

Summary of ICC Energy Code Change Proposals & Energy Efficient Codes Coalition Recommended Committee Actions

Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
IECC RESIDENTIAL					
EC1	Thomas Johnson	NH Seacoast Code Assoc & NC Building Officials Assoc.	Moves all 4 NH counties in CZ 5 into CZ 6.		
EC2	Craig Conner	self	Where multiple R-values are printed on sheathing, requires actual R-value to be printed twice as large or listed on insulation certification.	Disapproval	Could support if change were limited to last proposed sentence
EC3	Garrett Stone	Cardinal Glass	Revises default SHGC table to include visible transmittance; adds definition of VT.	Approval	VT measurement will permit consideration of daylighting in code requirements.
EC4	Jesse Beitel	Extruded Poly Foam Assoc	Requires foam plastic products with captive blowing agent to show R-value after aging period.	Approval	
EC5	Ron Majette	DOE	Moves Sections 302 and 303 into new locations within the IECC.		Change is unnecessary.
EC6	Michael Burnetter	NY DOS Code Enforcement	Revises definition of conditioned space to the area within the heated or cooled thermal envelope.	Concerned -- further evaluation	
EC7	Ron Majette	DOE	Revises definition of conditioned floor area and adds new definition of gross floor area, consistent with ASHRAE 90.1.	Approval	
EC8	Ron Majette	DOE	Revises definition of floor, consistent with ASHRAE 90.1.	Concerned -- further evaluation	Concern that slab on grade excluded; importing commercial definition into residential.
EC9	Ron Majette	DOE	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.	Approval	
EC10	Ron Nickson	Natl Multi-Housing Council	Revises definition of residential building to include R-2, R-3, and R-4 buildings, no matter how many stories.	Concerned -- further evaluation	
EC11	Dave Cohan, Eric Makela & Chuck Murray	Northwest Energy Codes Group	Northwest Energy Codes Group Omnibus Proposal.	Prefer EC25/EC13	Should be modified to reflect other proposals adopted to improve prescriptive and performance paths.
EC12	Craig Conner	self	Removes all prescriptive and mandatory labels from IECC; requires compliance by meeting the "applicable provisions of [chapter 4];" removes requirement to insulate mechanical piping, removes fenestration caps.	Disapproval	Will reduce energy efficiency and usability of code.
EC13	Ron Majette	DOE	DOE Omnibus Proposal.	Approval - Prefer EC25	DOE package is a substantial improvement in energy efficiency. However, EECC's package (EC25) is more stringent.

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EC14	Ron Nickson	Natl Multi-Housing Council	Largely copies the IECC requirements from EC13, except it adds an exception to duct testing where air handler and all ducts are located within conditioned space, sets a different air exchange rate, and makes no provision for future updates to federal minimum equipment efficiency standards. Does not include changes for IRC Chapter 11.	Disapproval -- Prefer EC25/EC13	Weaker than DOE proposal.
EC15	Ron Nickson	Natl Multi-Housing Council	Identical to EC14, except it includes an exemption for multifamily housing from blower-door testing requirement.	Disapproval -- Prefer EC25/EC13	Weaker than DOE proposal.
EC16	Ken Sagan	NAHB	NAHB Omnibus Proposal.	Disapproval	While we recognize the effort, this proposal adds unwarranted complexity while rolling back substantial improvements in the 2006 and 2009 IECCs such as treatment of windows and mechanical trade-offs.
EC17	Matthew Dobson	Vinyl Siding Institute	Adds definition for insulated siding.	Disapproval	
EC18	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Prohibits fuel gas lighting systems from having continuously burning pilot lights.	Approval	
EC19	Craig Conner	self	Craig Conner Omnibus Proposal.	Disapproval -- Prefer EC25/EC13	Weaker than DOE proposal; exempts multi-family above 4 units from any air leakage testing.
EC20	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Adds lighting requirements to list of mandatory requirements.	Approval	
EC21	Ken Sagan	NAHB	Permits code official to allow random sampling for duct leakage in 1 of 7 homes.	Disapproval	Proposal lacks standards; is a step back from '09 IECC. Difficult to apply and enforce.
EC22	Ron Majette	DOE	Requires builder or design professional to complete certificate; certificate must include results from any duct system and air leakage tests.	Approval -- Prefer EC23	EC23 is more comprehensive.
EC23	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Revises certificate to include tested air leakage, information on lamps, and more information on HVAC equipment and envelope components; requires builder or design professional to certify and sign information contained on certificate.	Approval	
EC24	Guy Tomberlin	VA Plumbing & Mech Inspectors and VA Code Officials	Deletes IECC requirement for permanent certificate in its entirety.	Prefer EC23, EC22.	Conflicts with DOE and EECC proposals; prefer EC22 and EC23. Improving the certificate would be better than eliminating it.
EC25	Bill Fay	Energy Efficient Coalition	EECC Omnibus Proposal.	Approval	
EC26	Joseph Lstiburek	Building Science Corp	Revises terminology related to air barrier and thermal barrier requirements; adds new definitions; adds option for floor insulation installation.	Needs further evaluation	

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EC27	Ron Majette	DOE	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; 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 rated fenestration exception to apply only to wind-borne debris regions.	Approval - Prefer EC34-35, 39-42 & 45-48	EECC proposals more stringent.
EC28	James Bowman	American Forest & Paper Assoc	Prohibits installation of insulation board where it would alter application of wood structural panels.	Disapproval	
EC29	Craig Conner	self	Allows maximum SHGC of 0.40 for skylights and thermally isolated sunrooms, requires 0.30 SHGC for windows in IRC climate zones 1-3, consistent with IECC.	Disapproval	Higher SHGCs for skylights and sunrooms is a reduction in energy efficiency.
EC30	Charles Cottrell	NAIMA	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.	Approval	
EC31	Don Vigneau	NEEP	Limits use of prescriptive component option to buildings with maximum fenestration of 20% of gross conditioned floor area.	Approval	
EC32	Tom Culp	Quanta Technologies	Establishes maximum U-factor requirement of 0.26 in climate zones 5-8, but allows exception for fenestration with 0.27 U-factor and ≥ 0.35 SHGC or 0.28 U-factor and ≥ 0.40 SHGC. Does not allow default SHGC values for this exception.	Disapproval	This proposal would require triple glazing in CZ 5-8; has not shown reasonable market availability or cost-effectiveness. Northern SHGC prescriptive trade-off is not justified in the code.
EC33	Jeff Lowinski	WDMA	Establishes IECC fenestration U-factor of 0.65 for climate zone 1.	Approval - Prefer EC34	EC34 establishes lower U-factor for zone 1 (0.50) for trade-off purposes.
EC34	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC35	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Eliminates U-factor and SHGC exceptions for impact-rated fenestration.	Approval	
	Jeff Lowinski	WDMA		Approval	
EC36	Julie Ruth	AAMA	Establishes separate skylight SHGC maximum of 0.40 and tubular daylight devices SHGC maximum of 0.45 in climate zones 1-3.	Disapproval	Increase in SHGCs is a reduction in energy efficiency and is a step backwards from the improvements in the 2009 IECC.
EC37	Jeff Lowinski	WDMA	Establishes IECC maximum fenestration SHGC of 0.35 in climate zones 1-3.	Disapproval	Increase in SHGCs is a reduction in energy efficiency and is a step backwards from the improvements in the 2009 IECC.

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EC38	Tom Zaremba	Pilkington NA	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.	Disapproval	Northern SHGC trade-offs are not justified in the code because they trade-off certain benefit for uncertain benefit and potential detriment. Would consider supporting modification to remove trade-off and limit proposal to U-factor improvement.
EC39	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Establishes maximum fenestration U-factor of 0.32 in climate zones 5-8.	Approval	
EC40	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Eliminates separate category of fenestration for skylights and applies same U-factor to all fenestration and same SHGC to all glazed fenestration; allows area-weighted average of replacement fenestration products to satisfy U-factor and SHGC requirements; permits replacement skylights to have weighted average U-factor of 0.60 and SHGC value from prescriptive table.	Approval	
EC41	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Establishes maximum fenestration SHGC of 0.25 in climate zones 1-3.	Approval	
EC42	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Establishes maximum fenestration SHGC of 0.40 in climate zone 4.	Approval	
EC43	Tom Zaremba	Pilkington North America	Establishes minimum fenestration SHGC of 0.30 in climate zones 5-8; applies default SHGC of 0.27 to unlabeled fenestration with minimum SHGC requirement; requires maximum fenestration SHGC of 0.30 in IRC climate zones 1-3.	Disapproval	A minimum SHGC in northern climates has consistently been rejected for the IECC -- it is not justified and could lead to increased summer peak demands, larger HVAC systems and less comfort (as well as more energy use in some homes).
EC44	Ken Sagan	NAHB	Increases maximum SHGC requirement in climate zones 1-3 to 0.40.	Disapproval	Increase in SHGCs in these climates is a reduction in energy efficiency and is a step backwards from the improvements in the 2009 IECC.
EC45	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Increases ceiling R-value requirement in climate zones 2-3 to R-38 and in climate zones 4-5 to R-49.	Approval	
EC46	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Increases ceiling R-value requirement in climate zones 7-8 to R-60.	Approval	
EC47	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	

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EC48	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC49	Ken Sagan	NAHB	Reduces wood frame wall R-value requirements in climate zones 5-6 to R-19 or 13+5.	Disapproval	A decrease in R-values is a reduction in energy efficiency and is a step backwards from the improvements in the 2009 IECC.
EC50	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC51	Ken Sagan	NAHB	Reduces basement wall R-value requirement in climate zones 6-8 to R-10/13.	Disapproval	A decrease in R-values is a reduction in energy efficiency and is a step backwards from the improvements in the 2009 IECC.
EC52	Jeff Lowinski	WDMA	Revises equivalent U-factor table to clarify that windows, doors and skylights are included in fenestration category.		
EC53	Daniel Walker	Natl Sunroom Assoc	Alters definition of sunroom to apply only to structures with excess of 40% glazing in walls, rather than <i>walls and roof</i> .	Disapproval	Proposal would exempt more structures from standard energy efficiency requirements without justification.
EC54	Matthew Dobson	Vinyl Siding Institute	Allows insulated siding as an option to meet insulated sheathing requirements.	Disapproval	
EC55	Martha VanGeem	Masonry Alliance	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.	Approval	
EC56	Tom Zarembo, Tom Culp & Craig Conner	Roetzel & Andress, Birch Consulting & Building Quality	Creates table of 4 alternative prescriptive packages that include thermal envelope, air sealing, duct tightness, and HVAC requirements. (Tables appear to have been excerpted from NAHB's EC16.)	Disapproval	Moves away from simplicity set forth by DOE in the 2006 IECC; sets up conflicts in ch 4; rolls back 2009 changes in order to set up savings -- see also EC16.
EC57	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC58	Larry Wainright	Structural Building Components Industry	Prohibits attic spaces from being used for storage where insulation compression would result.		
EC59	Craig Conner	self	In prescriptive path, requires loose fill insulation to provide required performance at 75 degrees F mean temperature and no less than required performance at winter design conditions, per ASTM C1373-03; climate zones 1-4 are exempted. In performance path, permits air permeable insulation above the air barrier in attics only in climate zones 1-4 or if insulation meets the prescriptive requirements.	Disapproval	

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EC60	Craig Conner & Shaunna Mazinga	self & ICC CO Chapter	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.	Disapprove IECC version; Approve IRC version as fallback to EC41.	Reduces energy efficiency of IECC and changes to 402.2.2 makes it less stringent; captures consistency in IRC.
EC61	Lorraine Ross	Polyiso Insulation Manufacturers	Replaces existing requirements and exceptions for ceilings without attic spaces with a requirement to install a combination of nailbase panels and rigid foam.	Disapproval	Concerns about language and scope.
EC62	Ken Sagan	NAHB	Removes 20% limitation on cathedral ceiling exception.	Disapproval	Reduces energy efficiency.
EC63	Craig Conner	self	Requires installation of wind wash baffle for air permeable insulation in vented attics.		
EC64	Dwight Sheldon	Demilec LLC	Requires rigid or air-impermeable insulation and condensation control for recessed luminaires, exhaust fans, ducts or flues installed in a ceiling without an attic space.	Disapproval	Product specific; can cause confusion re requirements; inadequate code language (could be fixed with clarification to properly address the problem identified)
EC65	Rob Pickett	Log Homes Council	Specifies that design and construction of log structures shall be in accordance with ICC-400-07 IS LOG.	Disapproval	External standard should not replace IECC requirements; external standard might be acceptable to establish supplemental requirements.
EC66	Mark Nowak	Steel Framing Alliance	Revises R-values for steel-framed walls for consistency with ASHRAE 90.1 methodology.	Disapproval	
EC67	Ron Majette	DOE	Clarifies definitions for above-grade, basement, and below-grade walls, for consistency with ASHRAE 90.1.		
EC68	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Enhances insulation requirements and fenestration U-factors for thermally isolated sunrooms; clarifies scope of exceptions to sunroom requirements.	Approval	
EC69	Ron Majette	DOE	Requires common, party, and fire walls to be insulated to R-10 on both sides and air sealed.	Approval	
EC70	Ron Majette	DOE	Clarifies that skylights are glazing materials installed at a slope of less than 60 degrees from horizontal, consistent with ASHRAE 90.1.	Approval	
EC71	Ron Majette	DOE	Establishes requirements for solar reflectance/absorptance of roofs in climate zones 1-3.	Approval	
EC72	Tom Culp & Vickie Lovell	Aluminum Extruders & Assoc of Industrial Metallized Coaters	Establishes exception for SHGC requirements in climate zones 1-3 for fenestration with specified projection factor.	Disapproval	Projection factor trade-off in prescriptive path adds substantial complexity without any improvement in efficiency. Likely to lead to poor code compliance and less efficient buildings.
EC73	Tom Culp	Quanta Technologies	Establishes minimum 0.30 SHGC in climate zones 5-8 for glazing within 30 degrees of south; sets default SHGC for unlabeled fenestration at 0.27; requires cardinal directions to be included in construction documents.	Disapproval	Minimum SHGC for one orientation will overly complicate simple prescriptive path. Proposal is not properly designed to save energy because of the failure to include other aspects of passive solar design such as overhangs and thermal mass.

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EC74	Tom Zaremba	Roetzel & Andress	Establishes SHGC trade-off for projection factor in climate zones 1-3; allows area-weighted average of projection factor.	Disapproval	Projection factor trade-off in prescriptive path adds substantial complexity without any improvement in efficiency. Likely to lead to poor code compliance and less efficient buildings.
EC75	Ron Nickson	Natl Multi-Housing Council	Allows one 24 square foot door exemption per dwelling unit in multifamily buildings.	Disapproval -- consider floor mod to limit to one door in a dwelling unit opening to outside	Should be clarified that exemption should be 1 door attached/opening per dwelling unit to outside.
EC76	Ken Sagan	NAHB	Removes 24 square foot limitation on side-hinged door assembly exemption in prescriptive path.	Disapproval	A reduction in energy efficiency and is a step backwards from the improvements in the 2009 IECC.
EC77	Tom Culp	Aluminum Extruders Council	Gives U-factor credit for fenestration where framing material contains at least 50% recycled content as determined by recognized program.	Disapproval	Recycled content is appropriate for green code, not IECC; no showing that this will save energy or at least be energy equivalent.
EC78	Ron Majette	DOE	Limits west-facing glass to 110 square feet in climate zones 4-8, or according to an equation based on window SHGC in climate zones 1-3.	Disapproval	Adds substantial complexity to prescriptive path and constricts architectural design; difficult to enforce; needs SHGC trade-off for northern climates.
EC79	Ron Majette	DOE	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.	Approval - Prefer EC81	
EC80	Mike Moore	Broan NuTone	For 1-2 family dwellings and townhouses up to 3 stories with air infiltration rate < 5 ACH, whole-house mechanical ventilation required per section M1507 of International Mechanical Code; for other dwelling units < 5 ACH, mechanical ventilation required per International Mechanical Code		
EC81	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval - Prefer over EC79	Doesn't contain performance path revision - performance path is revised in EC126.
EC82	Theresa Weston	DuPont Building Innovations	Requires both visual inspection and testing for air infiltration; adds to list of items to be durably sealed and eliminates air barrier and insulation inspection table; replaces air leakage requirement with requirement of maximum SLA of 0.00036 when tested in accordance with ASHRAE 119 Section 5.1.	Concerned; Disapproval; prefer EC 81 and 79 -- further evaluation	SLA requirement not as stringent as values proposed in EC81 or EC79.

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EC83	Theresa Weston	DuPont Building Innovations	Adds to list of items to be durably sealed and eliminates air barrier and insulation inspection table; replaces air leakage requirement with requirement of maximum SLA of 0.00036 when tested in accordance with ASHRAE 119 Section 5.1.	Concerned; Disapproval; prefer EC81 and 79 -- further evaluation	SLA requirement not as stringent as values proposed in EC81 or EC79.
EC84	Wendy Johnson	ICC UT Chap	Specifies requirements for furnace or boiler room where outside combustion air is supplied.	Approval	Support in concept; suggest clarifications re protection from freezing and stoves
EC85	Ron Nickson	Natl Multi-Housing Council	Removes requirement for air barrier in common walls between dwelling units.	Disapproval	
EC86	Charles Cottrell	NAIMA	Clarifies that exterior thermal envelope must contain a continuous air barrier.	Approval	
EC87	Steve Ferguson	ASHRAE	For 1-2 family dwellings and townhouses up to 3 stories with air infiltration rate < 5 ACH, whole-house mechanical ventilation required per ASHRAE 62.2; for other dwelling units < 5 ACH, mechanical ventilation required per International Mechanical Code.		
EC88	Rob Pickett	Log Homes Council	Specifies that air barrier and insulation inspection for log structures shall be in accordance with ICC-400-07 IS LOG.	Disapproval	External standard should not replace IECC requirements; external standard might be acceptable to establish supplemental requirements.
EC89	Joseph Hill	NY DOS	Requires gasketed fireplace doors and a source of combustion air in specific fireplace types.	Approval	
EC90	Jeff Burton	Assoc of Millwork Distributors	Replaces AAMA and NFRC fenestration air infiltration standard with ASTM E283.	Disapproval	
EC91	Jeff Lowinski	WDMA	Removes requirement for fenestration to be listed by the manufacturer; changes other terminology for consistency with other provisions in IECC.	Disapproval	
EC92	Ron Majette	DOE	Requires recessed luminaires to be labeled as having air leakage rate no more than 2.0 cfm.	Approval	
EC93	Ken Sagan	NAHB	Clarifies that recessed luminaires that penetrate the building thermal envelope must be sealed to limit air leakage; recessed luminaires in contact with insulation shall be IC-rated.	Disapproval	
EC94	Craig Conner & Vickie Lovell	self & Assoc of Industrial Metallized Coaters	Eliminates fenestration U-factor and SHGC trade-off cap.	Disapproval	Proposal is attempt to reverse improvement established in 2004 IECC. Same proposal has been rejected every code cycle since it was adopted. Caps ensure reasonable fenestration for reasons of peak demand, comfort, condensation resistance and reduced energy usage. See EC96 for improvements to cap.
EC95	NUMBER NOT USED				
EC96	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Establishes enhanced fenestration U-factor and SHGC trade-off cap for IECC and identical cap for IRC.	Approval	

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EC97	Ken Sagan	NAHB	Identical to EC94.	Disapproval	Proposal is attempt to reverse improvement established in 2004 IECC. Same proposal has been rejected every code cycle since it was adopted. Caps ensure reasonable fenestration for reasons of peak demand, comfort, condensation resistance and reduced energy usage.
EC98	Theresa Weston	DuPont Building Innovations	Specifies air permeance criteria for air barrier materials.		
EC99	Mike Moore	Broan NuTone	Sets efficacy requirements for whole house mechanical ventilation systems.	Approval	
EC100	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC101	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC102	Ron Majette	DOE	Removes soil conductivity from U-factor calculation in basement walls and crawl space walls.	Concerned -- further evaluation	
EC103	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC104	Craig Conner	self	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.	Approval	Is there a preemption issue?
EC105	Wesley Davis	Air Conditioning Contractors of America	Replaces current duct sealing/testing requirement with new requirement that duct tightness be verified in accordance with ACCA 5 QI specifications (4 cfm).	Concerned; further evaluation	Could support with floor mod where standard is an addition to specified requirements in code rather than replacement.
EC106	Ron Majette	DOE	Identical to EC104	Approval	
EC107	Ron Majette	DOE	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.	Approval; prefer EC103	
EC108	Don Vigneau	NEEP	Requires heating and cooling systems to be sealed and sized in accordance with ACCA Manual J-02.	Approval	
EC109	Ron Majette	DOE	Prohibits the use of building framing cavities as ducts or plenums.	Approval	

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EC110	Howard Plumberex	self	Requires protection for piping insulation exposed to weather.		
EC111	Gregory Farmer	ASPE Legislative Committee	Requires R-4 insulation for circulating hot water piping and hot and tempered water main lines and branches.	Approval -- Prefer EC 114	
EC112	Ron Majette & Craig Conner	DOE & Building Quality	Requires R-3 insulation for hot water pipes in various locations and establishes a maximum run length for different pipe diameters.	Approval -- Prefer EC 114	
EC113	Edward Osann & Gary Klein	Alliance for Water Efficiency	Specifies insulation and conduit requirements for service hot water piping installed below ground or in a mass floor or mass wall.	Approval -- Prefer EC 114	
EC114	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Sets limitations on total length of service hot water piping and sets insulation requirements; makes exceptions for certain efficient systems.	Approval -- Prefer over EC111, 112, 113, 115, 116, 117 and 122	
EC115	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Requires R-4 insulation for circulating service hot water piping.	Approval -- Prefer EC 114	
EC116	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Requires R-4 insulation for hot water systems.	Approval -- Prefer EC 114	
EC117	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Requires R-4 insulation for mechanical system piping.	Approval -- Prefer EC 114	
EC118	Ronald George	self	Specifies insulation and conduit requirements for hot water piping direct buried or located below the water table.		
EC119	Ron Majette	DOE	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.		Concept is good but needs modifications re size, tankless water heater and clarification for single dwelling unit.
EC120	Craig Conner	self	Sets standards for ventilation fan efficiency based on Energy Star.	Disapproval	Should include table from EC99; language needs improvement.
EC121	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Establishes limitations on HVAC equipment oversizing.	Approval	
EC122	Mike Ashley	Edward L. Jackson	Requires installation of hot water circulating system when furthest fixture requiring hot water is more than 8 feet away from hot water source, except where point-of-use water heaters are provided for fixtures.	Approval -- Prefer EC 114	
EC123	Brian Dean & Don Vigneau	ICF Int'l & NEEP	Prohibits the use of electric resistance heating for space heating, except in listed circumstances.		

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EC124	Ron Majette	DOE	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.	Approval	
EC125	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Prohibits continuously burning pilot lights in fireplace systems.	Approval	
EC126	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	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.	Approval	
EC127	Krista Braaksma	WA State Building Code Council	Requires 50% of permanently installed <i>luminaires</i> to be high-efficacy type, rather than 50% of <i>lamps</i> in permanent fixtures.		"Luminaires" are not defined in the code.
EC128	Joseph Hill	NY DOS	Designates lighting efficiency requirement as Mandatory.	Approval	
EC129	Ron Majette	DOE	Requires at least 75% of lamps or 75% of permanent fixtures to contain high-efficacy bulbs.	Approval	
EC130	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Requires at least 60% of lamps in permanent fixtures to be high-efficacy; makes lighting requirement mandatory.	Approval	
EC131	Craig Conner	self	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.	Disapproval	Elimination of mechanical equipment trade-offs was one of the most important improvements in the 2009 IECC. This proposal would be a substantial roll-back of the current code.
EC132	Craig Conner	self	Restores HVAC trade-offs to performance path, but requires proposed design to be 10% more efficient overall than standard reference design.	Disapproval	Elimination of mechanical equipment trade-offs was one of the most important improvements in the 2009 IECC. This proposal would be a substantial roll-back of the current code. While the 10% improvement may be a good concept, it does not offset the problems with such trade-offs.
EC133	Ken Nittler	Enercomp	Permits energy savings to be calculated per source energy use, applied to source energy multipliers in new table.		
EC134	James Ranfone	American Gas Assoc	Replaces annual energy cost comparison with source energy use or emissions of CO2 equivalents.		
EC135	Steve Rosenstock	EEl	Permits jurisdictions to use site energy or source energy as the metric of comparison for annual energy costs; clarifies metrics of comparison.		
EC136	Steve Rosenstock	EEl	Permits jurisdictions to use site energy or source energy as the metric of comparison for annual energy costs, and provides calculation details for jurisdictions with RPS or renewable energy goals.		

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Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
EC137	Jim Larsen	Cardinal Glass	Establishes an equation to determine interior shading fraction depending on fenestration SHGC.		
EC138	Ron Majette	DOE	Clarifies that if proposed heating system is electric without a heat pump, the standard reference design is an air source heat pump that meets Section 503.	Approval -- prefer EC 144	
EC139	Ron Majette	DOE	Clarifies that duct insulation in the proposed design is "as proposed," but must be at least R-6 per section 405.2.	Approval	
EC140	Mark Nowak	Steel Framing Alliance	Restores ability to trade off HVAC only when building meets the wall cavity insulation requirements in Section 402.	Disapproval	Elimination of mechanical equipment trade-offs was one of the most important improvements in the 2009 IECC. This proposal would be a substantial roll-back of the current code.
EC141	Ken Sagan	NAHB	Restores the HVAC trade-offs from the 2006 IECC.	Disapproval	Elimination of mechanical equipment trade-offs was one of the most important improvements in the 2009 IECC. This proposal would be a substantial roll-back of the current code.
EC142	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Deletes separate assumption for doors in standard reference design and includes all fenestration in a single calculation.	Approval	
EC143	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Duplicate to EC142.	Approval	
EC144	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Fixes the footnotes attached to heating, cooling, and water heating systems in the performance path and clarifies that federal minimum should only be used for electric resistance heaters.	Approval	
EC145	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Sets the interior shade fraction of the standard reference design at 0.90 for both summer and winter.	Approval	

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Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
IECC COMMERCIAL					
EC146	Eric Makela, Ken Baker & Craig Conner	Makela Group, K energy & Building Quality	Proposal substantially revises Chapter 5 to reflect selected provisions of Core Performance Guide.	Concerned	Preemption concerns.
EC147	David Hewitt, John Loyer & Ron Majette	New Buildings Institute, AIA & DOE	NBI/AIA proposal substantially revises Chapter 5 to require increased energy efficiency.	Approval	Would improve energy efficiency; possible preemption concerns.
EC148	Mark Nowak	Steel Framing Alliance	Provides exception for wall insulation where thickness would exceed manufacturer instructions or other applicable code requirements.	Disapproval	Would reduce energy efficiency and could be product specific.
EC149	Ken Sagan	NAHB	Completely removes ASHRAE 90.1 as compliance option.	Disapproval	Federal law requires commercial buildings to meet ASHRAE 90.1.
EC150	Larry Spielvogel	consulting engineer	Completely removes ASHRAE 90.1 as a compliance option.	Disapproval	Federal law requires commercial buildings to meet ASHRAE 90.1.
EC151	Steve Ferguson	ASHRAE	Adds an option in the IECC to use the lighting section of ASHRAE 90.1.	Concerned	Concerns about cherry-picking.
EC152	Ron Majette	DOE	Deletes the performance path from the commercial chapter.	Disapproval	The IECC should be able to be used on a stand-alone basis for all commercial buildings.
EC153	Krista Braaksma	WA State Building Code Council	Requires controls on escalators and moving walkways to prevent continuous operation when not in use.	Approval	
EC154	Julie Ruth	AAMA	Revises definition of storefront	Disapproval	Confusing change with uncertain impact.
EC155	James Bowman	American Forest & Paper Assoc	Requires that insulation board not alter the approved application of wood structural panels.	Disapproval	
EC156	Casey Harkins	Thermal Design	Improves opaque assembly insulation requirements for metal buildings.	Disapproval	
EC157	David Hewitt, & John Loyer	New Buildings Institute & AIA	Improves opaque assembly insulation requirements, based in part on Core Performance Guide.	Approval -- compare with EC158	
EC158	Ron Majette	DOE	Incorporates proposed opaque assembly insulation requirements of ASHRAE 90.1-2010.	Approval -- compare with EC157	Very aggressive/most stringent. Can support modification to reflect latest draft ASHRAE addendum bb.
EC159	Ron Majette	DOE	Requires staggered edge joints where two or more layers of rigid foam are used.	Approval	
EC160	James Bowman	American Forest & Paper Assoc	Adds a cavity insulation option to wood framed walls in cz 4-8.	Disapproval	Concept OK but needs to use equivalent values.
EC161	Mark Nowak	Steel Framing Alliance	Decreases insulation requirements for metal framed walls in cz 2-3.	Disapproval	
EC162	Julie Ruth	AAMA	Tightens U-factor requirements for windows other than curtain wall/storefront and entrance doors, but retains dual standards for metal and non-metal framed windows.	Disapproval	Slightly more stringent but other proposals are better

Summary of ICC Energy Code Change Proposals & Energy Efficient Codes Coalition Recommended Committee Actions

Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
EC163	Tom Culp	Aluminum Extruders Council	Applies fenestration U-factor requirements according to AAMA 101/I.S.2/A440 performance classes as opposed to material types; retains separate categories for curtain wall/storefront and entrance door U-factors; new exception allows 1.20 U-factor in climate zone 1 for impact-rated fenestration.	Disapproval	
EC164	Jeff Lowinski	WDMA	Establishes a single material-neutral set of U-factor requirements for fenestration other than curtain wall/storefront and entrance doors.	Approval	Material neutral and considerably more stringent than EC162 & EC163.
EC165	David Hewitt, & John Loyer	New Buildings Institute & AIA	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.	Approval -- Prefer others (fall back to EC164 and EC 175)	Not product neutral; needs improvement; better than EC162 & EC163.
EC166	Ron Majette	DOE	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.	Disapproval -- Needs floor mod	Overly aggressive/most stringent; U-factors too low; should not require overhangs; SHGC value and VT approach are reasonable improvements; could support with modification to reflect latest draft of ASHRAE addendum bb.
EC167	Ron Majette	DOE	Allows up to 5% skylights in the prescriptive option.	Disapproval	Decreases energy efficiency with no offset or lighting controls requirement.
EC168	Garrett Stone	Cardinal Glass	Establishes a single material-neutral set of U-factor requirements for fenestration other than curtain wall/storefront and entrance doors; tightens U-factor requirements.	Approval -- Prefer EC 164 or 175	
EC169	Garrett Stone	Cardinal Glass	Extends fenestration SHGC requirements of climate zones 1-3 to zones 4-6.	Approval	Improved SHGC requirements in zones 4-6 will save energy and peak demand.
EC170	Garrett Stone	Cardinal Glass	Eliminates projection factor trade-offs for SHGC.	Approval	Trade-off currently creates far more complexity (difficult to enforce) and increased likelihood of non-compliance with no benefit.
EC171	Craig Conner	self	Allows storefront and curtain wall window U-factors and SHGC to be determined in accordance with AAMA 507.	Disapproval	NFRC is nationally-recognized method of determining fenestration energy performance.
EC172	Jule Ruth, Margaret Webb, Rand Baldwin, David Walker, Donn Harter, Kim Mann & Bill Koffel	AAMA, IGMA, Aluminum Extruders, NGA, AGA, Glass Assoc of North America & Glazing Industry Code Committee	Identical to EC171.	Disapproval	NFRC is nationally-recognized method of determining fenestration energy performance. Two alternative rating methods will lead to gaming.

Summary of ICC Energy Code Change Proposals & Energy Efficient Codes Coalition Recommended Committee Actions

Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
EC173	Ron Majette	DOE	Requires minimum skylight fenestration area and daylight zone for certain enclosed spaces larger than 10,000 square feet in climate zones 1-5.	Compare with EC179	
EC174	Garrett Stone	Cardinal Glass	Establishes a more accurate projection factor calculation; eliminates prescriptive projection factor values from fenestration table.	Approval	
EC175	Garrett Stone	Cardinal Glass	Establishes three material-neutral sets of fenestration U-factor requirements depending on glazing area percentage; allows area-weighted average; retains separate category for curtain wall/storefront and entrance doors.	Approval -- Prefer EC164	
EC176	Tom Culp	Aluminum Extruders Council	Allows area-weighted averaging of fenestration products within the same product categories.	Disapproval	Area-weighted should only be allowed if U-factor requirements are substantially strengthened. -- otherwise will simply reduce energy efficiency.
EC177	Ron Majette	DOE	Establishes equation to limit west-facing glazing in favor of south-facing glazing, except where properly shaded.	Disapproval	Could have unintended consequences and use more energy; limits architectural design.
EC178	Ron Majette	DOE	Limits west-facing glazing to 10% of total fenestration; allows additional glazing percentage as orientation varies from true west.	Disapproval	Could have unintended consequences and use more energy; limits architectural design.
EC179	Julie Ruth & Tom Culp	AAMA & Aluminum Extruders Council	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.	Compare with EC173	
EC180	Garrett Stone	Cardinal Glass	Adds requirement that fenestration products meet an area-weighted average ratio of VT/SHGC > 1.5.	Approval	Introduces first window daylighting requirement.
EC181	Laverne Dalglish	Air Barrier Assoc	Establishes mandatory continuous air barrier requirements for commercial construction.	Approval - Prefer EC147	EC147 does a better job of addressing this issue; have some concerns about language
EC182	Ron Majette	DOE	Requires buildings to be equipped with renewable energy system capable of providing 5% of total energy use.		
EC183	Tom Culp	Aluminum Extruders Council	Sets new requirements for air leakage rates for fenestration.	Disapproval	Inconsistent with residential window air leakage requirements. May result in promoting less efficient commercial windows. Site-built windows are excepted from requirements. Requirements may discourage the benefits of operable windows.
EC184	Theresa Weston	DuPont Building Innovations	Establishes continuous air barrier requirements for commercial construction.	Approval - Prefer EC147 or EC181	EC147 does a better job of addressing this issue; have some concerns about language
EC185	Ron Majette	DOE	Requires vestibules for all building entrances, except where revolving doors are installed; provides other exceptions.	Approval	
EC186	Ron Majette	DOE	Requires radiant panels to be insulated to at least R-3.5.	Approval	
EC187	Ron Majette	DOE	Adds ASHRAE 90.1 definitions for coefficient of performance, integrated part load value, and nonstandard part load value.	Approval	

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Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
EC188	David Cohan	Northwest Energy Efficiency Alliance	Establishes requirements for commissioning commercial buildings.	Approval	
EC189	Ron Majette	DOE	Relocates section on calculating heating and cooling loads to commercial chapter.	Approval	
EC190	Krista Braaksma	WA State Building Code Council	Establishes efficiency requirements for electric motors.	Prefer EC217	
EC191	Steve Ferguson	ASHRAE	Adds requirements for open and closed circuit cooling towers consistent with ASHRAE 90.1.	Approval	
EC192	Ron Majette	DOE	Removes total exception for water-cooled centrifugal chilling packages and establishes efficiency requirements for water-cooled or air-cooled chilling packages.	Approval	
EC193	Steve Ferguson	ASHRAE	Adds ASHRAE 90.1 efficiency requirements for unitary air conditioners and condensing units; adds requirements for unitary and applied heat pumps.	Approval	
EC194	Ron Majette	DOE	Adds ASHRAE 90.1 efficiency requirements for equipment, including propeller or axial fan cooling towers, centrifugal fan cooling towers, or air-cooled condensers.	Disapproval	Concerns about deleting current table.
EC195	Ron Majette	DOE	Adds ASHRAE 90.1 efficiency requirements for unitary air conditioners and condensing units.	Disapproval	Apparent inconsistency and weaker efficiency compared to current table.
EC196	Ron Majette	DOE	Adds minimum efficiency requirements for gas- and oil-fired boilers.	Approval	
EC197	Randall Dahmen	self	Prohibits use of motorized dampers in exhaust hoods that vent commercial cooking appliances that use fuel gas.		
EC198	Ron Majette	DOE	Establishes requirements for kitchen exhaust hoods consistent with ASHRAE 90.1.	Approval	
EC199	Guy McMann	CAPMO	Requires supply and return air ducts to be insulated to R-6.	Approval	
EC200	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Identical to EC199.	Approval	
EC201	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Clarifies that ducts located within building envelope assembly shall be separated from the building exterior by minimum R-8 insulation; removes requirement for separation from unconditioned or exempt spaces.	Disapproval	
EC202	Randall Dahmen	self	Corrects equation 5.2 for high-pressure duct systems.		
EC203	Ron Majette	DOE	Adds efficiency requirements for laboratory exhaust systems from ASHRAE 90.1.	Approval	
EC204	Ron Majette	DOE	Sets requirements for piping insulation based on pipe size and expected use, consistent with ASHRAE 90.1.	Approval	
EC205	James Paschal	Aquatherm, Inc.	Sets additional requirements for insulating smaller and direct-buried piping.	Disapproval	

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Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
EC206	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Sets pipe insulation requirements depending on pipe diameter and water temperature.	Prefer EC204	
EC207	Howard Ahern	Plumberex	Requires that piping insulation exposed to weather be protected from damage.		
EC208	James Paschal	Aquatherm, Inc.	For piping serving as part of heating or cooling system, allows non-metallic pipes with thermal resistance greater than steel or copper pipe to have reduced insulation thickness where properly documented.		
EC209	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Sets pipe insulation requirements depending on pipe diameter and water temperature.	Disapproval	
EC210	Krista Braaksma	WA State Building Code Council	Establishes more detailed commissioning requirements for commercial buildings.	Approval	Compare with EC188.
EC211	Ron Majette	DOE	Adds alternative compliance path to airside economizers for unitary equipment, consistent with ASHRAE 90.1; limits supply air economizer requirement to specific climate zones and system cooling capacity; establishes cap on aggregate cooling capacity of cooling systems without economizers.		
EC212	John Addario	NY DOS Code Enforcement	Requires insulation on heat traced systems and clarifies insulation requirement on non-hot-water-supply temperature maintenance systems.	Approval -- prefer EC214	
EC213	James Paschal	Aquatherm, Inc.	For automatic-circulating hot water systems, allows non-metallic pipes with thermal resistance greater than steel or copper pipe to have reduced insulation thickness where properly documented.		
EC214	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Requires R-6 insulation for hot water delivery systems.	Approval	
EC215	Michael Resetar, Roger Schmidt & Shawn Dunahue	Armacell, K-Flex & Nomaco	Requires R-6 insulation for automatic-circulating hot water systems, or R-4 for noncirculating systems.	Approval -- prefer EC214	
EC216	Ron Majette	DOE	Extends pool efficiency requirements to hot tubs and spas.	Approval	
EC217	Ron Majette	DOE	Establishes efficiency requirements for electric motors consistent with ASHRAE 90.1.	Approval	
EC218	Joseph Hill	NY DOS	Clarifies that dwelling units are not required to comply with chapter 5 lighting requirements.	Approval	
EC219	Ron Majette	DOE	Requires that renovations of lighting systems greater than 10% of the lighting load must comply with Section 505 lighting power requirements.		
EC220	Rick Sugar	CO ICC Chapter	Exempts equipment rooms from light reduction control requirements.		

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Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
EC221	Guy Tomberlin	self	Clarifies access and shut-off requirements for hot water system controls.	Approval	
EC222	Krista Braaksma	WA State Building Code Council	Adds automatic time switch requirements for buildings larger than 5,000 square feet.		
EC223	Randall Dahmen	self	Creates exception to automatic time switch requirements for lighting intended for continuous operation.		
EC224	Krista Braaksma	WA State Building Code Council	Requires automatic daylight sensing controls for all areas with skylights or windows; specifies requirements and exceptions for automatic controls.		
EC225	Richard Heinisch	Acuity Brands Lighting	Adds new exterior zone 0 to cover very low light requirement areas; does not allow tradable surface allowances for zone 0.	Approval	
EC226	Ron Majette	DOE	Adds new exterior zone 0 to cover very low light requirement areas; does not allow tradable surface allowances for zone 0; allows minimal lighting for marking locations.	Approval	
EC227	Steve Ferguson	ASHRAE	Adds space by space method for lighting design as an alternative to interior lighting power allowances, consistent with ASHRAE 90.1.	Approval	
EC228	Ron Majette	DOE	Requires separate monitoring of energy usage for lighting, HVAC, and plug loads for buildings over 10,000 square feet.	Approval	
EC229	Richard Heinisch	Acuity Brands Lighting	Permits code official to require design specifications and drawings of lighting systems and operating/maintenance manuals.		
EC230	Steve Ferguson	ASHRAE	Adds efficiency requirements for transformers and other equipment, consistent with ASHRAE 90.1.	Approval	
EC231	John Addario	NY DOS Code Enforcement	Adds definition of thermal block as referenced in performance path, consistent with definition in ASHRAE 90.1.	Approval	
EC232	Chris Mathis & Jonah Butcher	MC2 Mathis Consulting	Adds new appendix with alternative prescriptive measures designed to achieve efficiency beyond IECC minimums.	Concerned -- support concept but needs improvements	Needs modification to make consistent with other base code proposals

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Prop Num.	Proponent	Representing	Summary	Recommended Action	Comments
IRC					
RE1	Bill Fay & Brian Dean	Efficient Codes Coalition & ICF Int'l	Replaces IRC Chap. 11 with a requirement to meet the IECC and imports the IECC requirements into new Appendix R of the IRC.	Approval	
RE2	Jeff Harris & Ron Majette	ASE & DOE	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.	Approval -- Prefer RE1	
RE3	Guy Tomberlin	VA Plumbing & Mech Inspectors/VA Code Officials & ICC Region 7	Replaces IRC Chap. 11 with IECC Chap. 4.	Approval -- Prefer RE1, RE2, RE4	
RE4	Guy Tomberlin	VA Plumbing & Mech Inspectors/VA Code Officials & ICC Region 7	Replaces IRC Chap. 11 with a requirement to meet IECC Chap. 4.	Approval -- Prefer RE1	
RE5	Garrett Stone	Cardinal Glass	Restores fenestration maximum U-factor and SHGC trade-off cap to the IRC consistent with 2009 IECC trade-off cap.	Approval -- Prefer EC96	EC96 improves current IECC language and imports it into IRC.
RE6	Alex Bosenberg	Luminaire Product Section	Clarifies that air sealing requirements for recessed lighting applies to luminaires installed <i>in contact with</i> the thermal building envelope.		
RE7	John Addario	NY DOS Code Enforcement	Requires that heat traced systems, in addition to service hot water piping, be insulated to R-2.	Approval	
ADMINISTRATIVE					
ADM3	Zaida Basora	AIA	Adds sustainability to the intent of IBC and IECC.	Concerned -- Prefer ADM24.	Part 1 will be heard by the Admin Committee; Part 2 will be heard by IRC B/E Committee.
ADM9	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Requires construction documents to contain summaries of how the building meets code requirements to assist code officials and field inspectors; adds requirements to IRC construction documents to maintain consistency with IECC requirements.	Approval	Part 1 will be heard by the Admin Committee; Part 2 will be heard by IRC B/E Committee.
ADM15	John McGee	Binswanger Glass Training Center	Exempts glass and glazing applications from permit requirement.	Disapproval	Part 1 will be heard by the Admin Committee; Part 2 will be heard by IRC B/E Committee.
ADM17	Joseph Hill	NY DOS	Permits state energy regulatory authority to approve software and compliance materials to comply with code, but allows code officials to approve above code programs.		To be heard by Admin Committee.
ADM24	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Clarifies that scope of IECC includes effective use and conservation of energy over the building's useful life.	Approval	To be heard by IECC Committee

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ADM25	Joseph Hill	NY DOS	Clarifies that mixed occupancy standards apply only to buildings of three stories or less.		Inconsistent w/ approach taken in EC10. To be heard by IECC Committee;
ADM26	Michael Burnetter	NY DOS Code Enforcement	Seeks to encourage use of renewable resources by applying low-energy building standard only to the use of fossil fuel or electric power.	Disapproval	Like concept but applies to broadly. To be heard by IECC Committee
ADM27	Michael Burnetter	NY DOS Code Enforcement	Deletes requirement that buildings must comply with code where change in occupancy would result in higher demand for fossil fuel or energy; adds requirement to comply with lighting requirements where use of space changes <i>and</i> the space undergoes lighting fixture alteration.	Disapproval	To be heard by IECC Committee
ADM28	Ron Majette	DOE	Allows code official to deem other energy efficiency programs as <i>meeting</i> the requirements of the IECC; removes the requirement that all "mandatory" measures be met.	Disapproval	Mandatory measures are intended to be met regardless of the compliance path; to be heard by IECC Committee. DOE proposal is inconsistent with position in last cycle.
ADM29	Rob Pickett	Log Homes Council	Adds a requirement that log structures meet the provisions of ICC400.	Disapproval	To be heard by IECC Committee
ADM30	Prindle, Harris, Misuriello, Stone, Rosenstock & Dean	EECC	Updates exemption for low-energy buildings consistent with 30% improvement in efficiency.	Approval	To be heard by IECC Committee
ADM31	Ken Sagan	NAHB	Removes requirement that all "mandatory" measures must be met in above code programs.	Disapproval	Mandatory measures are intended to be met regardless of the compliance path; to be heard by IECC Committee
ADM39	Multiple	Multiple	Updates referenced standards in 2012 International Codes, including ASHRAE 90.1-2010.	Approval	