

# 2021 IECC

## Energy-Efficient Codes Coalition 2021 IECC Voters Guide

Thank you for doing your part to significantly strengthen the 2021 International Energy Conservation Code! This document outlines the most important energy efficiency and climate proposals—those that have the greatest potential to reduce energy use and carbon emissions in residential and commercial buildings by at least 10%.

We think all of these are important for your vote. If your time is limited, please focus on the priority proposals in the rows that are **bold and highlighted**. A **GREEN PROPOSAL NUMBER** indicates a vote to approve the proposal under consideration, which might be As Submitted (AS), As Modified by Committee (AM) or As Modified by Public Comment (AMPC). A **RED PROPOSAL NUMBER** indicates a vote to disapprove the proposal.

### Code Change Proposal and Vote Brief Residential Proposal Description

<input type="checkbox"/>	<b>RE7</b>	<b>AMPC1</b>	<b>Increases lighting efficiency</b>
<input type="checkbox"/>	<b>RE10</b>	<b>D</b>	Adds definition for sampling
<input type="checkbox"/>	<b>RE20</b>	<b>AMPC1</b>	Provides more information about code edition and compliance path
<input type="checkbox"/>	<b>RE21</b>	<b>AS</b>	Requires certificates include heating, cooling equipment sizing and Energy Rating Index scores
<input type="checkbox"/>	<b>RE29</b>	<b>AS</b>	<b>Improves wall insulation in Climate Zones 4 and 5</b>
<input type="checkbox"/>	<b>RE32</b>	<b>AS</b>	<b>Adds slab insulation in Climate Zones 3, improves performance in Climate Zones 4 and 5</b>
<input type="checkbox"/>	<b>RE33</b>	<b>AS</b>	<b>Improves ceiling insulation in Climate Zones 2 and 3</b>
<input type="checkbox"/>	<b>RE34</b>	<b>AM</b>	<b>Eliminates floor insulation loophole in Climate Zones 5, 6, 7, and 8</b>
<input type="checkbox"/>	<b>RE35</b>	<b>AMPC1</b>	<b>Improves window efficiency in Climate Zones 3 and 4</b>
<input type="checkbox"/>	<b>RE36</b>	<b>AS</b>	<b>Improves ceiling insulation in Climate Zones 4 - 8</b>
<input type="checkbox"/>	<b>RE37</b>	<b>AS</b>	<b>Improves window thermal performance in Climate Zone 5</b>
<input type="checkbox"/>	<b>RE40</b>	<b>D</b>	<b>Weakens wall insulation based on framing factor</b>
<input type="checkbox"/>	<b>RE43</b>	<b>D</b>	Adds sampling for testing and inspections
<input type="checkbox"/>	<b>RE95</b>	<b>D</b>	Adds sampling for air leakage testing
<input type="checkbox"/>	<b>RE102</b>	<b>D</b>	Creates a loophole for multifamily leakage testing
<input type="checkbox"/>	<b>RE110</b>	<b>D</b>	Removes duct sealing requirements
<input type="checkbox"/>	<b>RE112</b>	<b>AS</b>	<b>Requires duct testing</b>
<input type="checkbox"/>	<b>RE116</b>	<b>D</b>	Changes requirements and adds exemption for duct testing
<input type="checkbox"/>	<b>RE117</b>	<b>D</b>	Changes requirements and adds exemption for duct testing
<input type="checkbox"/>	<b>RE119</b>	<b>D</b>	<b>Changes duct testing conditions, may increase air leakage</b>
<input type="checkbox"/>	<b>RE121</b>	<b>D</b>	Adds sampling for duct testing
<input type="checkbox"/>	<b>RE126</b>	<b>AS</b>	Encourages higher efficiency water heating sources
<input type="checkbox"/>	<b>RE139</b>	<b>AS</b>	<b>Requires balanced heat recovery or energy recovery ventilation in Climate Zones 7 and 8</b>
<input type="checkbox"/>	<b>RE145</b>	<b>AS</b>	Requires dimmers on some lighting fixtures
<input type="checkbox"/>	<b>RE147</b>	<b>AS</b>	<b>Requires electric circuits and receptacles near gas- and propane- equipment</b>
<input type="checkbox"/>	<b>RE148</b>	<b>AM PC1 and PC2</b>	Closes loophole for exterior lighting in multifamily

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<input type="checkbox"/> <b>RE151 AS</b>	<b>Adds performance path thermal envelope backstop</b>
<input type="checkbox"/> <b>RE156 D</b>	<b>Creates trade-off that allows efficiency reductions in buildings with renewable energy</b>
<input type="checkbox"/> <b>RE157 AS</b>	Removes loophole by deleting reference to sampling
<input type="checkbox"/> <b>RE165 D</b>	Creates efficiency loophole for ducts within the home
<input type="checkbox"/> <b>RE166 D</b>	Changes energy modeling for water heating
<input type="checkbox"/> <b>RE171 D</b>	Changes energy modeling for HVAC distribution systems
<input type="checkbox"/> <b>RE176 D</b>	<b>Creates thermal envelope trade-off for minimum-efficiency equipment</b>
<input type="checkbox"/> <b>RE182 AS</b>	<b>Improves Energy Rating Index envelope backstop in homes built with renewables</b>
<input type="checkbox"/> <b>RE184 AS</b>	<b>Limits potential Energy Rating Index efficiency trade-off for renewable energy</b>
<input type="checkbox"/> <b>RE186 D</b>	Creates efficiency rollback for homes built under the Energy Rating Index path
<input type="checkbox"/> <b>RE190 D</b>	Eliminates Energy Rating Index compliance path thermal envelope backstop
<input type="checkbox"/> <b>RE192 AS</b>	<b>Lowers Energy Rating Index values</b>
<input type="checkbox"/> <b>RE196 D</b>	Weakens ERI compliance path thermal envelope backstop
<input type="checkbox"/> <b>RE204 AS</b>	Requires renewable energy credits are retained or retired by homeowners
<input type="checkbox"/> <b>RE208 D</b>	<b>Creates equipment trade-off scheme</b>
<input type="checkbox"/> <b>RE209 AS</b>	<b>Creates Flex Points Package option to give builders options, provide flexibility, and deliver 5% energy savings</b>
<input type="checkbox"/> <b>RE217 D</b>	<b>Creates exemption from insulation in roof replacement</b>
<input type="checkbox"/> <b>RE223 AMPC2</b>	<b>Provides jurisdictions with an optional net-zero energy homes appendix without sacrificing efficiency</b>
<input type="checkbox"/> <b>RE224 I &amp; II D &amp; D</b>	Adds ASHRAE 90.2 stretch codes appendix

Code Change Proposal and Vote	Brief Commercial Proposal Description
<input type="checkbox"/> <b>CE1 I &amp; II D &amp; D</b>	Expands IECC scope beyond efficiency and creates potential trade-offs
<input type="checkbox"/> <b>CE2 D</b>	Expands IECC scope beyond efficiency and adds confusing definitions
<input type="checkbox"/> <b>CE3 I &amp; II D &amp; D</b>	Expands IECC scope beyond efficiency and applies rigid cost-effectiveness requirements
<input type="checkbox"/> <b>CE5 I &amp; II D &amp; D</b>	Expands IECC scope beyond efficiency and adds competing priorities
<input type="checkbox"/> <b>CE6 I D</b>	Expands IECC scope beyond efficiency and adds other priorities
<input type="checkbox"/> <b>CE7 I &amp; II D &amp; D</b>	Expands IECC scope beyond efficiency and includes energy production and storage
<input type="checkbox"/> <b>CE9 II AS</b>	Adds energy conservation to alternative compliance path considerations
<input type="checkbox"/> <b>CE12 II AS</b>	<b>Requires efficiency backstop for above-code programs</b>
<input type="checkbox"/> <b>CE21 AMPC1</b>	Clarifies bio-gas and biomass definitions to renewable energy definition
<input type="checkbox"/> <b>CE35 AM</b>	<b>Clarifies wall, above-grade definitions and improves insulation</b>
<input type="checkbox"/> <b>CE43 D</b>	Adds unclear and unenforceable compliance option for data centers
<input type="checkbox"/> <b>CE44 AMPC2</b>	Creates compliance option for some multifamily units
<input type="checkbox"/> <b>CE49 AS</b>	<b>Improves performance path energy efficiency</b>
<input type="checkbox"/> <b>CE54 II D</b>	Weakens efficiency in buildings built in tropical zone
<input type="checkbox"/> <b>CE55 AS</b>	Requires that certificates include thermal envelope measures and scores
<input type="checkbox"/> <b>CE56 AS</b>	Adds minimal efficiency requirements for greenhouses
<input type="checkbox"/> <b>CE57 D</b>	Exempts utility buildings from envelope requirements
<input type="checkbox"/> <b>CE61 AS</b>	<b>Improves roof insulation in Climate Zones 4, 5, 6, 7, and 8</b>

Code Change Proposal and Vote	Brief Commercial Proposal Description
<input type="checkbox"/> <b>CE63 AS</b>	<b>Improves above-grade wall insulation in Climate Zones 4, 5, 6, 7, and 8</b>
<input type="checkbox"/> <b>CE64 AS</b>	<b>Improves below-grade wall insulation in Climate Zones 4, 5, 6, 7, and 8</b>
<input type="checkbox"/> <b>CE65 AS</b>	<b>Corrects joist-framing insulation error in Climate Zone 1</b>
<input type="checkbox"/> <b>CE66 AS</b>	<b>Improves floor insulation in Climate Zones 4, 5, 6, 7, and 8</b>
<input type="checkbox"/> <b>CE68 AS</b>	<b>Corrects roof insulation error in Climate Zone 1</b>
<input type="checkbox"/> <b>CE69 AS</b>	<b>Improves slab edge insulation in Climate Zones 7 and 8</b>
<input type="checkbox"/> <b>CE73 AS</b>	Corrects roof insulation error in Climate Zone 1
<input type="checkbox"/> <b>CE75 AS</b>	Corrects wall insulation error in Climate Zone 5 and 7
<input type="checkbox"/> <b>CE79 AM</b>	Reorganizes and reclassifies current slab-on-grade insulation requirements
<input type="checkbox"/> <b>CE80 AS</b>	Designates airspace requirements as mandatory
<input type="checkbox"/> <b>CE93 I D</b>	Creates storm shelter fenestration loophole
<input type="checkbox"/> <b>CE96 AM</b>	<b>Adds air leakage testing requirement in multifamily</b>
<input type="checkbox"/> <b>CE97 AM</b>	<b>Adds air leakage testing requirement for more buildings</b>
<input type="checkbox"/> <b>CE99 AM</b>	<b>Requires air barrier verification certification</b>
<input type="checkbox"/> <b>CE104 D</b>	Creates equipment room insulation loophole
<input type="checkbox"/> <b>CE111 AM</b>	<b>Requires fault detection for large heating and cooling systems</b>
<input type="checkbox"/> <b>CE140 AMPC1</b>	<b>Requires efficient fans in multifamily buildings</b>
<input type="checkbox"/> <b>CE150 I &amp; II D &amp; D</b>	Requires removable protective barrier on piping insulation and lowers efficiency
<input type="checkbox"/> <b>CE162 AM</b>	<b>Increases lighting efficiency on some fixtures</b>
<input type="checkbox"/> <b>CE181 AMPC1</b>	Adds manual option for lighting controls
<input type="checkbox"/> <b>CE199 AMPC1, PC2, PC3</b>	<b>Requires lighting controls for parking garages</b>
<input type="checkbox"/> <b>CE209 AM</b>	<b>Requires efficient lighting for plant growth in buildings</b>
<input type="checkbox"/> <b>CE215 AM</b>	Establishes energy monitoring system requirements
<input type="checkbox"/> <b>CE216 AM</b>	<b>Adds automatic plug load control requirements</b>
<input type="checkbox"/> <b>CE217 I, II AM, AS</b>	<b>Makes buildings electric vehicle ready</b>
<input type="checkbox"/> <b>CE218 AM</b>	<b>Gives builders points-based options, adds flexibility, and delivers 2.5% energy savings</b>
<input type="checkbox"/> <b>CE219 AS</b>	Increases points-based compliance option efficiency
<input type="checkbox"/> <b>CE220 AS</b>	Increases points-based compliance option efficiency
<input type="checkbox"/> <b>CE226 AM</b>	<b>Adds multifamily lighting to the points based options</b>
<input type="checkbox"/> <b>CE240 AS</b>	Adds efficient kitchen equipment to the points based option
<input type="checkbox"/> <b>CE247 AS</b>	Updates performance path assumptions for above-grade walls
<input type="checkbox"/> <b>CE256 D</b>	Creates unneeded exception for roof insulation replacement in existing buildings
<input type="checkbox"/> <b>CE261 AS</b>	Revises change-of-occupancy or use requirements
<input type="checkbox"/> <b>CE262 AS</b>	Adds energy storage system space in solar-ready zone appendix
<input type="checkbox"/> <b>CE263 I,II,III D, D, D</b>	Creates new appendix that requires solar without efficiency
<input type="checkbox"/> <b>CE265 D</b>	Adds option to trade off on-site energy storage systems for efficiency

For a more complete summary and discussion of IECC's recommendations on these and other proposals, see the [Detailed IECC Online Voting Guides](#). For questions, comments and more information, please contact:

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