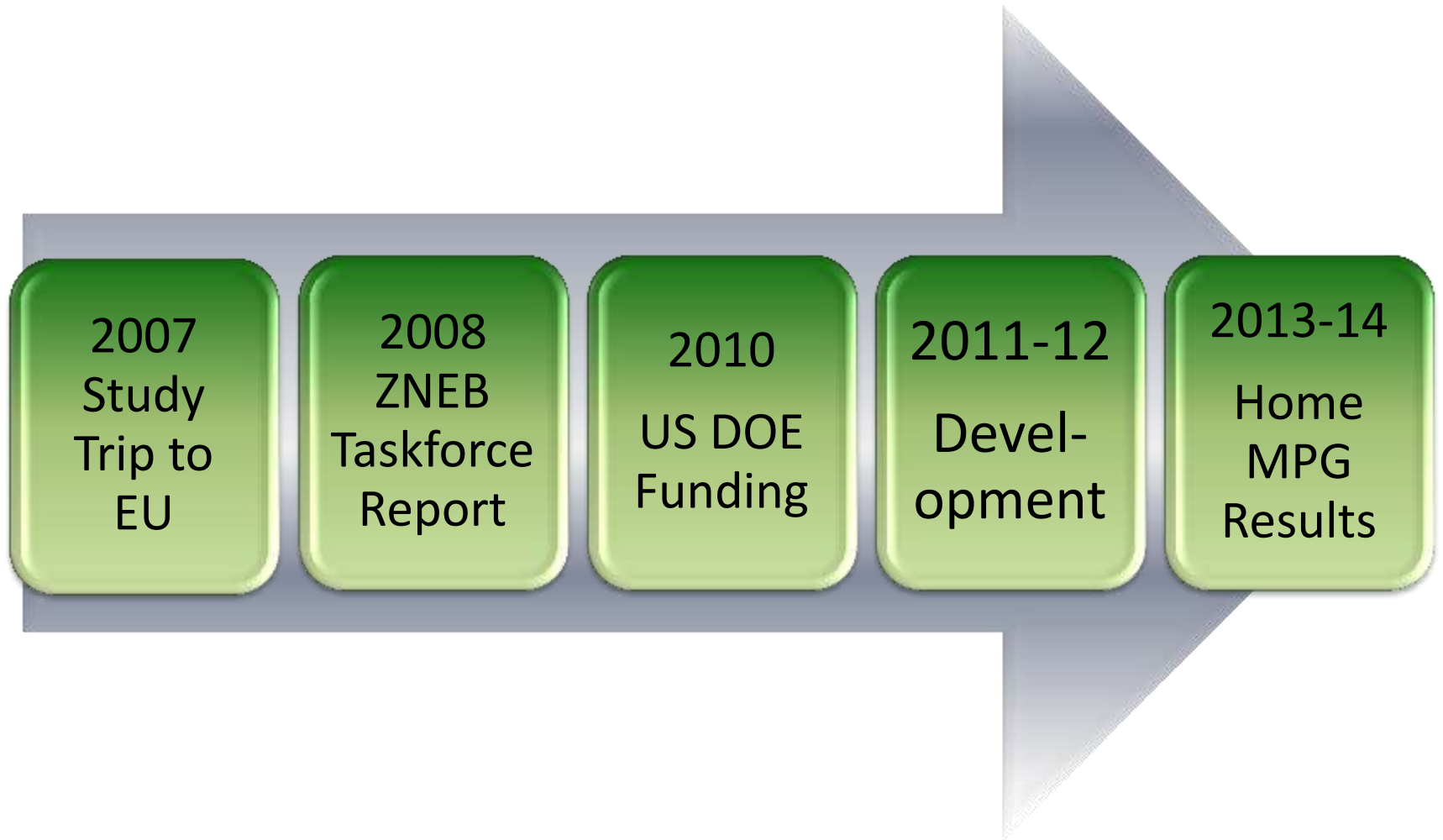


Residential Energy Rating in Massachusetts

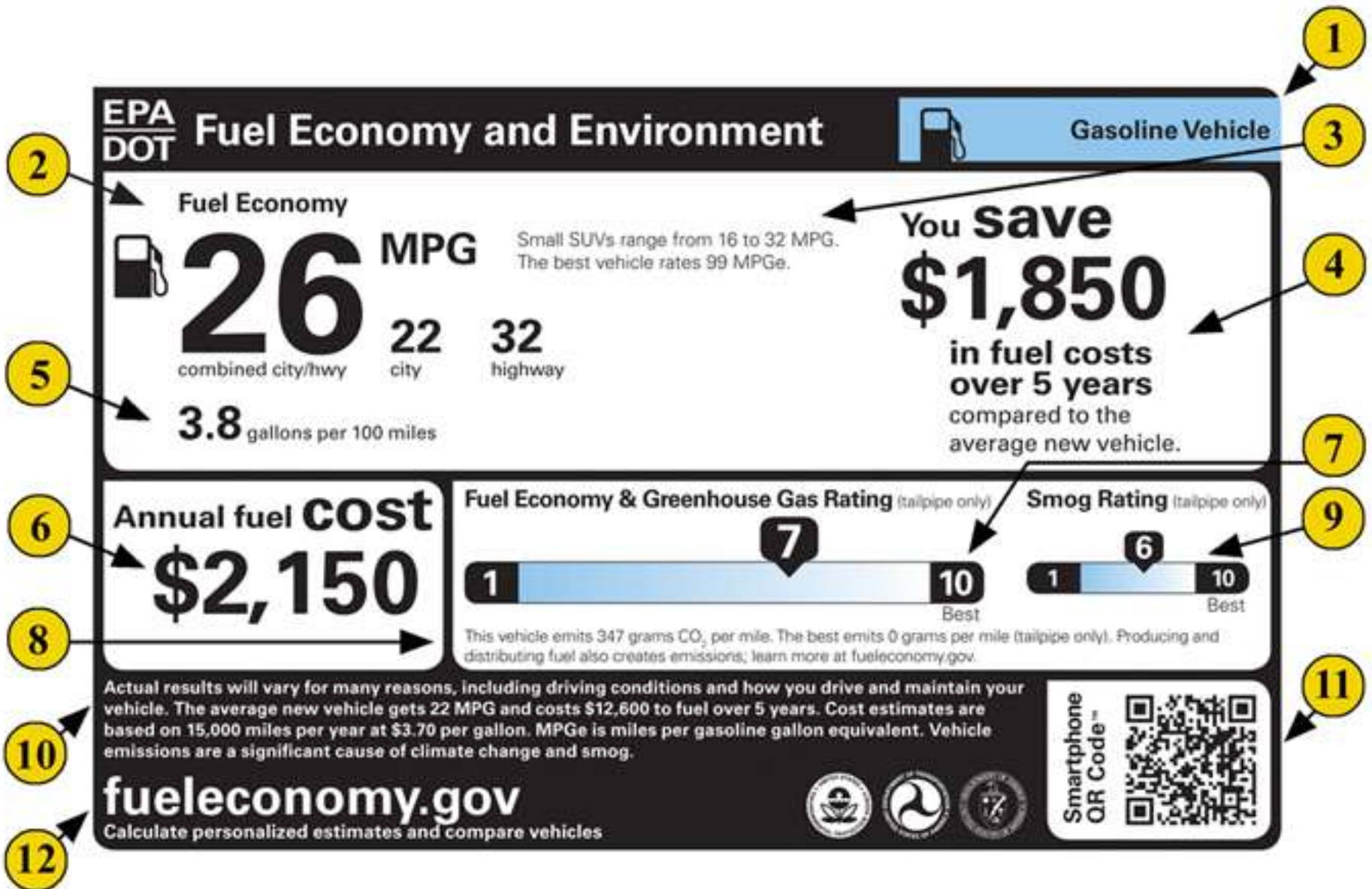
Ian Finlayson

Deputy Director – Energy Efficiency Division

MA timeline on Residential Labeling



More than one metric



ENERGY PERFORMANCE SCORE

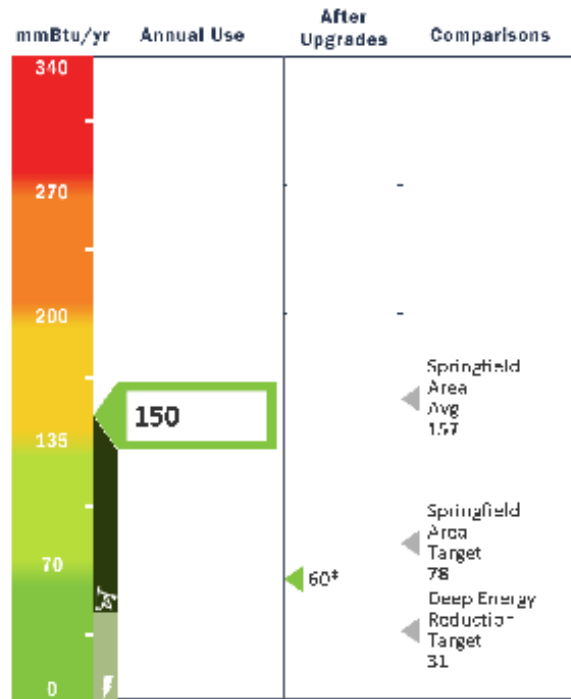


Address: 10-30 Oct
Bend, MA 01101

Reference Number: 250000158

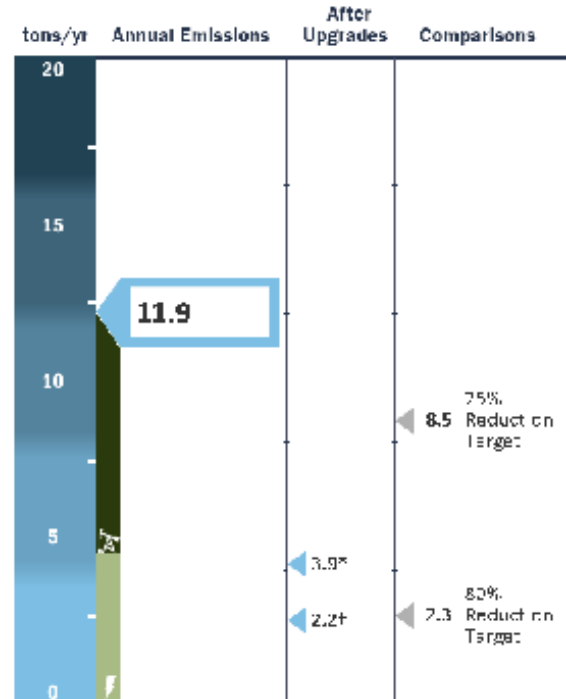
Energy Score: 150 mmBtu/yr	\$4,608	Carbon Score: 11.9 tons/yr
Electric: 13,700 kWh/yr	\$1,918	Electric: 4.5 tons/yr
Natural Gas: 0 therms/yr	\$0	Natural Gas: 0.0 tons/yr
Oil: 730 gal/yr	\$2,690	Oil: 7.4 tons/yr

Energy Score



*See Recommended Upgrades

Carbon Score



*See Recommended Upgrades

†With energy from renewable sources

This score measures the estimated total energy use (electricity, natural gas, propane, heating oil) of this home for one year. The lower the score, the less energy required for normal use. Actual consumption and costs may vary.

Measured in million Btus per year (mmBtu/yr).

This score measures the total carbon emissions based on the annual amounts, types, and sources of fuels used in this home. The lower the score, the less carbon is released into the atmosphere to power this home.

Measured in metric tons per year (tons/yr).

Bedrooms: 2 **Assessment Date:** 10/30/2011
Year Built: 1999 **Energy Specialist:** Covelo Test, Brandon



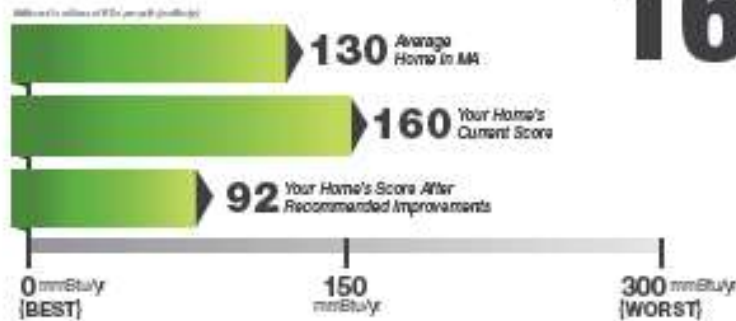


YOUR HOME'S ENERGY PERFORMANCE SCORE

Home MPG, a program within Mass Save®, provides you with your home's "miles per gallon" energy performance rating, called an "energy performance score" or EPS. By helping you better understand your home's energy use, Home MPG helps you make smart decisions about implementing improvements that make your home more energy efficient and reduce your energy costs.

Your Home's ENERGY PERFORMANCE SCORE

This score shows the estimated total energy use (electricity and heating fuel) of your home for one year. The lower the score, the better!



160

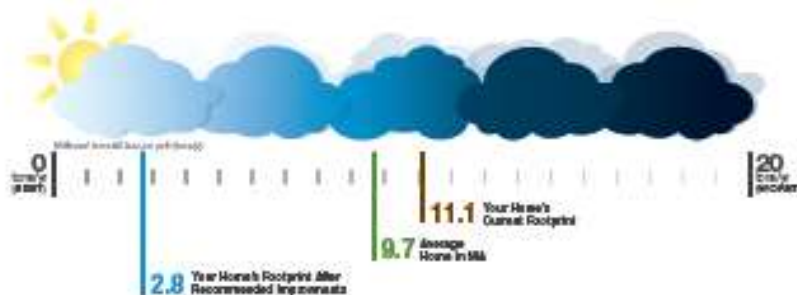
PREPARED FOR
<Customer Name>
<Customer Address>
<City>, <State> <Zip>
Ref #: <Site ID>

Year Built: <XXXX>
Sq Footage: <XXXX>
Bedrooms: <X>
Primary Heating Fuel:
<XXXX>

EPS Report Date:
<XX/XX/XXXX>
Energy Specialist:
<Energy Specialist Name>

Your Home's CARBON FOOTPRINT

This score shows the estimated carbon emissions based on the annual amounts, types, and sources of fuels used in your home. The lower the score, the less carbon is released into the atmosphere to power your home.



11.1

Estimated average carbon footprint (tons/yr): Electric <XX>, Natural Gas <XX>

DOLLARS & SENSE

Current Estimated Energy Costs: **\$2000** Per Year



ESTIMATED ENERGY SAVINGS

\$1150

Per Year

Based on implementing all of the recommended energy efficient improvements



YOUR HOME'S ENERGY PERFORMANCE SCORE

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PREPARED FOR

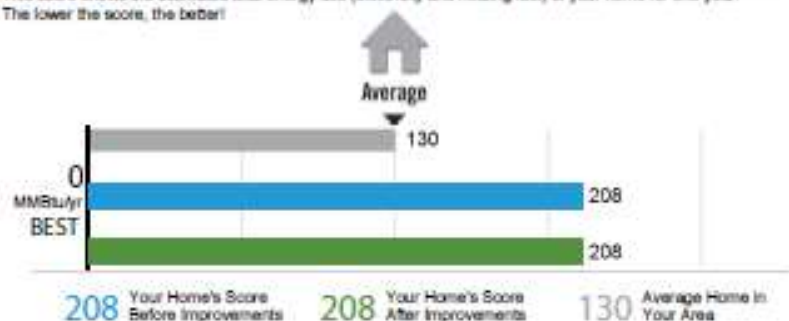
123 Test Street
Testville, NY 14850
Ref #: GSN637

Year Built: 1975
Sq Footage: 1800
Bedrooms: 3
Primary Heating Fuel: Electricity

Assessment Date: 9/12/2012
Energy Specialist: Performance Manager

208 Your Home's ENERGY PERFORMANCE SCORE

This score shows the estimated total energy use (electricity and heating fuel) of your home for one year. The lower the score, the better!



Estimated percentage of energy use by fuel type: Electric: 86%, Natural Gas: 14%
Estimated percentage of energy use by end use: Heating 80%, Cooling 5%, Hot Water 25%,
Appliances and Lighting 10%

THE BOTTOM LINE

PER YEAR

\$0

ESTIMATED ENERGY SAVINGS
Based on implementing all of the recommended energy efficiency improvements

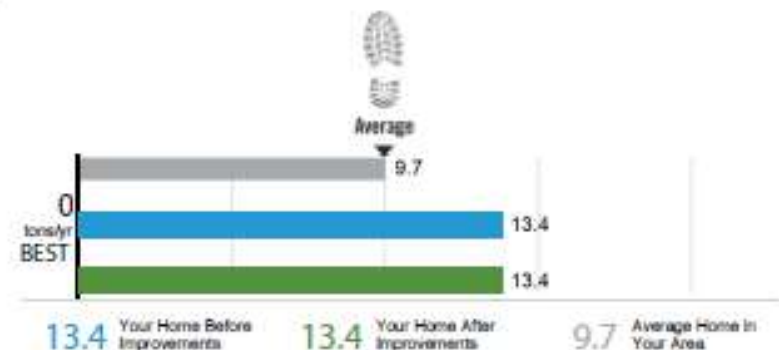
PER YEAR

\$9989

CURRENT ESTIMATED ENERGY COSTS

13.4 Your Home's CARBON FOOTPRINT

This score shows the estimated carbon emissions based on the annual amounts, types, and sources of fuels used in your home. The lower the score, the less carbon is released into the atmosphere to power your home.



For more information on Home MPG or to create an online account to manage your home's information, visit masssave.energy-performance-score.com

Actual energy costs may vary and are based on many factors such as occupant behavior, weather and utility rates. Please see reverse for more on the EPS calculation. Projections for savings and energy savings are estimates based on implementing all of the recommended energy efficiency improvements.



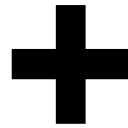
Western Massachusetts Electric

A National Grid Company



MA Home MPG 'EPS' Pilot

- 8 Towns and Cities in western Massachusetts
 - Belchertown, East Longmeadow, Hampden, Longmeadow, Monson, Palmer, Springfield and Wilbraham
- 3 Utilities: National Grid, WMECO (NU), Columbia Gas
- 2 Lead Vendors: CSG and Honeywell
- 16,000 Thermal images: Sagewell
- 150+ Local outreach events: Pioneer Valley Planning Commission and CET
- 3 Approved EPS Scorecards – EAI, CSG & Honeywell
- 0 % Financing from Local Banks (MA HEAT loan)



Additions to the Mass Save:

- **Scorecard:** Before and after Home MPG scorecard
- **Online info:** Scorecard + report + loan + IR image
- **Bonus rebates:** for insulation & HVAC equipment
- **Local outreach and assistance:** marketing and concierge if considering a retrofit



[For Homeowners](#)

[For Professionals](#)

[About](#)

[FAQ](#)

[Contact](#)



Home MPG, an initiative within Mass Save®, provides you with your home's "miles per gallon" energy performance rating to help you understand your home's energy use and make smart decisions about energy efficiency improvements. In addition to the no-cost energy assessment and financial incentives provided by Mass Save, Home MPG provides:

- A home "energy performance score" (EPS) - similar to a miles-per-gallon (MPG) rating for cars - that indicates a home's energy use and cost to operate irrespective of occupant behavior.
- A convenient on-line system that allows homeowners to view their EPS and recommended improvements.

Home MPG is funded by a grant from the Department of Energy and directed by the Massachusetts Department of Energy Resources

How it Works



Thermal Imaging

Access thermal images (for some homeowners) that highlight energy saving opportunities in the home

[More »](#)



Assess Your Home

Schedule a no-cost energy assessment to get an Energy Performance Score (EPS) and recommendations to make your home more energy efficient and comfortable. Rebates, incentives, and financing are available.

[More »](#)



Incentives & Financing

Home energy efficiency improvements can save money over time but may have initial costs. To help with these initial costs, rebates, incentives, and 0% financing are available.

[More »](#)



Improve Your Home

Qualified contractors are available to weatherize your home and improve its energy efficiency.

[More »](#)

Log in to My Account

Username

Password [Forgot Password?](#)

Remember me

[Log In](#)

Eligibility

This program covers all homes in **Belchertown, East Longmeadow, Hampden, Longmeadow, Monson, Palmer, Springfield, and Wilbraham** that are eligible for home energy assessments sponsored by the Mass Save program.

Don't Have a Home MPG Account? [Sign up now!](#)

Not eligible? [Take me back to MassSave »](#)

ReBuild Western Massachusetts is your source for information on tornado relief. [Take me to ReBuild](#)

Visualizing home energy improvements

Your independent energy efficiency advocate since 2008 [SIGN UP](#) [LOG IN](#)

sagewellSM HOW WE HELP YOUR HOME TAKE ACTION ABOUT BLOG

Thermal images of your home

See the heat
Start the savings



- Please enter your home address in the box below and click "Find Savings Now" to view your thermal image heat loss analysis.
- If you live in a single family home in one of the participating communities, you are eligible to participate in Home MPG which is an enhancement to the standard Mass Save home energy services program.
- Mass Save and the Home MPG program offer generous expanded rebates and incentives to homeowners and the opportunity to get an Energy Performance Score for your home.
- Enter your home address to view your thermal image report and request a free assessment today.

- 1 Request**
Enter your address below to request a no-cost in-home energy assessment and Sagewell thermal image report.
- 2 Receive**
Get a utility-sponsored in-home energy assessment and Sagewell thermal image report.
- 3 Improve**
Make improvements to begin enjoying savings and a healthier home today!

Find your home or building

Enter your invitation code or enter your street address, city and state [FIND SAVINGS NOW](#)

[All Homes: 131,704,730](#) [Highly Inefficient: 13,170,473](#) [Inefficient: 26,340,946](#) [Somewhat Inefficient: 26,340,946](#) [Efficient: 65,852,365](#)

Home Miles per Gallon

Homeowners who live in 1-4 family buildings in Springfield, Belchertown, Palmer, Monson, Longmeadow, East Longmeadow, Hampden, or Wilbraham are eligible to participate in Home MPG. The program offers no-cost energy assessments, enhanced incentives and 0% financing, thermal images (if available), and an energy performance score for your home.

Thermal images are an additional tool to help you identify potential opportunities to improve the energy efficiency of your home.

Sagewell's research and programs

Sagewell is an independent energy efficiency analysis company. We are not a builder, supplier, manufacturer or installer of energy efficiency materials. We focus our research on finding those homes that can save the most energy. We then connect the home owners with programs and companies that make the building improvements.

We bridge the gap between analysis and action, helping home owners realize the energy savings potential of their homes.

Incentives for deeper savings

Home MPG 'bonus' incentives:

- Insulation incentive up to \$5k from \$2k
- Only for 'best in class' heating equipment
- Support 'fuel switch' from oil & propane to heat pumps or biomass

Local Outreach

Coordinated by Pioneer Valley Planning Commission

- Neighborhood outreach – 158 events
- 593 customer leads from local outreach
- Includes ‘concierge’ service for home-owners

HomeMPG Outreach Tracking Overview www.homempg.net MEDIA OUTREACH						
	Website	TV Ads/coverage	Newspaper Ads/coverage	Radio Ads/coverage	Direct Phone Calls	Social
Oct 2012	Update HomeMPG.net weekly to include updates on program and relevant events associated with it. Include retrofit numbers and overall energy savings achieved. Track # of visits.	Work with municipal contacts and homeowners who have received HEAs and implemented retrofit work or replacement appliances to submit ‘testimonials’ via letters to the editors and/or interviews in newspapers, tv, radio, blogs, etc.	Purchase ad space in community newspaper			
Nov 2012		Deliver PowerPoint Presentation to air on Cable Access TV. Collaborate with MA DOER on major media event with the Commissioner of the Executive Office of Environmental Affairs to secure broad visibility for program—highlighting INCREASED FINANCIAL incentives for a pilot communities.	Develop article in news/d format for Chambers of Commerce and advocacy organization (p up-ed article for news)			
Dec 2012		Follow up emails and phone calls to the community to see if ads were seen and effective	Continue developing ads newspaper. Make minor revisions necessary.			
Jan 2013						
Feb 2013		follow up ad				
Mar 2013				Continue to update and submit article op-ed pieces.		
April 2013			Follow up emails and phone calls to the community to see if ads were seen and effective	Continue developing ads for newspaper		



0% interest HEAT loans



For Homeowners

For Professionals

About

FAQ

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[« Back to home page](#)

Explore Financing and Incentives

To help with the upfront cost of energy efficiency home improvements, Mass Save and Home MPG offer various rebates and incentives. Available rebates and incentives may include:

- 75% up to \$2000 toward the installation of approved insulation improvements
- No-cost targeted air sealing
- Generous rebates on qualifying energy-efficient heating and hot water equipment
- The opportunity to apply for 0% financing for eligible measures through the HEAT loan program. The following local banks are HEAT loan providers:
 - Country Bank
 - Hampden Bank
 - Monson Savings Bank

For more information about Mass Save rebates and incentives, [click here](#).

For required HEAT loan forms and other HEAT loan providers, [click here](#).



Monson Savings

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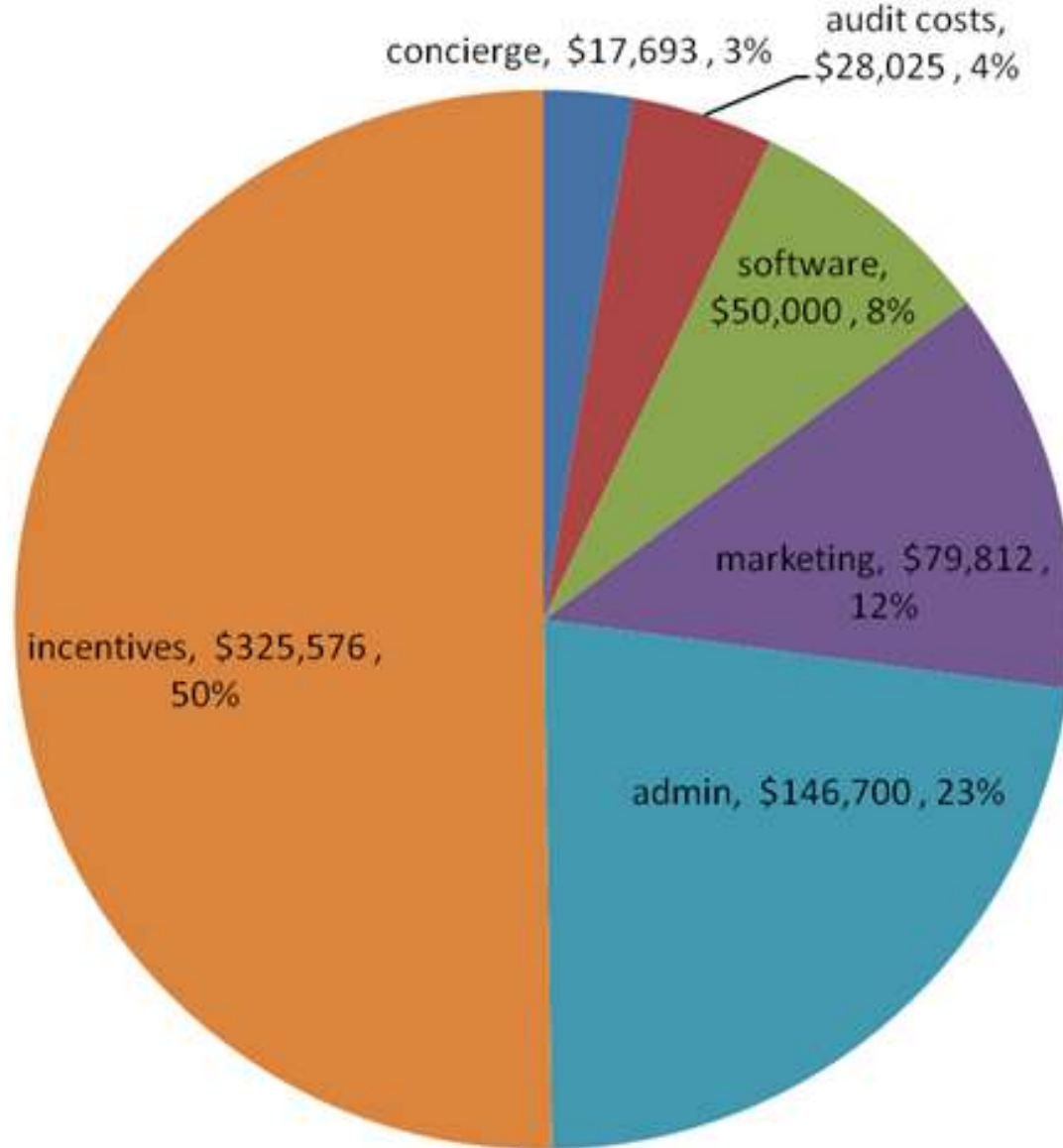


Results (thru Dec 2013)

- 3036 Scorecards delivered
- 1450 retrofit projects initiated
- 1281 insulation upgrades
- Audits demand and Conversion rate increased

HomeMPG Lead Vendors

through 12/2013





Next Steps

- Realtor and Home Appraiser Trainings
- Low Income mini-pilot with Heat Pumps
- Springfield pilot concludes March 31st
- Pilot with City of Worcester and potentially elsewhere in the state.