

# EECC

Energy Efficient Codes Coalition



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## **EECC FINAL ACTION HEARING VOTING RECOMMENDATIONS**

**EECC has carefully reviewed and evaluated each of the energy-related code proposals before the ICC’s Final Action Hearings to determine if the proposal improves energy efficiency under the code. Our voter’s guide to achieve the maximum boost in energy efficiency in the 2009 version of the IECC and IRC is detailed in the table below.**

Our recommendations are listed in the order of the ICC’s August 25<sup>th</sup> Final Action Hearing agenda. Because this order may change, it is important to keep close tabs on the actual code proposal number being heard.

The process for considering proposals is complicated and careful attention must be paid to the motion on the floor in order for Governmental Members to ensure that their votes are cast correctly. A brief explanation of this process follows:

- Earlier this year, the Code Development Committees made recommendations on each proposal. Accepting their recommendation is the “standing motion” – in other words, the starting point for debate at the Final Action Hearings is whether to accept or overturn the Development Committee recommendation.
- After the Committee’s recommendations were published, interested stakeholders filed “public comments.” These are, in essence, amendments that request overturning the Committee decision and/or propose modifications. We refer to these “public comments” below as “PC 1” or “PC 2” etc.

**Supporting the Committee recommendation is easy – Simply vote “yes” on the Standing Motion and “no” vote on all other motions.**

**Example #1:** To support the Committee’s Disapproval of RE2 Parts 1 and 2 – as EECC recommends – vote “YES” in favor of the standing motion for Disapproval.

**Example #2:** To support the Committee’s approval of EC 16 “As Submitted” – as EECC recommends – vote “YES” in favor of the standing motion for Approval as Submitted.

**Example #3:** To support the Committee’s approval of EC 26 “As Modified” by the Committee – as EECC recommends – vote “YES” in favor of the Standing Motion for Approval as Modified and “NO” against modifications filed by public comments from other parties.

Adopting the Committee’s recommendations takes a majority vote.

**Many initial proposals recommended for disapproval were significantly improved – including the new version of EC-14/“The 30% Solution” improved by “Public Comment #1” – to address concerns raised**

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by the Committee and other stakeholders. In order to consider these improvements, voting representatives must first “Oppose” the Committee recommendation:

**Example #4:** To support the *new and improved* version of EC-14/“The 30% Solution” (EECC’s comprehensive energy efficiency proposal), you must first vote “NO” to reject the Committee’s narrow 8-6 recommendation disapproving EC-14 *in its original form*. If the Development Committee recommendation does not receive a majority, the floor is then open to consider the proposal as submitted or as modified. At that point, EECC (or someone else) will make a motion to “Approve as Modified” by Public Comment #1 (PC1).

**Vote “YES” on the motion to “Approve EC-14, As Modified by PC1.”** If this motion receives two-thirds, the *new and improved* version of EC-14/“The 30% Solution,” is adopted. If the motion does not receive 2/3 vote, the motion fails. If no affirmative motion receives 2/3 then the proposal is disapproved.

In a few cases, EECC recommends opposing the Committee recommendation to Approve as Submitted:

**Example #5:** To overturn the Committee and disapprove EC-66 – as EECC recommends – vote “NO” on the Standing Motion to approve the proposal as submitted. If the motion to approve As Submitted fails, the moderator will entertain other motions, and the EECC recommends voting in favor of a motion to Disapprove.

**Note: Proposals that contribute to the New & Improved version of “The 30% Solution” are highlighted in Yellow.**

| Prop.             | IECC Standing Motion | IRC Standing Motion | EECC Recommendation |                | Proposal Summary  |
|-------------------|----------------------|---------------------|---------------------|----------------|---|
| <b>IRC-Energy</b> |                      |                     |                     |                |   |
| RE 2              | D                    |                     | Support D           |                | Makes IRC the exclusive energy code for one- and two-family dwellings no more than three stories tall, and applies the IECC commercial provisions to all other buildings. Removes reference to IECC from Chapter 11 of IRC and adds simulated performance alternative to IRC. |
| RE 2 Part 2       |                      | D                   | Support D           |                | Deletes residential sections from IECC.   |
| RE 6              | AS                   |                     |                     |                | Moves mass wall R-values and U-factors into tables.   |
| EC25 Part 2       |                      | AM                  | Oppose AM by Cmtee  | Support D      | Eliminates SHGC requirement for fenestration with projection factor of $\geq 0.50$ .<br><b>PC 1</b> (Oppose) – Clarifies horizontal requirement of overhang.  |
| RE 8              | D                    |                     |                     |                | Requires that all recessed luminaires be IC-rated.  |
| EC 81 Part 2      |                      | D                   | Oppose D            | Support AM PC2 | Requires pool heaters to have readily accessible on-off switch and time switches; requires vapor-retardant pool cover.<br><b>PC 2</b> (Support) – Matches IECC Requirements made by EC82.   |
| EC 84 Part 2      |                      | AM                  | Support AM by Cmtee |                | Requires 50% of lamps to be high efficacy.<br><b>PC 1</b> (Oppose) – Additional details on lighting requirements.   |
| RE 3              | D                    |                     | Oppose D            | Support AS     | Deletes current Chapter 11 of IRC and references IECC for the IRC energy requirements.  |
| <b>IECC</b>       |                      |                     |                     |                |   |
| EC 4              | D                    |                     | Support D           |                | Allows 3 options for determination of U-factor/SHGC: 1) NFRC; 2) AAMA 507; 3) Default table.<br><b>PC 1</b> (Oppose) - limits alternative rating systems to curtain wall and storefront.  |
| EC 6              | AS                   |                     | Support AS          |                | Above Code Programs must comply with IECC mandatory language  |
| EC 9              | D                    |                     | Support D           |                | Redefines "conditioned space" differently for energy purposes and mechanical purposes.  |

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| Prop.        | IECC Standing Motion | IRC Standing Motion | EECC Recommendation                      |  | Proposal Summary   |
|--------------|----------------------|---------------------|--|--|--|
| <b>IECC</b>  |                      |                     |  |  |  |
| EC 14        | D                    |                     | Oppose D                                 | Support AM PC1                         | <b>PC 1</b> (Support) – Revised 30% Full Code package<br><b>PC 2</b> (Oppose) – Alters U-factor & SHGC in zones 1&2 to .65 and .35 (higher than recommended by IECC Committee in EC 16).   |
| EC 154       | D                    |                     | Oppose D                                 | Support AM PC 1                        | <b>PC 1</b> (Support) – EECC Complete proposal (as voluntary appendix).  |
| G 183        | D                    |                     |  |  | Energy use of new structures shall be 50% less than the average building site energy intensity, as compared with buildings with similar occupancy.<br>PC 1 – Amends the energy use reduction from 50% to 20%.  |
| EC 15        | AM                   |                     |  |  | As modified by IECC Committee: R-19 batts compressed into 2x6 cavity, where R-value is reduced by R-1 or more, must be marked for full and compressed R-values.  |
| EC 15 Part 2 |                      | D                   |  |  | PC 1 – Revises Part 2 to match Part 1.   |
| EC 16        | AS                   |                     | Support AS                               |  | Lowers fenestration U-factor in zones 1-4 to .65/.50/.40/.35.<br><b>PC 1</b> (Oppose) - Alters U-factor in zones 2&3 to 0.65 and zone 4 to 0.40 (higher than recommended by IECC Committee in EC 16).  |
| EC 18        | D                    |                     | Support D<br>(assuming EC16 is approved) |  | Lowers fenestration U-factor in zones 2&3 to 0.55, but allows higher U-factor for impact rated glazing.<br><b>PC 1</b> (Oppose) – Alters U-factor in zones 2, 3, & 4 to .65/.50/.35, alters exception to apply only to fenestration complying with IRC Section R301.2.1.2.<br><b>PC 2</b> (Oppose) – Alters U-factor in zone 2 to 0.65, keeps impact rated glazing exception.<br><b>PC 3</b> (Oppose) – Alters U-factor in zones 2, 3 & 4 to .65/.50/.38, alters exception to apply only to fenestration complying with IBC Section 1609.1.2.<br><b>If EC16 is disapproved, then support PC 1 as a fallback.</b>   |
| EC 18 Part 2 |                      | AM                  | Oppose AM by Cmtee                       | Support AM PC 3 or AM PC 2 as fallback | As modified by IRC Committee: Lowers U-factor in zones 2 & 3 to .65/.55, but allows U-factor of 1.20 for impact rated fenestration in zone 2.<br><b>PC 1</b> (Oppose) – Lowers U-factor in zones 2, 3 & 4 to .65/.50/.35, but allows impact rated glazing in zones 2 & 3 to have U-factor .75/.65.<br><b>PC 2</b> (Support if PC 3 fails) – Lowers U-factor in zones 2 & 3 to .50/.40 (no exception for impact rated glazing).<br><b>PC 3</b> (Support) – Lowers U-factor in zones 1, 2 & 3 to .65/.50/.40/0.35 (no exception for impact rated glazing).<br><b>PC 4</b> (Oppose) – Lowers U-factor in zones 1-4 to .65/.50/.40/.35, but allows impact rated glazing in zones 2 & 3 to have U-factor .75/.65. |
| EC 21        | D                    |                     | Support D                                | Support AM PC 4                        | Original proposal: Lowers fenestration U-Factor in zones 6-8 to 0.32, but allows 0.35 if SHGC ≥ 0.45.<br><b>PC 3</b> (Oppose) – Lowers U-factor in zones 6-8 to 0.32, but allows 0.35 if SHGC ≥ 0.45 and no more than 110 sq. ft. glazing face west.<br><b>PC 4</b> (Support) - Lowers U-Factor in zones 6-8 to 0.32 (no exception for high SHGC).   |
| EC 21 Part 2 |                      | D                   | Support D                                | Support AM PC 4                        | <b>PC 3</b> (Oppose) – Lowers U-factor in zones 6-8 to 0.32, but allows 0.35 if SHGC ≥ 0.45 and no more than 110 sq. ft. glazing face west.<br><b>PC 4</b> (Support) - Lowers U-Factor in zones 6-8 to 0.32 (no exception for high SHGC).  |
| EC 22        | D                    |                     | Support D                                |  | Lowers fenestration SHGC in zones 1-3 to 0.30; allows 0.40 SHGC for impact rated glazing.<br><b>PC 1 &amp; 2</b> (Oppose) – Lowers fenestration SHGC in zones 1-3 to 0.35, allows 0.40 SHGC for impact rated fenestration complying with IBC Section 1609.1.2.   |
| EC 22 Part 2 |                      | D                   | Oppose D                                 | Support AM PC 3                        | <b>PC 1 &amp; 2</b> (Oppose) – Lowers fenestration SHGC in zones 1-3 to 0.35, allows 0.40 SHGC for impact rated fenestration complying with IBC Section 1609.1.2.<br><b>PC 3</b> (Support) – Lowers fenestration SHGC in zones 1-3 to 0.30; eliminates exception for impact-rated glazing.   |
| EC 26        | AM                   |                     | Support AM by Cmtee                      |  | As modified by IECC Committee: Lowers SHGC in zones 1-3 to 0.30.<br><b>PC 2</b> (Oppose) – Alters SHGC requirement in zones 1-3 to .35/.35/.40.<br><b>PC 3</b> (Oppose) – Alters SHGC requirement in zones 1-3 to .35.<br><b>PC4</b> (Oppose) – Creates exception that allows impact rated glazing to have SHGC 0.40.  |
| EC 27        | D                    |                     | Oppose D                                 | Support AS                             | Increases ceiling R-value requirements for zones 2-8. Zones 2-3 (R-38); zones 4-5 (R-49); zones 6-8 (R-60).  |
| EC 28        | AM                   |                     | Support AM                               |  | As modified by IECC Committee: Adjusts wood frame wall R-value requirement to R-20 or 13+5.  |
| EC 28 Part 2 |                      | AM                  | Support AM                               |  | As modified by IRC Committee: Adjusts wood frame wall R-value requirement in zones 5-6 to R-20 or 13+5.  |

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| Prop.        | IECC Standing Motion | IRC Standing Motion | EECC Recommendation  |                                     | Proposal Summary  |
|--------------|----------------------|---------------------|--|-------------------------------------|---|
| <b>IECC</b>  |                      |                     |  |                                     |   |
| EC 29        | D                    |                     | Oppose D   | Support AM PC1                      | Original Proposal: Increases wood frame wall R-value requirements for all zones, and allows any combination of insulation to meet requirement.<br><b>PC 1</b> (Support) - zone 1 (R-13); zones 2-3 (R-16); zones 4-6 (R-20 or 13+5); zones 7-8 (R-24).  |
| EC 30        | D                    |                     | Oppose D   | Support AM PC1 as fallback to EC29  | Increases wood frame wall R-value requirements in zones 1-4 to R-13+3 or 15+2.<br><b>PC 1</b> (Support) – R-value for wood-frame wall in zones 1-4: 13/15/16/18; also clarifies footnote on insulated sheathing.  |
| EC 33        | AS                   |                     | Support AS   |                                     | Increases basement wall R-value in zones 6-8 to 15/19 and adds definition of 15/19.   |
| EC 35        | AS                   |                     | Support AS   |                                     | Increases floor R-value in zones 7-8 to R-38.   |
| EC 36        | AS                   |                     | Support AS   |                                     | Adds an R-5/13 basement R-value in zone 3 with exemption for warm humid locations.  |
| EC 36 Part 2 |                      | D                   | Oppose D   | Support AS                          | Adds an R-5/13 basement R-value in zone 3 with exemption for warm humid locations.  |
| EC 37        | AM                   |                     | Support AM   |                                     | As modified by IECC Committee: In zones 1-3, heated slabs insulated to 2 feet or to depth of footing, whichever is less.  |
| EC 37 Part 2 |                      | D                   | Oppose D   | Support AM PC 1                     | <b>PC 1</b> (Support) - In zones 1-3, heated slabs insulated to 2 feet or to depth of footing, whichever is less.   |
| EC 38        | D                    |                     | Oppose D   | Support AM PC1 as fallback to EC 39 | Original Proposal: Revises ceiling and floor U-factor requirements in equivalent U-factors table and implements series-parallel calculation tables.<br><b>PC 1</b> (Support) - Revises equivalent U-factors to keep consistent with ASHRAE.<br><b>Support PC 1 as fallback to EC 39 PC 1.</b> |
| EC 39        | D                    |                     | Oppose D   | Support AM PC 1                     | Original Proposal: Revises ceiling, frame wall, and floor U-factor requirements in equivalent U-factors table and implements series parallel calculation tables.<br><b>PC 1</b> (Support) - Revises equivalent U-factors to keep consistent with ASHRAE.                                      |
| EC 42        | AM                   |                     |  |                                     | Revises basement and crawlspace wall U-factors and footnotes to exclude soil conductivity and exterior air films.   |
| EC 42 Part 2 |                      | D                   |  |                                     | Revises basement and crawlspace wall U-factors and footnotes to exclude soil conductivity and exterior air films.   |
| EC 43        | D                    |                     | Support D  |                                     | Adds prescriptive trade-off table that allows reductions in ceiling, floor, and wall insulation for various upgrades in HVAC and air sealing.   |
| EC 43 Part 2 |                      | D                   | Support D  |                                     | Adds prescriptive trade-off table that allows reductions in ceiling, floor, and wall insulation for various upgrades in HVAC and air sealing.   |
| EC 46        | AS                   |                     | Support AS   |                                     | Limits cathedral ceiling exemption to 500 square feet or 20% of total insulated ceiling area, whichever is less.  |
| EC 48        | D                    |                     | Support D  |                                     | Simplifies the insulating and sealing requirements for access hatches, eliminates requirement for weatherstripping.   |
| EC 48 Part 2 |                      | AM                  | Oppose AM  | Support D                           | Simplifies the insulating and sealing requirements for access hatches, eliminates requirement for weatherstripping.   |
| EC 50        | AM                   |                     |  |                                     | As modified by IECC Committee: Reduces requirement for continuous insulation in steel frame wall assemblies in zones 1 and 2.   |
| EC 50 Part 2 |                      | D                   |  |                                     | Reduces requirement for continuous insulation in steel frame wall assemblies in zones 1 and 2.  |
| EC 51        | D                    |                     | Oppose D   | Support AM PC 3                     | Revises steel frame insulation table to include an option for all continuous insulation (no cavity insulation) of R-0+8.5.  |
| EC 51 Part 2 |                      | AS                  | Support AM PC 1 or AS as fallback                                  |                                     | Revises steel frame insulation table to include an option for all continuous insulation (no cavity insulation) of R-0+8.5.  |
| EC 58        | AM                   |                     | Support AM   |                                     | As modified by IECC Committee: Limits U-factor exemption to one side-hinged opaque door assembly up to 24 square feet.  |
| EC 58 Part 2 |                      | D                   | Oppose D   | Support AM PC 1                     | <b>PC 1</b> (Support) - Limits U-factor exemption to one side-hinged opaque door assembly up to 24 square feet.   |
| EC 60        | AM                   |                     | Support AM   |                                     | As modified by IECC Committee: Adds rim joist junctions to list of air sealing requirements.  |
| EC 60 Part 2 |                      | D                   | Oppose D   | Support AM PC 1                     | <b>PC 1</b> (Support) – Mirrors rim joist sealing requirement approved by IECC Committee.   |
| EC 64        | AM                   |                     | Prefer AM PC 1 or AM PC2, but Support AM by Committee as fallback. |                                     | As modified by IECC Committee: Adds air barrier and insulation inspection checklist, testing definition.<br><b>PC 1</b> (Support) - Adds testing requirement and improves enforceability.<br><b>PC 2</b> (Support as fallback to PC1) - Adds testing requirement and improves enforceability. |

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|--------------|----------------------|---------------------|---------------------|---|---|
| <b>IECC</b>  |                      |                     |                     |   |   |
| EC 64 Part 2 |                      | D                   | Oppose D            | Support AM PC 1 or AM PC 2 as fallback. | PC 1 (Support) - Adds testing requirement and improves enforceability.<br>PC 2 (Support as fallback to PC 1) – Deletes visual inspection option and requires pressure testing of envelope.  |
| EC 65        | D                    |                     |                     |   | All recessed luminaires shall be sealed; must be IC-rated if in contact with insulation.  |
| EC 66        | AS                   |                     | Oppose AS           | Support D                               | Eliminates fenestration U-factor and SHGC tradeoff caps in IECC.  |
| EC 67        | AM                   |                     | Support AM          |   | As modified by IECC Committee: Allows duct insulation to be reduced to R-4 in performance path.   |
| EC 68        | AM                   |                     | Oppose AM           | Support AS                              | As modified by IECC Committee: Requires installation of programmable thermostat where primary heating is from a fossil fuel forced air furnace.   |
| EC 68 Part 2 |                      | D                   | Oppose D            | Support AS                              | Requires installation of programmable thermostat where primary heating is from a forced air furnace.  |
| EC 69        | AM                   |                     |                     |   | As modified by IECC Committee: Adds definition for furnace electricity ratio (efficiency of furnace blower motors) for fossil fuel furnaces; suffers from Federal legal preemption concerns which could create roadblocks to adoption of the energy code.           |
| EC 69 Part 2 |                      | D                   |                     |   | Adds definition for furnace electricity ratio (efficiency of furnace blower motors) for fossil fuel furnaces; suffers from Federal legal preemption concerns which could create roadblocks to adoption of the energy code.  |
| EC 70        | AS                   |                     | Support AS          |   | Air handlers rated at no more than 2 percent air leakage are deemed sealed.   |
| EC 70 Part 2 |                      | D                   | Oppose D            | Support AS                              | Air handlers rated at no more than 2 percent air leakage are deemed sealed.   |
| EC 71        | AS                   |                     | Support AS          |   | Requires duct testing in prescriptive path either at post-construction or rough-in stage, unless air handler and all ducts are located within conditioned space.  |
| EC 71 Part 2 |                      | D                   | Oppose D            | Support AS                              | Requires duct testing in prescriptive path either at post-construction or rough-in stage, unless air handler and all ducts are located within conditioned space.  |
| EC 72        | D                    |                     | Oppose D            | Support AS                              | Eliminates option to use building cavities as ducts.  |
| EC 72 Part 2 |                      | D                   | Oppose D            | Support AS                              | Eliminates option to use building cavities as ducts.  |
| EC 74        | AS                   |                     | Support AS          |   | Increases mechanical system piping insulation to R-3.   |
| EC 74 Part 2 |                      | D                   | Oppose D            | Support AS                              | Increases mechanical system piping insulation to R-3.   |
| EC 75        | D                    |                     | Oppose D            | Support AM PC 1                         | Original Proposal: Requires hot water piping to be insulated to R-2 and a stub-in for solar water heating, unless water heating system exceeds federal minimum by 15%.<br>PC 1 (Support) - Clarifies requirement for different sized pipes; no stub-in requirement. |
| EC 77        | D                    |                     | Oppose D            | Support AM PC 1                         | Original Proposal: Sets limit on maximum oversizing on air conditioners and heat pumps and defines assumptions for calculation.<br>PC 1 (Support) - Addresses Committee concerns and makes proposal easier to use.  |
| EC 78        | D                    |                     | Support D           |   | Adds increased furnace efficiency requirement "where not prohibited by federal law" for states that may achieve a future exemption.   |
| EC 78 Part 2 |                      | D                   | Support D           |   | Adds increased furnace efficiency requirement "where not prohibited by federal law" for states that may achieve a future exemption.   |
| EC 79        | AS                   |                     |                     |   | Requires all gas water heaters to have a pilotless electronic ignition system; suffers from potential federal preemption concerns which could create roadblocks to adoption of the energy code.   |
| EC 79 Part 2 |                      | D                   |                     |   | Requires all gas water heaters to have a pilotless electronic ignition system; suffers from potential federal preemption concerns which could create roadblocks to adoption of the energy code.   |
| EC 82        | AS                   |                     | Support AS          |   | Requires pool heaters to have readily accessible on-off switch and time switches, requires vapor retardant pool cover.  |
| EC 85        | D                    |                     | Oppose D            | Support AM PC 1                         | Original Proposal: Standardizes the summer and winter shading fractions at 0.90 for performance calculation.<br>PC 1 (Support) - Standardizes fractions at 0.85 for both summer and winter.   |
| EC 86        | AM                   |                     | Support AM          |   | As modified by IECC Committee: Modifies thermostat setpoints to 75/72F for performance calculation.   |

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| <b>IECC</b> |                      |                     |  |   |
| EC 87       | AM                   |                     | Support AM                               | Performance path assumes decreased insulation performance unless verified by a third party.   |
| EC 88       | D                    |                     | Oppose D<br>Support AM PC 1              | Original Proposal: Assumes a higher default Specific Leakage Area unless air exchange rate is tested.<br><b>PC 1</b> (Support) - Eliminates default option and requires the use of tested air leakage values in performance path.   |
| EC 90       | D                    |                     | If EC91 fails,<br>Oppose D<br>Support AS | Fallback to EC91; allows trade-off credit for HVAC improvement only where at least 15% more efficient than federal minimum.<br><b>Support EC 90 as fallback to EC 91.</b>   |
| EC 91       | AS                   |                     | Support AS                               | Eliminates HVAC trade-off by removing the federal minimum efficiency from the standard reference design.  |
| EC 92       | AS                   |                     | Support AS                               | Reduces the assumed glazing area in the standard reference design to 15%.   |
| EC 99       | AS                   |                     |  | Removes exception for the use of site energy in the performance calculation, and allows the use of source energy as an alternative to energy cost.  |
| EC 101      | AS                   |                     | Support AS                               | Permits the code official to require documentation of the actual values used in software calculations.  |
| EC 103      | D                    |                     | Support D                                | Eliminates option to substitute sections of ASHRAE 90.1.  |
| EC 104      | D                    |                     | Support D                                | Eliminates option to substitute sections of ASHRAE 90.1.  |
| EC 105      | AS                   |                     | Support AS                               | Requires user to apply either the IECC or ASHRAE 90.1, and not a mix of both.   |
| EC 106      | AS                   |                     | Support AS                               | Incorporates Opaque Assemblies values from ASHRAE 90.1-2004 into a single table, except where IECC is more stringent.   |
| EC 108      | D                    |                     | Support D                                | Creates a Total UA and Total SHGCA alternative for commercial building. (Special provisions for fenestration area exceeding 502.3).   |
| EC 109      | D                    |                     |  | Deletes metal building insulation table (502.2(2)) and references insulation table adopted in 2007 IECC supplement.   |
| EC 110      | D                    |                     | Oppose D<br>Support AM PC 2              | Incorporates opaque assemblies values from ASHRAE 90.1-2007.  |
| EC 112      | D                    |                     |  | Simplifies prescriptive table for metal building opaque assemblies.   |
| EC 113      | D                    |                     | Oppose D<br>Support AS or AM PC2         | Original Proposal: Removes distinction between U-factor requirements for metal and non-metal windows; lowers U-factors for all fenestration other than curtain wall/storefront and entrance door.<br><b>PC 2</b> (Support) - Removes material-specific distinction; allows U-factor up to 0.45 in zones 5-8. <b>Support PC 2 as fallback if AS fails.</b> |
| EC 115      | D                    |                     | Oppose D<br>Support AS                   | Eliminates projection factor trade-offs for SHGC.   |
| EC 116      | AS                   |                     | Support AS                               | Requires roofs in climate zones 1-3 to meet reflectance criteria.   |
| EC 122      | D                    |                     |  | Adds prescriptive skylight and daylighting provision that exempts skylights from SHGC requirements.   |
| EC 123      | D                    |                     |  | Adds a more detailed air barrier requirement for commercial buildings.  |
| EC 127      | D                    |                     |  | Adds detail to definition of vestibule.   |
| EC 133      | AM                   |                     | Support AM                               | Increases thickness of pipe insulation for hot or chilled water pipes.  |
| EC 134      | AS                   |                     | Support AS                               | Establishes highly detailed commissioning requirements to ensure that systems are installed and function properly. Numerous Public Comments with Proposed Modifications.  |
| EC 137      | AM                   |                     | Support AM                               | Requires occupancy sensors for outdoor heating systems.   |
| EC 140      | AS                   |                     | Support AS                               | Creates an exception from lighting control requirements where 50% of interior fixtures are fitted with high-efficacy lamps.   |
| EC 144      | AS                   |                     | Support AS                               | Clarifies wattage calculation for track lighting to make it consistent with ASHRAE 90.1.  |
| EC 146      | AM                   |                     | Support AM                               | Revises allowances for additional lighting power in retail accent lighting to make IECC more energy efficient than ASHRAE 90.1.   |
| EC 150      | AM                   |                     |  | Adds a requirement for shielding outdoor luminaires to reduce glare.  |
| EC 152      | D                    |                     | Support D                                | Clarifies the definition of thermal isolation.  |

**Note: Proposals that contribute to the New & Improved version of “The 30% Solution” are highlighted in Yellow.**

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