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 $\geq 13$ 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 $\geq 6$ kBTU/ft$^2$ (for 1-story buildings) or $\geq 10$ 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 $\geq 3\%$ 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 $\geq 5\%$ 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 $\geq 2\%$ of the regulated load must be installed. Prescriptive options (PV, wind, solar SWH) are included along with the basic performance path.

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**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 $\geq 300$ ft$^2$ in size (or $\geq 150$ ft$^2$ for single family townhouses with floor area $\leq 2000$ ft$^2$).

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