

HOME ENERGY RATERS' GUIDE TO THE MASS SAVE TIER 1 ALL-ELECTRIC HOMES INCENTIVE PROGRAM:

This is a simple guide to assist you and your sub-contractors in navigating the new Mass Save All-Electric Homes Incentive Program. We have found that in most cases the package below meets or exceeds the program requirements as well as offers a chance to receive additional Alternative Energy Credit money. Both opportunities are completely facilitated by Home Energy Raters. All you need to do as a builder is call our office at **508-833-3100**.

There are 5 requirements to receive the \$15,000 (Tier 1) incentive:

Glazing performance must be discussed before placing any window orders. Typically, triple-glazed or a double glazed with a 0.25 or less U value will be needed.

- 1. Must use all air-source heat pumps for heating, cooling, and hot water and they must be on the Mass Save Heat Pump Qualified List. We strongly suggest using one of these models for centrally ducted systems:**
 - Mitsubishi – Outside Unit SUZ-KA12NA2 with SVZ-KP12NA* (Centrally Ducted Unit)
 - Mitsubishi – Outside Unit SUZ-KA18NA2 with SVZ-KP18NA* (Centrally Ducted Unit)
 - Mitsubishi – Outside Unit MXZ-SM36NAMHZ with the multi-zone ducted system inside
 - LG - Outside Unit # LMU361HHV with Inside Ducted Units
 - Fujitsu – Outside Unit AOUH30LUAH1 with ARUH30LUAS
 - Fujitsu – Outside Unit AOUH36LMAH1 with AMUG36LMAS
 - Fujitsu – Outside Unit AOUH48LMAH1 with AMUG48LMAS

We are looking for an HSPF2 of 10 or higher ideally, but in most homes and HSPF2 of 9.5 or higher can still achieve HERS 45 .

- 2. Must have a balanced ventilation system with an indoor air quality monitoring system installed – we strongly suggest using one of these options:**
 - Broan AI Series ERV (Multiple size options)
 - Fantech ERV - Model # FIT70E
 - Twin Fresh Expert In-Wall ERV
 - Zender Comfort Vent Q350 ERV

It is important to remember that the ERV does not need to be sized to meet the entire ASHREA 62.2 standard and exhaust-only bath fans can be used in conjunction. We are trying to value engineer this, not spend more!

- 3. The infiltration rate must be under 1.5 ACH (blower door test)**

One of the easiest and most affordable ways to reach this infiltration rate is to use AeroBarrier to seal the building envelope after sheetrock and plaster, but before any finishes go in. To schedule this, you can call New England Air Barrier at 508-927-1953.

- 4. Must get a HERS score under 45 or a UDRH score of 30% or better** (ask if you need an explanation of the difference for these two metrics)
- 5. Must provide Home Energy Raters with a copy of your room-to-room Manual J calculation** (If you do not have one, we can provide you with one for a fee of \$350. Please call the office at 508-833-3100 to set this up.)
- 6. The home must be “Electric Vehicle Ready”** (ask if you need more explanation of the exact setup for this)

**** There is a \$25,000 (Tier 2) incentive available, but it is very difficult to achieve and, in most cases, does not make financial sense for a spec or affordable budget home. There is an additional fee to help get to this level. ****

Payment of the preliminary invoice acknowledges the Terms and Conditions set forth by the Sponsors of Mass Save®. No one party guarantees any level of incentive at any time. Compliance falls on the builder/owner and verification of the as-built home will be provided by the HERS rater. The All-Electric Homes Program is holistic; installation of the prescriptive items does not necessarily guarantee compliance.