

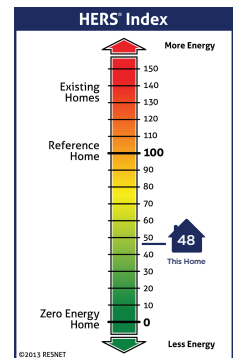
The Massachusetts Stretch Energy Code at a Glance

This document applies to new one- and two-family dwellings, townhouses, and dwelling units in R-use buildings four stories or less. Alterations, renovations, additions or repairs to existing buildings are exempt from the stretch energy code and are only required to comply with IRC Sections N1107 – N1111 for matters relating to energy efficiency. All compliance paths must meet all mandatory requirements found on page two of this document.

Path 1

Energy Rating Index Compliance Alternative

- A **Home Energy System (HERS) Rating** must be completed by a certified HERS Rater for all new construction
- Homes without onsite renewable energy systems must achieve a **HERS Index score of 55 or less**
- Homes with onsite renewable energy systems are allowed a 5- to 12-point increase in maximum HERS Index depending on the type and number of systems. See Table N1106.4.1 for more detail
- Documentation:
 - Preliminary HERS report for permit
 - Final HERS report and software-generated Energy Code Checklist for C.O.



Path 2

ENERGY STAR® Certified New Homes

- The home must receive a certification from the **EPA's ENERGY STAR Certified New Homes Program, Version 3.1.**
- The program requires verification to be performed by a Home Energy System (HERS) Rater
- Documentation:
 - Preliminary HERS report for permit
 - ENERGY STAR Homes certificate, Final HERS Report, and Thermal Enclosure Checklist for C.O.



Path 3

Passive House

- Home must be designed to have a **specific heat demand of ≤ 10 kBtu/sqft/year** as documented via PHIUS- or PHI-approved software
- Home is constructed in accordance with the software inputs
- Software modeling and onsite verification by a **Certified Passive House Consultant**
- Documentation:
 - List of compliance features and statement indicated modeled specific heat demand for permit
 - Final report documenting compliance with current PHIUS or PHI standards and indicates that the finished building's specific space heat demand is < 10 kBtu/sqft/year



Energy Code Questions? Call **855-757-9717** or email **energycodesma@psdconsulting.com**



All Paths

Mandatory requirements

- Certificate (N1101.14)
- Air leakage (N1102.4)
- Controls (N1103.1)
- Duct sealing (N1103.3.2)
- Duct testing (N1103.3.3)
- Building cavities (N1103.3.5)
- Mechanical system pipe insulation (N1103.4)
- Heated water circulation and temperature maintenance systems (N1103.5.1)
- Mechanical ventilation (N1103.6)
- Equipment sizing and efficiency rating (N1103.7)
- Systems serving multiple dwelling units (N1103.8)
- Snow melt and ice system controls (N1103.9)
- Pools and permanent spas (N1103.10)
- Portable spas (N1103.11)
- Lighting equipment (N1104.1)

Learn More at MassSave.com/EnergyCode

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