

IECC Residential

ICC Online Voting guide - 2019 Group B

AS - Support proposal **As Submitted** to IECC (as proposed in January)

AM - Support proposal **As Modified** by IECC committee (during hearings in Spring)

**RESIDENTIAL
ENERGY CODE**

11-20-19

D - Disapprove the proposal

AMPC - Support proposal **As Modified by Public Comment** (amended during hearings in Oct)

Proposal #	Recommended Vote	Topic	Proposal summary	Notes
RE7	AMPC	Lighting	Updated lighting definition (more LEDs)	Similar to definition in MA amended IECC2018
RE10	Disapproved	Definitions	Adds residential unit Sampling definition	Step away from testing/inspecting every home
RE18	AMPC	Documentation	Adds Solar info. on home certificate	Provides info. on solar on home if applicable
RE20	AMPC	Documentation	Adds building Code version (e.g. IECC2021) on certificate	Lists code version built to: e.g. IECC2015
RE21	As Submitted	Documentation	Adds ERI (HERS rating) on certificate	Similar to MA amended IECC2015 & 2018
RE26	Disapproved	Insulation	F-factor in table to allow adding slab trade-offs	Adds F-factors to allow trade-off in REScheck
RE27	As Submitted	Insulation	Continuous Insulation option all zones, plus cavity only zones 6-8	More options for insulation
RE29	As Submitted	Insulation	improved wall insulation, zones 4 & 5	Saves energy & cost-effective (MA climate zone)
RE32	As Submitted	Insulation	improved slab insulation, zones 3-5	Saves energy & cost-effective (MA climate zone)
RE33	As Submitted	Insulation	improved ceiling insulation, zones 2-3	Saves energy and is cost-effective
RE34	AM	Insulation	Removes loophole - footnote g in insulation table - zones 5-8	Saves energy & cost-effective (MA climate zone)
RE35	AMPC	Windows	Improved window insulation U-value, zones 2-4	Saves energy and is cost-effective
RE36	As Submitted	Insulation	improved Ceiling insulation, zones 4-8	Saves energy & cost-effective (MA climate zone)
RE37	As Submitted	Windows	Zone 5, adds solar heat gain requirement SHGC 0.40	Saves peak energy & cost-effective (MA zone)
RE39	Disapproved	Trade-offs	Trade-off in prescriptive path - windows/walls	
RE40	Disapproved	Insulation	Allows less insulation: R18 instead of R20 with framing factor	Roll-back of wall insulation in northern climates
RE43	Disapproved	Testing	Sampling method for ERI	Roll-back from current test for every home
RE47	Disapproved	Insulation	Reduces insulation for stair access hatches, zones 1-4 (prescriptive)	
RE49	AMPC	Insulation	Clarifies language for loose-fill insulation around doors	
RE50	AMPC	Materials	Allows use of wood as structural alternative to concrete or steel	Embodied carbon and economic benefits for NE
RE51	AMPC	Insulation	clean up of table on steel frame equivalents	
RE54	As Submitted	Insulation	Clarifies basement insulation language	
RE57	Disapproved	Insulation	path	RESNET 301 language needs to be updated first
RE59	AM	Insulation	Clarifies basement insulation	

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RE60	AMPC	Insulation	Clarifies mandatory and prescriptive options for slab insulation	
RE61	Disapproved	Insulation	Crawl space walls - language unclear	Public comment was good, but didn't pass
RE63	Disapproved	Insulation	Air spaces - language change similar to commercial	Public comment was good, but didn't pass
RE66	As Submitted	Insulation	clean up of table on insulation (mandatory)	
RE67	As Submitted	Insulation	clean up of table on insulation (mandatory)	
RE68	As Submitted	Air sealing	Clarifies air sealing of plumbing and wiring penetrations	
RE71	As Submitted	Air sealing	Improves air-sealing of garage to home connections	
RE73	AMPC	Air sealing	clarifies Insulation on shafts and penetrations, improves air-sealing	
RE74	AMPC	Air sealing	clarifies language on basement & crawl space air-sealing in table	
RE75	AMPC	Insulation	clarifies language on insulated floors	
RE79	As Submitted	Air sealing	clarifying language on HVAC register air sealing	
RE80	AMPC	Air sealing	clarifying language on air sealing around Electrical boxes, etc	
RE81	AMPC	Air sealing	Adds language on air barriers around fireplaces	
RE84	AMPC	Air sealing	Adds clarifying language around wall air sealing	
RE85	As Submitted	Air sealing	Adds clarifying language around envelope air sealing	
RE94	As Submitted	Air sealing	Adds Garage separation air barrier testing	
RE95	Disapproved	Testing	Batch sampling for air leakage testing	
RE102	Disapproved	Testing	Requires using ASTM E779 - allows zone or unit, & guarding testing	
RE106	AMPC	Heating/cooling	Updates language for programmable thermostats	
RE107	AMPC	Heating/cooling	Removes continuous pilot lights from gas appliances	
RE109	AMPC	Heating/cooling	Improves duct insulation for ducts inside the home	
RE110	Disapproved	Heating/cooling	Removes duct insulation for ducts inside the home	
RE112	As Submitted	Testing	Requires duct testing	Prescriptive path
RE116	Disapproved	Testing	Requires duct testing for total leakage & leakage outdoors	Prescriptive path
RE117	As Submitted	Testing	Clarifies how to test without air handler in place	
RE119	Disapproved	Testing	Adds duct testing alternative (Loophole)	
RE121	Disapproved	Testing	Back sampling for duct leakage testing	
RE126	As Submitted	Water heating	Water heating improvement in efficiency	
RE130	As Submitted	Ventilation	Requires testing of ventilation systems except kitchen venting	
RE132 Pt1	AM	Ventilation	Clarifies language on mechanical ventilation requirement	ventilation
RE132 Pt2	AM	Ventilation	Clarifies language on mechanical ventilation requirement	
RE136	AMPC	Ventilation	Requires fans to be tested at a certain static pressure	
RE139	As Submitted	Ventilation	Heat recovery ventilation in zones 7-8	Comfort and energy efficiency

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RE145	As Submitted	Lighting	Adds occupancy sensors for bathrooms, laundry, utility rooms	Lighting efficiency
RE147	As Submitted	Electrification	cookers	Future electrification
RE148	AMPC	Lighting	Requires MF to comply with exterior lighting	
RE151	As Submitted	Insulation	IECC2009 backstop for homes built to R405 performance path	
RE153	Disapproved	Modeling	Updates source energy factor to an out-of-date # for R405	
RE154	As Submitted	Modeling	Updates source energy factor, adds site energy option in R405	
RE155	As Submitted	Modeling	Removes source energy path from R405 performance path	
RE156	Disapproved	Solar	Allows PV as energy reduction in R405 - trading EE for Solar PV	
RE157	As Submitted	Testing	Clean up of batch sampling language in R405 performance path	
RE165	Disapproved	Modeling	Default duct system calculator for R405	
RE166	Disapproved	Modeling	Water heating baseline simplified calc. for R405	
RE171	Disapproved	Modeling	Sets an easy duct baseline for R405	
RE176	Disapproved	Trade-offs	Adds trade-offs for HVAC, based on fed. Min standards	
RE178	As Submitted	Ventilation	Corrects penalty for balanced ventilation systems in R405	
RE182	As Submitted	Insulation	Requires 2018 level min. insulation (previously 2015) in ERI path if installing Solar PV	
RE184	As Submitted	Insulation	Limits the credit for solar PV to 5% of the ERI path to ensure high insulation levels	Similar to MA HERS rating approach to solar PV
RE186	As Submitted	HERS rating	Changes RESNET 301 ERI ventilation language to match IRC and IMC Tables	Difference from EECC who recommend disapproval
RE190	Disapproved	HERS rating	Allows solar loophole in the ERI ratings, reducing insulation	
RE192	As Submitted	HERS rating	Updates ERI ratings from 61-55, big improvement in efficiency	Return to more efficient IECC2015 #, used in MA
RE194	Disapproved	HERS rating	Requires storage with PV in ERI path, if state RPS over 50%	Unnecessary, maybe CA and HI in a few years
RE195	Disapproved	HERS rating	Removes incentive for Solar PV below state minimum (e.g. CA)	
RE196	Disapproved	HERS rating	Weakens envelope backstop from 2015 to 15% weaker than 2021	
RE202	AMPC	Documentation	Requires showing ERI compliance on the compliance submittal	In MA amendments since 2015
RE204	As Submitted	Solar	Requires RECS to be retired when PV is used for code compliance	
RE206	As Submitted	Additional EE	5 point points system for additional energy efficiency	
RE207	As Submitted	Additional EE	10 point points system for additional energy efficiency	
RE208	Disapproved	Trade-offs	3% trade-off options, long list of options allows negative points	
RE209	As Submitted	Additional EE	Additional section R407 (Similar to MA IECC2018 amendments)	
RE210	Disapproved	HERS rating	Appendix with a glide path in ERI ratings to 0 over 7 code cycles	
RE212	Disapproved	HERS rating	Existing buildings ERI alternative based on blower door	

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RE217	Disapproved	Insulation	Allows lower insulation levels in roof replacements	
RE223	AMPC	Net Zero	Allows net-zero appendix for community adoption - with onsite PV or community solar	
RE224 Pt1	Disapproved	Compliance path	ASHRAE 90.2 as an optional appendix	90.2 is not yet finished
RE224 Pt2	Disapproved	Compliance path	ASHRAE 90.2 as an optional appendix	90.2 is not yet finished

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