EECC
Energy Efficient Codes Coalition
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EECC FINAL ACTION HEARING VOTING RECOMMENDATIONS

The EECC has carefully evaluated the energy-related code proposals to be considered at the ICC's Final Action Hearings in Charlotte to determine if they will improve energy efficiency under the code. EECC's recommendations are set forth in detail in the tables below.

For ease of reference, we have provided a two-page shortened version providing a condensed summary of voting recommendations only. Following that is a more detailed table providing brief summaries of the proposal and public comments with modifications along with the EECC's recommendations for overall action and evaluation of each individual public comment. Where the EECC recommendation is blank, it means that the EECC has no recommendation on this specific proposal at this time. The EECC may change its recommendations based on additional analysis or information, so please check EECC's website for an updated version of this document prior to the hearing. Moreover, EECC representatives will be testifying at the Final Action Hearings on most of these proposals and will indicate EECC's final recommendation in their testimony.

The proposals will not necessarily be heard in numerical order. For example, EC25 is currently scheduled to be heard before EC16. Part I (the IECC version) of each proposal, if still in dispute, will be heard before Part II (IRC version). The current version of the hearing order agenda is on ICC's website – the agenda may be changed at any time at the hearing, so it is important to keep close tabs on the actual code proposal number being heard.

At the Final Action Hearings, the process for considering these 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 the way they intend. A brief explanation of this process follows:

At the Final Action Hearings, ICC Governmental Members consider the recommendations of the Code Development Committees, along with the recommendations of interested stakeholders submitted in their specific public comments (referred to below as "PC1" or "PC2" etc.), and oral testimony. In their public comments, interested parties request reconsideration of the Committee decision and/or propose modifications in response to concerns of the Committee or stakeholders.

The ICC Standing Motion, on any code change, is to accept the Committee recommendation.

Supporting the Committee recommendation is easy – it requires a "YES" vote on the Standing Motion and a "NO" vote on other motions (including a motion to modify a proposal recommended for approval by the Committee).

Example #1: EECC recommends supporting the Committee's recommendation for disapproval of EC131 Part I. In order to support the Committee, the Governmental Member would vote YES in favor of the standing motion for Disapproval on Part I based on the Committee recommendation.

Example #2: EECC recommends supporting the IECC Committee's recommendation for approval as submitted on EC34, Part I. In that case, in order to support the Committee, the Governmental Member would vote YES in favor of the Standing Motion for Approval as Submitted based on the Committee recommendation.

Example #3: EECC recommends supporting approval as modified by the Floor Action on RE 4. In that case, in order to support the Floor vote, the Governmental Member would vote YES in favor of the Standing Motion for Approval as Modified based on the Floor Action.

Adopting the Committee's recommendation takes a majority vote.

When EECC recommends opposing the Committee recommendation, this is typically where the EECC believes that the ICC should approve a proposal as submitted or modified that was not recommended favorably by the Committee:

Example #4: EECC recommends adoption of EC25 as modified by PC3 (EECC's comprehensive package proposal). The Committee recommended disapproval. EECC modified the proposal to address the Committee concerns and improve the proposal. Since the Committee's recommendation is for disapproval, then after testimony is taken on the recommendation, the assembled Governmental Members vote. If Governmental Members wish to see a proposal adopted as submitted or modified, they must first vote against the standing motion. If the standing motion does not receive a majority of favorable votes, then the floor is open to consider a new motion on the proposal. At that point, someone will make a motion to "approve as submitted" or "approve as modified" by [either the Committee or a particular PC]. (In the case of EC25, the EECC will move approval as modified by public comment #3.) It is important to clearly understand what PC is being voted on (for example, EECC does not support PC4). The vote is taken again (possibly after additional testimony) after the new motion is made. If the motion does not receive 2/3 vote, the motion fails and another motion can be made. If no affirmative motion receives 2/3 then the proposal is disapproved.

Overturning the Committee recommendation against a proposal requires a majority of the votes to be cast against the standing motion to disapprove. However, in order to then approve a proposal as submitted or as modified after overturning a negative Committee recommendation, a 2/3 vote to approve is required.

In a few cases, the EECC recommends opposing the Committee recommendation for approval as submitted or modified:

Example #5: EECC recommends disapproval of EC16 Part II. In order to overturn the IRC Code Development Committee and obtain disapproval, a Governmental Member would vote No against the Standing Motion for approval as modified. If the standing motion to approve as modified does not obtain a majority, then a motion for disapproval can be made.

Only a majority vote is required to disapprove a proposal recommended for approval by the Committee.

KEY:
PC – Public Comment
AS – Approved as Submitted
D – Disapproved
AM – As Modified
AM PC 1 – As Modified by Public Comment 1, etc.

Version 10/22/10
Subject to Further Revision

Energy Efficient Codes Coalition
Final Action Agenda Recommendations – Condensed Summary

Prop #	EECC Recommended Action
RESIDENTIAL	
EC1	
EC1 P2	
EC3	Support AM
EC9	Oppose Standing Motion (D)
	Support AS
EC13	Support AM PC11
	Fallback Support AM PC9
	Fallback Support AS
EC13 P2	Oppose Standing Motion (D)
	Support AM PC12
	Fallback Support AM PC11
	Fallback Support AS
EC16	Support D
EC16 P2	Oppose Standing Motion (AM)
	Support D
EC17	Oppose Standing Motion (AM)
	Support D
EC17 P2	Oppose Standing Motion (AS)
	Support D
EC24	
EC25	Oppose Standing Motion (D)
	Support AM PC3
EC25 P2	Oppose Standing Motion (D)
	Support AM PC3
EC27	Prefer EC25
	Fallback Prefer EC 34, 35, 39, 41, 42 & 45-48
	Fallback Support AM PC1 & PC 5
	Fallback Support PC6
	Fallback Support AM
EC27 P2	Prefer EC25
	Fallback Prefer EC 34, 35, 39, 41, 42 & 45-48
	Fallback Support AM PC1 & PC5
	Fallback Support PC6
	Fallback Support AS
EC30	Support AM PC1
	Fallback Support AS
EC30 P2	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AS
EC31	
EC31 P2	
EC34	Support AS
EC34 P2	Oppose Standing Motion (D)
	Support AS
EC35	Support AS
EC35 P2	Oppose Standing Motion (D)
	Support AS
EC36	Support D
EC36 P2	Oppose Standing Motion (AS)
	Support D

Prop #	EECC Recommended Action
EC38	Oppose Standing Motion (D)
	Support AM PC2
	Fallback Support D
EC38 P2	Oppose Standing Motion (D)
	Support AM PC2
	Fallback Support D
EC39 P2	Oppose Standing Motion (D)
	Support AS
EC41	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AS
EC41 P2	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AS
EC42	Oppose Standing Motion (D)
	Support AS
EC42 P2	Oppose Standing Motion (D)
	Support AS
EC45	Oppose Standing Motion (D)
	Support AS
EC45 P2	Oppose Standing Motion (D)
	Support AS
EC46	Oppose Standing Motion (D)
	Support AS
EC46 P2	Oppose Standing Motion (D)
	Support AS
EC47	Support AM PC1 & PC2 (if issue is not already corrected by previous proposals)
	Fallback Support AM PC1 & PC3
	Fallback Support AM
EC47 P2	Oppose Standing Motion (D)
	Support AM PC2 & PC5 (if issue is not already corrected by previous proposals)
	Fallback Support AM PC1 & PC2 & PC3
	Fallback Support AM PC1 & PC2 & PC4
EC48	Support AM PC2 & PC3
	Fallback Support AM PC2 & PC4
	Fallback Support AM
EC48 P2	Oppose Standing Motion (D)
	Support AM PC2 & PC5
	Fallback Support AM PC2 & PC3
	Fallback Support AM PC2 & PC4
	Fallback Support AM PC1
EC50	Support AS
EC50 P2	Oppose Standing Motion (D)
	Support AS

Prop #	EECC Recommended Action
EC54	Oppose Standing Motion (AS)
	Support D
EC54 P2	Oppose Standing Motion (AM)
	Support D
EC55	Support D
EC55 P2	Oppose Standing Motion (AS)
	Support D
EC57	Oppose Standing Motion (D)
	Support AM PC1
EC57 P2	Oppose Standing Motion (D)
	Support AM PC1
EC60	Support D
EC60 P2	Prefer Earlier Proposals
	Fallback Support AS if necessary
EC63	Support AM PC1 or PC2
EC66	Oppose Standing Motion (D)
	Support AM PC1
EC66 P2	Oppose Standing Motion (D)
	Support AM PC1
EC68	Support AM PC1
	Fallback Support AM PC2
	Fallback Support AM
EC68 P2	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AM PC3; Fallback Support AM PC2
EC70	
EC71	
EC71 P2	
EC74	Support D
EC74 P2	Oppose Standing Motion (AS)
	Support D
EC79	Prefer EC25 PC3 & EC81 AM PC1
	Fallback Support AS or AM PC1
EC79 P2	Prefer EC25 PC3 & EC81 AM PC1
	Oppose Standing Motion (D)
	Fallback Support AS or AM PC3
EC81	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Suppport EC79
EC81 P2	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support EC79
EC84	
EC84 P2	
EC86	Support AS
EC86 P2	Support AS
EC88	Oppose Standing Motion (AM)
	Support D

Prop #	EECC Recommended Action
EC89	Oppose Standing Motion (D)
	Support AM PC1
EC89 P2	Oppose Standing Motion (D)
	Support AM PC1
EC91	Support D
EC91 P2	Oppose Standing Motion (AS)
	Support D
EC96	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AS
EC96 P2	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AS
EC97	Oppose Standing Motion (AS)
	Support D
EC99	Support AM or AM PC1
EC99 P2	Oppose Standing Motion (D)
	Support AM PC1 or AM PC2
EC100	Oppose Standing Motion (D)
	Support AM PC1
EC100 P2	Oppose Standing Motion (D)
	Support AM PC1
EC101	Support AS
EC101 P2	Oppose Standing Motion (D)
	Support AS
EC102	Support AM PC1
EC102 P2	Oppose Standing Motion (D)
	Support AM PC2
EC103	Oppose Standing Motion (D)
	Support AM PC1
EC103 P2	Oppose Standing Motion (D)
	Support AM PC1
EC105	Support D
EC106	Oppose Standing Motion (D)
	Support AS
EC106 P2	Oppose Standing Motion (D)
	Support AS
EC107	Prefer EC13 PC11, EC25 PC3 & EC103 PC1
	Support AS
	Fallback Support AM PC1
EC107 P2	Prefer EC13 PC11, EC25 PC3 & EC103 PC1
	Oppose Standing Motion (D)
	Support AS
	Fallback Support AM PC1
EC108	Oppose Standing Motion (D)
	Support AM PC1
EC109	Support AS
EC109 P2	Oppose Standing Motion (D)
	Support AS
EC110	Support AM
EC112	Prefer EC114 AM PC1
	Support AM PC1
	Fallback Support AS
EC112 P2	Prefer EC114 AM PC1
	Oppose Standing Motion (D)
	Support AM PC2
	Fallback Support AS
EC114	Oppose Standing Motion (D)
	Support AM PC1
EC114 P2	Oppose Standing Motion (D)
	Support AM PC1

Prop #	EECC Recommended Action
EC115	Prefer EC114 AM PC1
	Fallback Oppose Standing Motion (D)
	Fallback Support AS
EC115 P2	Prefer EC114 AM PC1
	Fallback Support AS
EC119	
EC121	Oppose Standing Motion (D)
	Support AM PC1
	Fallback Support AM PC2
EC121 P2	Oppose Standing Motion (D)
	Support AM PC1
EC124	Support AS
EC124 P2	Support AS
EC125	Support AM PC2
EC125 P2	Oppose Standing Motion (D)
	Support AM PC2
EC126	Oppose Standing Motion (D)
	Support AM PC1
EC126 P2	Oppose Standing Motion (D)
	Support AM PC1
EC129	Support AM PC1
	Fallback Support AS
EC129 P2	Support AM PC1
	Fallback Support AS
EC131	Support D
EC131 P2	Support D
EC132	Support D
EC133	Support AS
EC134	Support D
EC135	Support D
EC137	Support AS
EC140	Support D
EC141	Support D
EC142	Oppose Standing Motion (D)
	Support AS
EC145	Prefer EC137
	Oppose Standing Motion (D)
	Support AS
IRC BUILDING ENERGY	
RE2	Prefer RE4 AMF
RE4	Support AMF
RE5	Oppose Standing Motion (D)
	Support AS
RE7	Oppose Standing Motion (D)
	Support AS
COMMERCIAL	
EC147	Support
EC148	Oppose Standing Motion (D)
	Support AM PC1
	Fallback D
EC150	Support D
EC157	Prefer EC158 AM PC1
	Fallback Support AM PC1
EC158	Oppose Standing Motion (D)
	Support AM PC1
EC159	
EC164	Oppose Standing Motion (D)
	Support AM PC2

Prop #	EECC Recommended Action
EC165	Prefer EC164 AM PC2
	Fallback Support EC165 AM PC5
	Fallback Support AS
EC166	Prefer EC164 AM PC2
	Fallback Prefer EC165 AM PC5
	Fallback Oppose Standing Motion (D)
	Fallback Support EC166 PC3
EC168	Prefer EC164 AM PC2
	Fallback Prefer EC165 AM PC5
	Fallback Support EC168 PC2
EC169	Oppose Standing Motion (D)
	Support AM PC1 or AS
EC170	Oppose Standing Motion (D)
	Support AS
EC172	Support D
EC173	Support AM PC1
EC174	Support AS
EC176	Oppose Standing Motion (AS) Unless EC164 or EC166 Are Approved
	Support D
EC179	Support AM PC1
EC180	Oppose Standing Motion (D)
	Support AM PC1 or AS
EC182	Oppose Standing Motion (D)
	Support AM PC1
EC183	Support D
	Fallback prefer AM PC1 over AS
EC184	Support D
EC188	Support AM PC2
	Fallback AS
EC191	Oppose Standing Motion (D)
	Support AM PC1
EC192	Support AM PC1
EC193	Oppose Standing Motion (D)
	Support AM PC1 & AM PC2
EC194	Oppose Standing Motion (D)
	Support AM PC1
EC195	Support AM PC1
EC198	Oppose Standing Motion (D)
	Support AM PC2
EC203	Oppose Standing Motion (D)
	Support AM PC1
EC204	
EC207	
EC212	Support AM PC1
EC216	Support AS
EC217	Oppose Standing Motion (D)
	Support AS
EC219	Oppose Standing Motion (D)
	Support AM PC1
EC225	
EC230	Oppose Standing Motion (D)
	Support AM PC1
EC231	
ADMINISTRATIVE	
ADM3	Support D
ADM3 P2	Support D
ADM 39	Support AM (with or without PCs)

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Subject to Further Revision

Energy Efficient Codes Coalition – Final Action Agenda Recommendations

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
RESIDENTIAL						
EC1	**D**			Moves all 4 NH counties in CZ 5 into CZ 6.		
EC1 Part 2		**D**				
EC3	**AM**		**Support AM**	Revises default SHGC table to include visible transmittance; adds definition of VT.	PC1 - replaces default VT values with NFRC 200 VT values PC2 - requires VT to be determined by NFRC 200 where covered by NFRC 200, or by ASTM E972-2007	Disagree Disagree
EC9	**D**		**Oppose D** **Support AS**	Revises definition of residential building to include 1- and 2-family dwellings and townhouses, Group R-2, R-3, and R-4 buildings 3 stories or less.		
EC13	**AS**		**Support AM PC11** **Fallback Support AM PC9** **Fallback Support AS**	DOE Omnibus Proposal	*See handout for summary of 22 submitted public comments*	
EC13 Part 2		**D**	**Oppose D** **Support AM PC12** **Fallback Support AM PC11** **Fallback Support AS**		*See handout for summary of 21 submitted public comments*	

KEY:
PC – Public Comment
AS – Approved as Submitted
D – Disapproved
AM – As Modified
AM PC 1 – As Modified by Public Comment 1, etc.

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC16	**D**		**Support D**	NAHB Omnibus Proposal	PC1 NAHB rewrite to match Part II and to incorporate several changes, including definition of residential occupancy, enhanced certificate requirements, revised footnote "h"; revises duct testing requirements that only allow "deemed" air tightness level of 7 ACH for climate zones 1-3; adds sampling protocol for 1 of 7 units; strengthens duct sealing requirements to 4 cfm at rough-in or post-construction or 3 cfm when air handler is not installed; expands list of exceptions to hot water pipe insulation; requires building to meet mechanical ventilation requirements of IRC; increases low-efficacy lamp requirement to 75% or requires 75% efficacy fixtures. PC2 - Adds definition for continuous insulation. PC3 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements.	Disagree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC16 Part 2		**AM**	**Oppose AM** **Support D**		PC1 NAHB rewrite to make IRC consistent with Part I PC1 and to incorporate identical changes, including definition of residential occupancy, enhanced certificate requirements, revised footnote "h"; revises duct testing requirements that only allow "deemed" air tightness level of 7 ACH for climate zones 1-3; adds sampling protocol for 1 of 7 units; strengthens duct sealing requirements to 4 cfm at rough-in or post-construction or 3 cfm when air handler is not installed; expands list of exceptions to hot water pipe insulation; requires building to meet mechanical ventilation requirements of IRC; increases low-efficacy lamp requirement to 75% or requires 75% efficacy fixtures. PC2 - Eliminates HVAC efficiency requirement from prescriptive paths. PC3 - Adds definition for continuous insulation. PC4 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC5 - Eliminates language in prescriptive table that implies that only furnaces and heat pumps can meet the enhanced efficiency requirements.	Disagree Disagree Disagree
EC17	**AM**		**Oppose AM** **Support D**	Adds definition for insulated siding.		
EC17 Part 2		**AS**	**Oppose AS** **Support D**		PC1 - Matches language adopted in IECC.	Disagree
EC24	**AS**			Deletes IECC requirement for permanent certificate in its entirety.		

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC25	**D**		**Oppose D** **Support AM PC3**	EECC Omnibus Proposal.	PC1 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC2 - Changes footnote "h" by completely eliminating the 25% structural sheathing threshold, and allowing reduction of no more than R-2. PC3 - Revisions remove high-efficiency equipment provisions, set air leakage test requirement at 5 ACH in all zones; set duct leakage test requirement at 4 cfm unless air handler and ducts located inside within conditioned space or performance path is used; fixes loophole in footnote "h", and enhances thermal envelope requirements as in original EC25. PC4 - Lowers fenestration U-factor requirement in climate zones 5-8 from 0.32 to 0.30 with exceptions for higher-SHGC glazing PC5 – In climate zone 3, reduces wood frame wall requirement to R-13 and mass wall requirement to R-5/8.	Disagree Disagree Agree Disagree Disagree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC25 Part 2		**D**	**Oppose D** **Support AM PC3**		PC1 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC2 - Changes footnote "h" by completely eliminating the 25% structural sheathing threshold, and allowing reduction of no more than R-2. PC3 - Revisions remove high-efficiency equipment provisions, set air leakage test requirement at 5 ACH in all zones; set duct leakage test requirement at 4 cfm unless air handler and ducts located inside within conditioned space or performance path is used; fixes loophole in footnote "h", and enhances thermal envelope requirements as in original EC25. PC4 - Lowers fenestration U-factor requirement in climate zones 5-8 from 0.32 to 0.30 with exceptions for higher-SHGC glazing. PC5 – In climate zone 3, reduces wood frame wall requirement to R-13 and mass wall requirement to R-5/8.	Disagree Disagree Agree Disagree Disagree
EC27	**AM**		**Prefer EC25** **Fallback Prefer EC 34, 35, 39, 41, 42 & 45-48** **Fallback Support AM PC1 & PC 5**	Establishes fenestration U-factor of NR/0.50/0.40/0.35/0.32/0.32/0.32 and skylight U-factor of 0.75/0.65/0.55/0.55/0.55/0.55/0.55; ceiling R-value in climate zone 3 of R-38 and climate zone 5 of R-49; wood frame wall R-value in climate zone 4-5 of R-20 or 13+5 and climate zone 6-8 of R-20+5 or 13+10; increases mass wall R-values in climate zone 4 to 8/13 and 6 to 15/20; establishes steel-frame assembly equivalents; clarifies impact	PC1 - Completely removes continuous insulation exception in footnote "h" and clarifies mass wall U-factor requirements where more than half the insulation is on the interior. PC2 - Adds definition for continuous insulation. PC3 - Changes fn "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC4 - Changes footnote "h" by completely eliminating the 25% structural sheathing	Agree Agree Fallback to PC1 & 6 Fallback to PC 2

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
			Fallback Support PC6	rated fenestration exception to apply only to wind-borne debris regions.	threshold, and allowing reduction of no more than R-2. PC5 - Eliminates impact-rated fenestration exception to U-factor requirements. PC6 - Completely removes continuous insulation exception in footnote "h". PC7 – Adds R-24 cavity-only insulation option to wood frame wall requirements in climate zones 6-8.	Agree Agree Disagree
			Fallback Support AM			
EC27 Part 2		**D**	**Prefer EC25**		PC1 - Completely removes continuous insulation exception in footnote "h" and clarifies mass wall U-factor requirements where more than half the insulation is on the interior. PC2 - Adds definition for continuous insulation. PC3 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC4 - Changes footnote "h" by completely eliminating the 25% structural sheathing threshold, and allowing reduction of no more than R-2. PC5 - Eliminates impact-rated fenestration exception to U-factor requirements. PC6 - Completely removes continuous insulation exception in footnote "h". PC7 - Expands footnote "h" to include continuous insulation or insulated sheathing. PC8 - Adds R-24 cavity-only insulation option to wood frame wall requirements in climate zones 6-8.	Agree Agree Fallback to PC1 Fallback to PC3 Agree Agree Disagree
			Fallback Prefer EC 34, 35, 39, 41, 42 & 45-48			
			Fallback Support AM PC1 & PC5			
			Fallback Support PC6			
			Fallback Support AS			
EC30	**AS**		**Support AM PC1**	Clarifies that where insulation installed in cavity less than label or design thickness, actual R-value shall not be less than R-value specified in table.	PC1 - replaces term "actual" R-value with "installed" R-value to clarify code requirement.	Agree
			Fallback Support AS			

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC30 Part 2		**D**	**Oppose D** **Support AM PC1** **Fallback Support AS**		PC1 - replaces term "actual" R-value with "installed" R-value to clarify code requirement.	Agree
EC31	**AS**			Limits use of prescriptive component option to buildings with maximum fenestration of 20% of gross conditioned floor area.		
EC31 Part 2		**D**				
EC34	**AS**		**Support AS**	Revises fenestration U-factors in component table for climate zones 1-3 to NR/0.40/0.35; revises fenestration U-factors in equivalent U-factors table for climate zones 1-3 to 0.50/0.40/0.35.		
EC34 Part 2		**D**	**Oppose D** **Support AS**			
EC35	**AS**		**Support AS**	Eliminates U-factor and SHGC exceptions for impact-rated fenestration.		
EC 35 Part 2		**D**	**Oppose D** **Support AS**			
EC36	**D**		**Support D**	Establishes separate skylight SHGC maximum of 0.40 and tubular daylight devices SHGC maximum of 0.45 in climate zones 1-3.	PC2 - Strengthens skylight SHGC requirement to 0.35. PC3 - Strengthens skylight SHGC requirement to 0.35 and reformats table to group all fenestration together	Prefer over AS Prefer over AS
EC36 Part 2		**AS**	**Oppose AS** **Support D**		PC1 - Strengthens skylight SHGC requirement to 0.35 and fenestration SHGC requirement to 0.30.	Prefer over AS
EC38	**D**		**Oppose D** **Support AM PC2** **Fallback Support D**	Establishes maximum fenestration U-factor of 0.30 in climate zones 5-8, but allows exception for windows with 0.31 U-factor and ≥ 0.35 SHGC or 0.32 U-factor and ≥ 0.40 SHGC. Does not allow default SHGC values for this exception.	PC2 - Requires 0.30 fenestration U-factor in climate zones 5-8, but removes SHGC/U-factor trade-off.	Agree
EC38 Part 2		**D**	**Oppose D** **Support AM PC2** **Fallback Support D**		PC2 - Requires 0.30 fenestration U-factor in climate zones 5-8, but removes SHGC/U-factor trade-off.	Agree
EC39 Part 2		**D**	**Oppose D** **Support AS**	Establishes maximum fenestration U-factor of 0.32 in climate zones 5-8.		

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC41	**D**		**Oppose D** **Support AM PC1** **Fallback Support AS**	Establishes maximum fenestration SHGC of 0.25 in climate zones 1-3.	PC1 - Maintains 0.25 SHGC requirement but requires skylights to have ≤0.30 SHGC PC2 - Maintains 0.25 SHGC requirement in climate zones 1-3, but lowers U-factor to 0.30 in climate zones 5-8 with SHGC/U-factor trade-off.	Agree Disagree
EC41 Part 2		**D**	**Oppose D** **Support AM PC1** **Fallback Support AS**		PC1 - Maintains 0.25 SHGC requirement but requires skylights to have ≤0.30 SHGC. PC2 - Maintains 0.25 SHGC requirement in climate zones 1-3, but lowers U-factor to 0.30 in climate zones 5-8 with SHGC/U-factor trade-off.	Agree Disagree
EC42	**D**		**Oppose D** **Support AS**	Establishes maximum fenestration SHGC of 0.40 in climate zone 4.		
EC42 Part 2		**D**	**Oppose D** **Support AS**			
EC45	**D**		**Oppose D** **Support AS**	Increases ceiling R-value requirement in climate zones 2-3 to R-38 and in climate zones 4-5 to R-49.		
EC45 Part 2		**D**	**Oppose D** **Support AS**			
EC46	**D**		**Oppose D** **Support AS**	Increases ceiling R-value requirement in climate zones 7-8 to R-60.		
EC46 Part 2		**D**	**Oppose D** **Support AS**			
EC47	**AM**		**Support AM PC1 & PC2 (if issue is not already corrected by previous proposals)** **Fallback Support AM PC1 & PC3**	Increases wood-frame wall R-value in climate zones 3-4 to R-20 or 13+5; establishes steel-frame assembly equivalent; increases mass wall R-value in climate zones 3-4 to R-8/13.	PC1 - Adds definition for continuous insulation. PC2 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC3 - Changes footnote "h" by completely eliminating the 25% structural sheathing	Agree (if not already corrected) Agree (if not already corrected) Fallback to PC2

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
			Fallback Support AM		threshold, and allowing reduction of no more than R-2. PC4 - Reduces Mass Wall R-value requirement from 8/13 to 5/8. PC6 – In climate zone 3, reduces wood frame wall R-value requirement to R-13 and mass wall R-value to R-5/8.	 Disagree Disagree
EC47 Part 2		**D**	**Oppose D**		PC1 - Changes to footnote "h" match EC47 Part I. PC2 - Adds definition for continuous insulation.	Agree Agree (if not already corrected)
			Support AM PC2 & PC5 (if issue is not already corrected by previous proposals)		PC3 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements.	Fallback to PC5
			Fallback Support AM PC1 & PC2 & PC3		PC4 - Changes footnote "h" by completely eliminating the 25% structural sheathing threshold, and allowing reduction of no more than R-2. PC5 - Changes to footnote "h" match EC47 Part I and removes 25% structural sheathing exception.	Fallback to PC3 Agree
			Fallback Support AM PC1 & PC2 & PC4		PC6 - Changes to footnote "h" match EC47 Part I. PC7 - In climate zone 3, reduces wood frame wall R-value requirement to R-13 and mass wall R-value to R-5/8.	Agree Disagree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC48	**AM**		**Support AM PC2 & PC3**	Increases wood-frame wall R-value in climate zones 6-8 to R-20+5 or 13+10; establishes steel-frame assembly equivalent; increases mass wall R-value in climate zone 6 to R-15/20.	PC1 - Adds option for R-24 cavity insulation in climate zones 6-8. PC2 - Adds definition for continuous insulation PC3 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC4 - Changes footnote "h" by completely eliminating the 25% structural sheathing threshold, and allowing reduction of no more than R-2. PC6 - Adds R-24 cavity-only insulation option to wood frame wall requirements in climate zones 6-8.	Disagree Agree (if not already corrected) Agree (if not already corrected) Fallback to PC3 Disagree
			Fallback Support AM PC2 & PC4			
			Fallback Support AM			
EC48 Part 2		**D**	**Oppose D**		PC1 - Proposal matches modified EC48 Part I as approved by IECC Committee. PC2 - Adds definition for continuous insulation. PC3 - Changes footnote "h" by allowing a reduction in exterior continuous insulation by a maximum of R-3 where structural sheathing is used; increases structural sheathing threshold to 40% to be consistent with IRC wall bracing requirements. PC4 - Changes footnote "h" by completely eliminating the 25% structural sheathing threshold, and allowing reduction of no more than R-2. PC5 - Proposal matches modified EC48 Part I as approved by IECC Committee, and eliminates 25% structural sheathing exception.	Agree Agree (if not already corrected) Fallback to PC5 Fallback to PC3 Agree
			Support AM PC2 & PC5			
			Fallback Support AM PC2 & PC3			
			Fallback Support AM PC2 & PC4			

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
			Fallback Support AM PC1		PC6 - Expands footnote "h" to include continuous insulation or insulated sheathing. PC7 - Adds R-24 cavity-only insulation option to wood frame wall requirements in climate zones 6-8.	Agree Disagree
EC50	**AS**		**Support AS**	Increases basement wall R-value in climate zone 5 to 15/19; increases crawl space wall R-value in climate zones 5-8 to 15/19.		
EC50 Part 2		**D**	**Oppose D** **Support AS**			
EC54	**AS**		**Oppose AS** **Support D**	Allows insulated siding as an option to meet insulated sheathing requirements.		
EC54 Part 2		**AM**	**Oppose AM** **Support D**			
EC55	**D**		**Support D**	Clarifies the mass wall U-factors for climate zones 5-8 when more than half the insulation is on the interior of a mass wall.	PC1 - Increases Mass Wall U-factors.	Disagree
EC55 Part 2		**AS**	**Oppose AS** **Support D**			
EC57	**D**		**Oppose D** **Support AM PC1**	Requires U-factors of opaque assemblies to be calculated using a series-parallel calculation, using actual insulation and framing fractions or a default fraction; allows code official to require documentation of actual framing fractions and inspection by a third party.	PC1 - Incorporates steel framing and RESNET recommendations and corrects footnote "h". PC2 - Modifies footnote "c" to add more detail where insulating sheathing is used in standard reference design.	Agree Agree
EC57 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Incorporates steel framing and RESNET recommendations and corrects footnote "h". PC2 - Modifies footnote "c" to add more detail where insulating sheathing is used in standard reference design.	Agree Agree

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EC60	**D**		**Support D**	Changes IECC and IRC for consistency; adopts IECC's SHGC values, air barrier criteria, basement wall insulation and floor insulation requirements, but removes the IECC's 20% limitation on cathedral ceiling exceptions; does not include IECC fenestration trade-off cap in IRC.	PC1 - Makes IECC definition for conditioned space consistent with IRC definition, leaves remainder of proposal unchanged.	Disagree
EC60 Part 2		**D**	**Prefer Earlier Proposals** **Fallback Support AS if necessary**		PC1 - Makes IECC definition for conditioned space consistent with IRC definition, leaves remainder of proposal unchanged.	Disagree
EC63	**AS**		**Support AM PC1 or PC2**	Requires installation of wind wash baffle for air permeable insulation in vented attics.	PC1 - Changes to proposal would make language consistent with IRC. PC2 - Changes to proposal would make language consistent with IRC.	Agree Agree
EC66	**D**		**Oppose D** **Support AM PC1**	Revises R-values for steel-framed walls for consistency with ASHRAE 90.1 methodology.	PC1 - Deletes exception for climate zones 1-2 where studs are spaced at 24 inches o/c; adds additional steel wall framing equivalent R-values; and adds equivalents for 24 inch o/c framing. PC2 - Deletes exception for climate zones 1-2 where studs are spaced at 24 inches o/c; adds additional steel wall framing equivalent R-values; and adds equivalents for 24 inch o/c framing.	Agree Disagree
EC66 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Deletes exception for climate zones 1-2 where studs are spaced at 24 inches o/c; adds additional steel wall framing equivalent R-values; and adds equivalents for 24 inch o/c framing. PC2 - Deletes exception for climate zones 1-2 where studs are spaced at 24 inches o/c; adds additional steel wall framing equivalent R-values; and adds equivalents for 24 inch o/c framing.	Agree Disagree
EC68	**AM**		**Support AM PC1** **Fallback Support AM PC2** **Fallback Support AM**	Enhances insulation requirements and fenestration U-factors for thermally isolated sunrooms; clarifies scope of exceptions to sunroom requirements.	PC1 - Reflects modifications of Committee and clarifies that requirements apply only to sunrooms enclosing conditioned space. PC2 - Reflects modifications of Committee and clarifies that requirements apply only to sunrooms enclosing conditioned space.	Agree Fallback to PC1

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EC68 Part 2		**D**	**Oppose D** **Support AM PC1** **Fallback Support AM PC3; Fallback Support AM PC2**		PC1 - Reflects reductions in ceiling R-value and fenestration U-factor to 2009 IECC levels and clarifies that requirements apply only to sunrooms enclosing conditioned space. PC2 - Reflects reductions in ceiling R-value and fenestration U-factor to 2009 IECC levels, as approved by IECC Committee, for consistency with IRC. PC3 - Reflects reductions in ceiling R-value and fenestration U-factor to 2009 IECC levels and clarifies that requirements apply only to sunrooms enclosing conditioned space.	Agree Fallback to PC3 Fallback to PC1
EC70	**AS**			Clarifies that skylights are glazing materials installed at a slope of less than 60 degrees from horizontal, consistent with ASHRAE 90.1.		
EC71	**D**			Establishes requirements for solar reflectance/absorptance of roofs in climate zones 1-3.	PC1 - Revises original proposal's roof solar reflectance/absorptance requirements with roof solar emittance requirements; removes proposed default table; and adds a list of exceptions from requirements PC2 - Identical to PC1, but references in footnotes are to ASTM standards instead of CRRC-1 standard PC3 - Adds more detail to applicability and exceptions; allows use of solar reflectance index and provides equation for unlabeled products; adds exception and definition for vegetative roof. PC4 - Adds more detail to applicability and exceptions; allows use of solar reflectance index; adds exception and definition for vegetative roof	

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EC71 Part 2		**D**			PC1 - Revises original proposal's roof solar reflectance/absorptance requirements with roof solar emittance requirements; removes proposed default table; and adds a list of exceptions from requirements. PC2 - Identical to PC1, but references in footnotes are to ASTM standards instead of CRRC-1 standard PC3 - Adds more detail to applicability and exceptions; allows use of solar reflectance index and provides equation for unlabeled products; adds exception and definition for vegetative roof PC4 - Adds more detail to applicability and exceptions; allows use of solar reflectance index; adds exception and definition for vegetative roof	
EC74	**D**		**Support D**	Establishes SHGC trade-off for projection factor in climate zones 1-3; allows area-weighted average of projection factor.	PC4 - Reduces projection factor table to single set of requirements for climate zones 1-3; moves climate zone limitation to main section.	Disagree
EC74 Part 2		**AS**	**Oppose AS** **Support D**		PC2 - Reduces projection factor table to single set of requirements for climate zones 1-3; moves climate zone limitation to main section.	Disagree
EC79	**AS**		**Prefer EC25 PC3 & EC81 AM PC1** **Fallback Support AS or AM PC1**	Requires testing for air leakage; adds details to air barrier and insulation installation checklist; sets limit at 7 ACH in climate zones 1 and 2, and 5 ACH for climate zones 3-8; allows code official to require testing and written report by third party; allows sampling in groups of 7 or more buildings of similar design; requires ventilation according to IRC Section M1507.	PC1 - Changes reference to IRC Section M1507.3 to ensure that proper system design parameters are followed for whole house ventilation system.	Agree
EC79 Part 2		**D**	**Prefer EC25 PC3 & EC81 AM PC1** **Oppose D** **Fallback Support AS or AM PC3**		PC3 - Changes reference to IRC Section M1507.3 to ensure that proper system design parameters are followed for whole house ventilation system	Agree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC81	**D**		**Oppose D** **Support AM PC1** **Fallback Suppport EC79**	Requires testing and limited visual inspection of air barrier; permits code official to require independent testing and inspection with written reports; separates insulation installation from air barrier inspection criteria; requires air leakage less than 0.00030 SLA; provides separate path for multifamily buildings.	PC1 - Incorporates improvements and terminology from EC13 and strengthens air leakage requirements; tightens requirements for climate zones 1-2; requires testing in all cases except for certain multifamily buildings; and reorganizes inspection table into installation and air barrier criteria	Agree
EC81 Part 2		**D**	**Oppose D** **Support AM PC1** **Fallback Support EC79**		PC1 - Incorporates improvements and terminology from EC13 and strengthens air leakage requirements; tightens requirements for climate zones 1-2; requires testing in all cases except for certain multifamily buildings; and reorganizes inspection table into installation and air barrier criteria.	Agree
EC84	**D**			Specifies requirements for furnace or boiler room where outside combustion air is supplied.	PC1 - Clarifies requirements for rooms with outside combustion air; adds exceptions for direct-vent appliances and equipment approved by IMC and IFGC for installation using inside air.	
EC 84 Part 2		**D**			PC1 - Clarifies requirements for rooms with outside combustion air; adds exceptions for direct-vent appliances and equipment approved by IMC and IFGC for installation using inside air.	
EC86	**AS**		**Support AS**	Clarifies that exterior thermal envelope must contain a continuous air barrier.	PC1 - Adds requirement for air barriers on both interior and exterior or insulation in climate zones 4-8; clarifies location and applicability of air barrier requirements.	
EC86 Part 2		**AS**	**Support AS**		PC1 - Adds requirement for air barriers on both interior and exterior or insulation in climate zones 4-8; clarifies location and applicability of air barrier requirements.	
EC88	**AM**		**Oppose AM** **Support D**	Specifies that air barrier and insulation inspection for log structures shall be in accordance with ICC-400-07 IS LOG.		

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EC89	**D**		**Oppose D** **Support AM PC1**	Requires gasketed fireplace doors and a source of combustion air in specific fireplace types.	PC1 - Specifies that masonry fireplaces designed to allow an open burn must have gasketed doors; clarifies that fireplaces must be provided with a source of combustible air per IRC and IBC requirements PC2 - Requires all wood-burning fireplaces to be directly provided with outdoor combustion air and requires means to tightly close off flue and combustion air source when fireplace is not in use.	Agree
EC89 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Specifies that masonry fireplaces designed to allow an open burn must have gasketed doors; clarifies that fireplaces must be provided with a source of combustible air per IRC and IBC requirements. PC2 - Requires all wood-burning fireplaces to be directly provided with outdoor combustion air and requires means to tightly close off flue and combustion air source when fireplace is not in use.	Agree
EC91	**D**		**Support D**	Removes requirement for fenestration to be listed by the manufacturer; changes other terminology for consistency with other provisions in IECC.	PC2 - Removes requirement for fenestration to be listed by the manufacturer; retains air "leakage" terminology.	
EC91 Part 2		**AS**	**Oppose AS** **Support D**			
EC96	**D**		**Oppose D** **Support AM PC1** **Fallback Support AS**	Establishes enhanced fenestration U-factor and SHGC trade-off cap for IECC and identical cap for IRC.	PC1 - Lowers SHGC maximum to 0.40 consistent with changes made in 2009 IECC; clarifies language	Agree
EC96 Part 2		**D**	**Oppose D** **Support AM PC1** **Fallback Support AS**		PC1 - Lowers SHGC maximum to 0.40 consistent with changes made in 2009 IECC; clarifies language	Agree
EC97	**AS**		**Oppose AS** **Support D**	Eliminates fenestration U-factor and SHGC trade-off cap.		
EC99	**AM**		**Support AM or AM PC1**	Sets efficacy requirements for whole house mechanical ventilation systems.	PC1 - Removes distinction for whole house ventilation fans so that all ventilation fans are included in mechanical ventilation system.	Agree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC99 Part 2		**D**	**Oppose D** **Support AM PC1 or AM PC2**		PC1 - Modifies proposal consistent with IECC Committee recommendation; revises definition of whole house mechanical ventilation system for consistency with IRC. PC2 - Removes distinction for whole house ventilation fans so that all ventilation fans are included in mechanical ventilation system.	Agree Agree
EC100	**D**		**Oppose D** **Support AM PC1**	Requires one thermostat for each heating zone; requires one heating and cooling zone per story or per 1000 square feet, whichever requires fewer zones; requires separate return and supply; requires individual system or automatic damper for each zone.	PC1 - Requires one heating or cooling zone per story in dwelling units with over 2000 square feet	Agree
EC100 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Requires one heating or cooling zone per story in dwelling units with over 2000 square feet	Agree
EC101	**AS**		**Support AS**	Extends programmable thermostat requirement to all equipment types that can utilize programmable thermostats; establishes new table for default temperature setpoints; requires heat pump recovery system for programmable thermostat models installed for heat pump systems.	PC2 - Removes requirement for initial programming and removes requirement for heat pump recovery systems	Fallback to AS
EC101 Part 2		**D**	**Oppose D** **Support AS**		PC2 - Removes requirement for initial programming and removes requirement for heat pump recovery systems.	Falback to AS
EC102	**AS**		**Support AM PC1**	Removes soil conductivity from U-factor calculation in basement walls and crawl space walls.	PC1 - Improves basement wall U-factor in climate zone 5 and crawl space wall U-factors in climate zones 5-8 to be consistent with R-value increases in EC50 in case EC102 is not approved	Agree
EC102 Part 2		**D**	**Oppose D** **Support AM PC2**		PC2 - Improves basement wall U-factor in climate zone 5 and crawl space wall U-factors in climate zones 5-8 to be consistent with R-value increases in EC50 in case EC102 is not approved.	Agree

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EC103	**D**		**Oppose D** **Support AM PC1**	Sets duct leakage maximum at 6 cfm or 12cfm where air handler and all ducts are located within conditioned space; requires R-4 insulation for supply ducts insulated within conditioned space; code official may require an independent party to verify and sign written report specifying results of test; prohibits use of building cavities as ducts.	PC1 - Improves duct leakage requirements consistent with EC13; requires ducts in conditioned space to be insulated; clarifies role of code official; clarifies duct sealing and testing requirements in performance path; requires post-construction test to ensure accuracy.	Agree
EC103 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Improves duct leakage requirements consistent with EC13; requires ducts in conditioned space to be insulated; clarifies role of code official; clarifies duct sealing and testing requirements in performance path; requires post-construction test to ensure accuracy	Agree
EC105	**D**		**Support D**	Replaces current duct sealing/testing requirement with new requirement that duct tightness be verified in accordance with ACCA 5 QI specifications.	PC1 - Removes reference to building cavities used as ducts and requires that duct tightness be verified in accordance with ACCA 5 QI	Disagree
EC106	**D**		**Oppose D** **Support AS**	Requires air handlers to have manufacturer's designation of air leakage of no more than 2% of design air flow rate when tested according to ASHRAE 193.		
EC106 Part 2		**D**	**Oppose D** **Support AS**			
EC107	**AS**		**Prefer EC13 PC11, EC25 PC3 and EC103 PC1** **Support AS** **Fallback Support AM PC1**	Sets duct leakage maximums at 6 cfm for postconstruction test or 4 cfm at rough-in; or 3 cfm if air handler is not installed at time of test.	PC1 - Relaxes duct tightness requirements to 6 cfm at postconstruction or rough-in; designates duct sealing as mandatory and duct testing as prescriptive	Prefer AS
EC107 Part 2		**D**	**Prefer EC13 PC11, EC25 PC3 and EC103 PC1** **Oppose D** **Support AS** **Fallback Support AM PC1**		PC1 - Relaxes duct tightness requirements to 6 cfm at postconstruction or rough-in; designates duct sealing as mandatory and duct testing as prescriptive.	Prefer AS

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EC108	**D**		**Oppose D** **Support AM PC1**	Requires heating and cooling systems to be sealed and sized in accordance with ACCA Manual J-02.	PC1 - Integrates ACCA standards for duct testing into IECC; corrects referenced standards citations	Agree
EC109	**AS**		**Support AS**	Prohibits the use of building framing cavities as ducts or plenums.	PC1 - Clarifies that building cavities shall not be used as air ducts or plenums when in the outside walls of building envelope assemblies, consistent with IMC.	Disagree
EC109 Part 2		**D**	**Oppose D** **Support AS**		PC2 - Clarifies that building cavities shall not be used as air ducts or plenums when in the outside walls of building envelope assemblies, consistent with IMC	Disagree
EC110	**AM**		**Support AM**	Requires protection for piping insulation exposed to weather.		
EC112	**AS**		**Prefer EC114 AM PC1** **Support AM PC1** **Fallback Support AS**	Requires R-3 insulation for hot water pipes in various locations and establishes a maximum run length for different pipe diameters.	PC1 - Deletes maximum run length table and revises terminology for consistency	Agree
EC112 Part 2		**D**	**Prefer EC114 AM PC1** **Oppose D** **Support AM PC2** **Fallback Support AS**		PC2 - Deletes maximum run length table and revises terminology for consistency	Agree
EC114	**D**		**Oppose D** **Support AM PC1**	Sets limitations on total length of service hot water piping and sets insulation requirements; makes exceptions for certain efficient systems.	PC1 - Removes alternatives to pipe insulation to protect against preemption challenges; adds industry term of "total developed pipe length" and increases threshold to120 feet	Agree
EC114 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Removes alternatives to pipe insulation to protect against preemption challenges; adds industry term of "total developed pipe length" and increases threshold to120 feet	Agree
EC115	**D**		**Prefer EC114 AM PC1** **Fallback Oppose D** **Fallback Support AS**	Requires R-4 insulation for circulating service hot water piping.		
EC115 Part 2		**AS**	**Prefer EC114 AM PC1** **Fallback Support AS**			

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EC119	**D**			Requires installation of desuperheater in climate zones 1 and 2 where vapor compression air conditioner or heat pump with cooling capacity of 3 tons or more is installed. Exceptions for heat pump water heaters or solar heating systems.	PC1 - Requires installation of desuperheater, heat pump water heater, solar water heater, or tankless gas water heater in climate zones 1 and 2	
EC121	**D**		**Oppose D** **Support AM PC1** **Fallback Support AM PC2**	Establishes limitations on HVAC equipment oversizing.	PC1 - Clarifies references to ACCA manuals S and J; ensures an infiltration rate consistent with code requirements; and simplifies table by removing minimum efficiency column PC2 - Deletes original proposal and replaces it with sizing requirement from IRC Section M1401.3	Agree Prefer PC1
EC121 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Clarifies references to ACCA manuals S and J; ensures an infiltration rate consistent with code requirements; and simplifies table by removing minimum efficiency column	Agree
EC124	**AS**		**Support AS**	Extends the pool energy conservation requirements to hot tubs and spas and removes exception for pools receiving 60% of energy from recovery or solar source.	PC1 - Clarifies that pool requirements apply to in-ground permanently installed spas; adds pool cover exception for pools deriving energy from heat pumps; and removes R-12 cover requirement. PC2 - Clarifies that pool requirements apply to in-ground permanently installed spas and removes R-12 cover requirement; adds requirements for factory built portable spas and swim spas; adds exception for heaters with built-in timers	Disagree Disagree
EC124 Part 2		**AS**	**Support AS**		PC1 - Clarifies that pool requirements apply to in-ground permanently installed spas; adds pool cover exception for pools deriving energy from heat pumps; removes R-12 cover requirement. PC2 - Clarifies that pool requirements apply to in-ground permanently installed spas and removes R-12 cover requirement; adds requirements for factory built portable spas and swim spas; adds exception for heaters with built-in timers	Disagree Disagree
EC125	**AS**		**Support AM PC2**	Prohibits continuously burning pilot lights in fireplace systems.	PC2 - Adds exception for fireplace systems regulated by U.S. DOE.	Agree
EC125 Part 2		**D**	**Oppose D** **Support AM PC2**		PC2 - Adds exception for fireplace systems regulated by U.S. DOE	Agree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
EC126	**D**		**Oppose D** **Support AM PC1**	In prescriptive and performance paths, requires energy recovery ventilation system and tested air leakage of ≤0.00015 SLA (≤0.00018 for multifamily), unless more efficient heating or cooling equipment or a ground source heat pump is installed.	PC1 - Requires all ducts and air handler to be located inside conditioned space, or in the alternative, a more efficient system such as a ductless or hydronic or ERV system may be installed; revises terminology to be consistent with EC13; avoids potential preemption challenges	Agree
EC126 Part 2		**D**	**Oppose D** **Support AM PC1**		PC1 - Requires all ducts and air handler to be located inside conditioned space, or in the alternative, a more efficient system such as a ductless or hydronic or ERV system may be installed; revises terminology to be consistent with EC13; avoids potential preemption challenges	Agree
EC129	**AS**		**Support AM PC1** **Fallback Support AS**	Requires at least 75% of lamps or 75% of permanent fixtures to contain high-efficacy bulbs.	PC1 - requires all lamps to be high-efficacy, with limited exceptions for dimmers, motion sensors, controls, or photosensors	Agree
EC129 Part 2		**AS**	**Support AM PC1** **Fallback Support AS**		PC1 - requires all lamps to be high-efficacy, with limited exceptions for dimmers, motion sensors, controls, or photosensors	Agree
EC131	**D**		**Support D**	Re-introduces equipment trade-offs into performance path; sets minimum efficiency for HVAC above federal minimums in both prescriptive and performance paths in IECC and IRC; presumes federal legislation will be adopted to remove federal preemption of equipment efficiencies.	PC2 - Removes restriction on electric resistance heating and allows use of commercially available substitutions where required product is not available or is not economical PC3 - Allows exemption for off-peak thermal electric storage heating systems	Disagree Disagree
EC131 Part 2		**D**	**Support D**		PC2 - Allows exemption for off-peak thermal electric storage heating systems.	Disagree
EC132	**D**		**Support D**	Restores HVAC trade-offs to performance path, but requires proposed design to be 10% more efficient overall than standard reference design.		
EC133	**AS**		**Support AS**	Permits energy savings to be calculated per source energy use, applied to source energy multipliers in new table.	PC1 - Replaces source energy factors with marginal resource energy factors; sets margin for fossil fuels at >100.	

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EC134	**D**		**Support D**	Replaces annual energy cost comparison with source energy use or emissions of CO2 equivalents.	PC1 - Replaces commercial performance path source energy multiplier for electricity with a reference to Table 405.3, consistent with EC133. PC2 - Replaces residential and commercial performance path source energy multipliers for electricity with references to Table 405.3, consistent with EC133.	
EC135	**D**		**Support D**	Permits jurisdictions to use site energy or source energy as the metric of comparison for annual energy costs; clarifies metrics of comparison.	PC1 - Removes option for jurisdictions to use source energy as metric of comparison PC2 – [Proposed modification is unclear.]	
EC137	**AS**		**Support AS**	Establishes an equation to determine interior shading fraction depending on fenestration SHGC.		
EC140	**D**		**Support D**	Restores ability to trade off HVAC only when building meets the wall cavity insulation requirements in Section 402.	PC1 - Restores equipment trade-off in performance path; assumes federal minimum efficiencies when wall frame insulation requirements are met. PC2 - Restores equipment trade-off in performance path; allows furnace upgrades to be considered "as proposed" where framed walls and masonry walls meet specific insulation requirements (less than prescriptive table in most zones), or where wall assemblies meet the U-factor requirements of the prescriptive path	Disagree Disagree
EC141	**D**		**Support D**	Restores the HVAC trade-offs from the 2006 IECC.		
EC142	**D**		**Oppose D** **Support AS**	Deletes separate assumption for doors in standard reference design and includes all fenestration in a single calculation.	PC2 – Increases assumed glazing area percentage in standard reference design to 18% regardless of proposed fenestration area.	Disagree
EC145	**D**		**Prefer EC137** **Oppose D** **Support AS**	Sets the interior shade fraction of the standard reference design at 0.90 for both summer and winter.		
IRC BUILDING ENERGY						
RE2		**D**	**Prefer RE4 AMF**	Replaces IRC Chap. 11 with a requirement to meet the IECC and imports the residential requirements of the IECC (minus performance path) directly into Chap. 11.	PC1 - Adds more specific list of sections to be included in IRC Chapter 11	Agree

Prop. #	IECC Standing Motion	IRC Standing Motion	EECC Recommended Action	Original Proposal Summary	Summary of Public Comments with Modifications	EECC Evaluation of Public Comment Modifications
RE4		**AMF**	**Support AMF**	Replaces IRC Chap. 11 with a requirement to meet IECC Chap. 4.		
RE5		**D**	**Oppose D** **Support AS**	Restores fenestration maximum U-factor and SHGC trade-off cap to the IRC consistent with 2009 IECC trade-off cap.		
RE7		**D**	**Oppose D** **Support AS**	Requires that heat traced systems, in addition to service hot water piping, be insulated to R-2.	PC1 Sets requirements for heat traced and untraced piping systems	Disagree
COMMERCIAL						
EC147	**AS**		**Support**	NBI/AIA proposal substantially revises Chapter 5 to require increased energy efficiency.	*The numerous public comments are currently under review.*	
EC148	**D**		**Oppose D** **Support AM PC1** **Fallback D**	Provides exception for wall insulation where thickness would exceed manufacturer instructions or other applicable code requirements.	PC1 - Establishes requirements for cladding insulation and defines fastening requirements	Agree
EC150	**D**		**Support D**	Completely removes ASHRAE 90.1 as a compliance option.	PC3 - Allows compliance with ASHRAE 90.1 only via Section 11 performance option	Disagree
EC157	**AS**		**Prefer EC158 AM PC1** **Fallback Support AM PC1**	Improves opaque assembly insulation requirements, based in part on Core Performance Guide.	PC1 - Adds reference to ASHRAE 90.1 Appendix A in place of Table 502.2(2) Envelope Assemblies table; adds options for opaque envelope assemblies. PC2 - Revises insulation requirements for metal buildings PC3 – Adds cavity-only insulation option for wood-framed walls in climate zones 6-8.	Agree Disagree Disagree
EC158	**D**		**Oppose D** **Support AM PC1**	Incorporates proposed opaque assembly insulation requirements of ASHRAE 90.1-2010.	PC1 - Revises opaque envelope assemblies table to be consistent with ASHRAE 90.1 Addendum bb PC2 - Revises opaque envelope assemblies table to be consistent with ASHRAE 90.1 Addendum bb	Agree Agree
EC159	**AS**			Requires staggered edge joints where two or more layers of rigid foam are used.	PC1 - Clarifies requirements for overlaps in insulated sheathing. PC2 - Requires that continuous insulation boards be installed per manufacturer's specifications	

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EC164	**D**		**Oppose D** **Support AM PC2**	Establishes a single material-neutral set of U-factor requirements for fenestration other than curtain wall/storefront and entrance doors.	PC2 - Establishes single set of fenestration U-factors based on ASHRAE 90.1 Addendum bb for fixed metal windows	Agree
EC165	**AS**		**Prefer EC164 AM PC2** **Fallback Support EC 165 AM PC5** **Fallback Support AS**	Tightens U-factor requirements for fenestration; caps vertical fenestration at 30% maximum of above-grade wall; caps skylights at 5% maximum with automatic day lighting controls; allows exception for impact rated glazing in climate zone 1; allows higher SHGC if visible transmittance is not less than 0.60 and day lighting controls are installed.	PC1 - Establishes commercial fenestration requirements with additional SHGC exceptions for skylights and vertical fenestration located not less than 6 feet above the floor. PC2 - Establishes exceptions to U-factor and SHGC requirements for skylights and allows additional skylights for daylighting; creates SHGC exception for fenestration located not less than 6 feet above the floor. PC3 - Increases maximum fenestration to 40% and changes referenced requirements from Automatic Daylighting Controls to Time Clock Controls PC4 - Increases maximum fenestration to 40% and changes referenced requirements from Automatic Daylighting Controls to new section 505.2.5 multilevel automatic lighting controls PC5 - Combine window U-factor requirements in two categories, fixed and operable, based on fixed and operable metal windows and entrance doors in ASHRAE 90.1 Addendum bb.	Disagree Disagree Disagree Disagree Agree
EC166	**D**		**Prefer EC164 AM PC2** **Fallback Prefer EC 165 AM PC5** **Fallback Oppose D** **Fallback Support EC166 PC3**	Adopts proposed fenestration requirements of ASHRAE 90.1-2010; establishes definitions for opaque permanent projection and visible transmittance; sets requirements for visible transmittance; reduces SHGC requirement to single category; establishes SHGC multiplier for fenestration with projection factor.	PC1 - Revises fenestration U-factor, SHGC, VT, and projection factor requirements to be consistent with ASHRAE 90.1 Addendum bb PC2 - Revises fenestration U-factor, SHGC, VT, and projection factor requirements to be consistent with ASHRAE 90.1 Addendum bb; adds new references to NFRC 300 and 301 PC3 - Revises fenestration U-factor, SHGC, VT, and projection factor requirements to be consistent with ASHRAE 90.1 Addendum bb and proposals EC3 and EC174.	Prefer PC3 Prefer PC3 Agree

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EC168	**D**		**Prefer EC164 AM PC2** **Fallback Prefer EC165 AM PC5** **Fallback Support EC168 PC2**	Establishes a single material-neutral set of U-factor requirements for fenestration other than curtain wall/storefront and entrance doors; tightens U-factor requirements.	PC2 - Adopts single set of fenestration U-factor requirements based on ASHRAE 90.1 Addendum bb values for metal fixed and operable windows.	Agree
EC169	**D**		**Oppose D** **Support AM PC1 or AS**	Extends fenestration SHGC requirements of climate zones 1-3 to zones 4-6.	PC1 - Adopts SHGC values from ASHRAE 90.1 Addendum bb and deletes the SHGC values for higher projection factors consistent with EC174.	Agree
EC170	**D**		**Oppose D** **Support AS**	Eliminates projection factor trade-offs for SHGC.		
EC172	**D**		**Support D**	Allows storefront and curtain wall window U-factors and SHGC to be determined in accordance with AAMA 507.		
EC173	**AM**		**Support AM PC1**	Requires minimum skylight fenestration area and daylight zone for certain enclosed spaces larger than 10,000 square feet in climate zones 1-5.	PC1 - Adds requirement for automatic controls for luminaires located in daylight zones; adds control requirements of EC179 and EC147; defines Effective Apperture; limits skylight haze factor to applications where it is more effective PC2 - Adds equation for skylight effective aperture; clarifies requirements for automatic lighting controls in daylight zones; clarifies haze value PC3 - Changes reference to lighting requirements from Automatic Daylighting Controls to Time Clock Controls	Agree Disagree Disagree
EC174	**AS**		**Support AS**	Establishes a more accurate projection factor calculation; eliminates prescriptive projection factor values from fenestration table.		
EC176	**AS**		**Oppose AS Unless EC164 or EC166 Are Approved** **Support D**	Allows area-weighted averaging of fenestration products within the same product categories.	PC1 - Allows both U-factor and SHGC requirements to be met with an area-weighted average PC2 - Allows area-weighted average U-factors across product categories, but does not allow SHGC requirements to be met using area-weighted average	Disagree Disagree

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EC179	**AM**		**Support AM PC1**	Implements daylighting requirement for buildings in climate zones 1-5 larger than 25,000 square feet with ceiling heights greater than 15 feet; caps skylights at 6 percent; requires all lighting in this area to be controlled.	PC1 - Modifies automatic daylighting controls to be consistent with public comments on EC147 and EC173.	Agree
EC180	**D**		**Oppose D** **Support AM PC1 or AS**	Adds requirement that fenestration products meet an area-weighted average ratio of VT/SHGC > 1.5.	PC1 - Revises VT/SHGC ratio to 1.1, consistent with ASHRAE 90.1 Addendum bb	Agree
EC182	**D**		**Oppose D** **Support AM PC1**	Requires buildings to be equipped with renewable energy system capable of providing 5% of total energy use.	PC1 - Adds requirement that a building greater than 25,000 square feet in floor area have a capacity equal to at least 1% of total peak connected load, with exceptions for R-2 occupancy buildings or a lack of space.	Agree
EC183	**D**		**Support D** **Fallback prefer AM PC1 over AS**	Sets new requirements for air leakage rates for fenestration.	PC1 - Sets maximum air leakage rates for fenestration and adds definition for field-fabrication fenestration.	Prefer over AS
EC184	**D**		**Support D**	Establishes continuous air barrier requirements for commercial construction.	PC1 - Revises air barrier requirements and removes specific list of connections	Disagree
EC188	**AS**		**Support AM PC2** **Fallback AS**	Establishes requirements for commissioning commercial buildings.	PC1 - Moves commissioning requirement into an appendix for further review PC2 - Revises commissioning requirements to be more process-oriented, consistent with EC147 PC4.	Disagree Agree
EC191	**D**		**Oppose D** **Support AM PC1**	Adds requirements for open and closed circuit cooling towers consistent with ASHRAE 90.1.	PC1 - Adds language on product listing and certification requirements to Heat Rejection Equipment Table, consistent with ASHRAE 90.1.	Agree
EC192	**AS**		**Support AM PC1**	Removes total exception for water-cooled centrifugal chilling packages and establishes efficiency requirements for water-cooled or air-cooled chilling packages.	PC1 - Modifies water-cooled centrifugal chilling packages, consistent with ASHRAE 90.1 Addenda BL and BT.	Agree

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EC193	**D**		**Oppose D** **Support AM PC1 & AM PC2**	Adds ASHRAE 90.l efficiency requirements for unitary air conditioners and condensing units; adds requirements for unitary and applied heat pumps.	PC1 - Adds efficiency requirements for unitary air conditioners and condensing units and heat pumps, consistent with ASHRAE 90.1 Addenda S, CO, and BG. PC2 - Adds efficiency requirements for additional single-package vertical air conditioner products, consistent with ASHRAE 90.1 Addendum BW.	Agree Agree
EC194	**D**		**Oppose D** **Support AM PC1**	Adds ASHRAE 90.1 efficiency requirements for equipment, including propeller or axial fan cooling towers, centrifugal fan cooling towers, or air-cooled condensers.	PC1 - Adds test procedures and efficiency requirements for unitary air conditioners and condensing units, consistent with ASHRAE 90.1. PC2 - Adds test procedures for heat rejection equipment, consistent with ASHRAE 90.1.	Agree
EC195	**AS**		**Support AM PC1**	Adds ASHRAE 90.1 efficiency requirements for unitary air conditioners and condensing units.	PC1 - Deletes Heating Section Type column from table for consistency with IECC formatting	Agree
EC198	**D**		**Oppose D** **Support AM PC2**	Establishes requirements for kitchen exhaust hoods consistent with ASHRAE 90.1.	PC2 - Revises ventilation requirements to be consistent with IMC requirements.	Agree
EC203	**D**		**Oppose D** **Support AM PC1**	Adds efficiency requirements for laboratory exhaust systems from ASHRAE 90.1.	PC1 - Revises laboratory exhaust system requirements to be consistent with IMC requirements and ASHRAE 90.1.	Agree
EC204	**D**			Sets requirements for piping insulation based on pipe size and expected use, consistent with ASHRAE 90.1.	PC1 - Revises piping insulation requirements to simplify and match requirements in ASHRAE 90.1 Addendum bi.	
EC207	**D**			Requires that piping insulation exposed to weather be protected from damage.		
EC212	**AM**		**Support AM PC1**	Requires insulation on heat traced systems and clarifies insulation requirement on non-hot-water-supply temperature maintenance systems.	PC1 - Creates exception for heat traced piping systems; requires that untraced piping be insulated with a minimum of 1 inch insulation	Agree
EC216	**AS**		**Support AS**	Extends pool efficiency requirements to hot tubs and spas.	PC1 - Expands requirements to inground permanently installed spas; clarifies timer requirements on heaters, umps and motors with built in timers; removes minimum insulation requirement of pool cover; adds cover exception for pools or spas heated by a heat pump. PC2 - Duplicates PC1, but adds requirements for factory built portable spas and swim spas	Disagree Disagree

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EC217	**D**		**Oppose D** **Support AS**	Establishes efficiency requirements for electric motors consistent with ASHRAE 90.1.		
EC219	**D**		**Oppose D** **Support AM PC1**	Requires that renovations of lighting systems greater than 10% of the lighting load must comply with Section 505 lighting power requirements.	PC1 - Specifies that when lighting systems are altered, controls must be changed or added to meet primary lighting control requirements of automatic control.	Agree
EC225	**D**			Adds new exterior zone 0 to cover very low light requirement areas; does not allow tradable surface allowances for zone 0.	PC1 - Adds "landscaping" category to lighting allowance table	
EC230	**D**		**Oppose D** **Support AM PC1**	Adds efficiency requirements for transformers and other equipment, consistent with ASHRAE 90.1.	PC1 - Revises requirements for low voltage dry-type distribution transformers, consistent with 10 CFR 431.	Agree
EC231	**D**			Adds definition of thermal block as referenced in performance path, consistent with definition in ASHRAE 90.1.	PC1 - Revises definition for thermal block within the total building performance path	
ADMINISTRATIVE						
ADM3	**D**		**Support D**	Adds sustainability to the intent of IBC and IECC.		
ADM3 Part 2		**D**	**Support D**			
ADM 39	**AM**		**Support AM (with or without PCs)**	Updates Referenced Standards – includes ASHRAE 90.1-2010	Various public comments to update various standards	