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RENEWABLE ENERGY CODE PROVISIONS

Commercial

Solar-Ready Requirements

These provisions require the building to demonstrate readiness for future installation of on-site renewable energy systems.

- NEEP model stretch code: requires buildings to demonstrate readiness for a system generating ≥13 BTU/hr▪ft^2 multiplied by total roof area, including documentation on the building plans showing allocated space for the system infrastructure.
- 2015 IECC: CE328 was a defeated proposal based on the NEEP stretch code provision above (which was, in turn, based on ASHRAE 189.1-2009), with only minor editorial changes.
- ASHRAE 189.1-2011: requires the building to demonstrate readiness for a system generating ≥6 kBTU/ft^2 (for 1-story buildings) or ≥10 kBTU/ft^2 (all for others), multiplied by total roof area. A prescriptive alternative of installing such a system is also provided.

Optional On-Site Generation Requirements

The installation of a renewable energy system is one of three compliance options provided in a prescriptive Additional Efficiency section. The Additional Efficiency section was first developed for the Massachusetts stretch code.

- 2012/2015 IECC: (if chosen) requires the system to produce ≥3% of the regulated load. (Note: The 2015 IECC will have three more compliance package options [for a total of six], none of which deal with renewable energy).
- NEEP model stretch code: (if chosen) requires the system to produce ≥5% of the regulated load with on-site solar/wind, or provide 50% of heating/cooling loads with on-site biomass.

Required Renewable Energy Systems

- IgCC: A renewable energy system capable of producing ≥2% of the regulated load must be installed. Prescriptive options (PV, wind, solar SWH) are included along with the basic performance path.

Residential

Solar Ready Requirements

- 2015 IECC: RE9, a proposal approved as modified by public comment 2, adds a non-required appendix to the 2015 IECC. If a locality chooses to make it mandatory, it would require the building to demonstrate readiness for a system ≥300 ft^2 in size (or ≥150 ft^2 for single family townhouses with floor area ≤2000 ft^2).

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