

Group 1 Code Change Proposals - 2018
WSEC - Commercial

‡Short Form

Returned for correction

Date Received	Proponent	Code	Section	Log Number	Description	TAG Action/ Recommendation	Committee Action	Council Action
5/25/2018	Eric Vander Mey	WSEC‡	C101.2	EG001-2018 (R)	Scope - Group R sleeping units	Approve		
5/18/2018	Robby Oylear	WSEC‡	C103.6.1	EG002-2018	Record Documents	WITHDRAWN BY PROPONENT		
5/25/2018	Eric Vander Mey	WSEC‡	C103.6.1	EG003-2018	Record Documents	Modified		
5/23/2018	Mike Kennedy	WSEC	C403, C404, C406, C407	EG004-2018	Renewable energy/site energy requirements			
5/25/2018	Nathan Miller, Rushing	WSEC‡	C104.2.2	Env005-2018	Thermal envelope in core & shell	Modified		
5/25/2018	Nathan Miller, Rushing	WSEC‡	C202 Bldg Entrance	Env006-2018	Def: building entrance	Modified		
5/25/2018	Nathan Miller, Rushing	WSEC‡	C202 MTDS	Env007-2018	Def: Mass transfer slab edge	Modified		
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C202 Roof	Env008-2018	Def: Single-rafter roof, roof assembly	Modified		
5/25/2018	Duane Jonlin, Seattle	WSEC‡	C202, CI	Env009-2018	Def: continuous insulation	Modified		
5/25/2018	Nathan Miller, Rushing	WSEC‡	C303.1.5 NEW	Env010-2018	Defaults for spandrel panels	Approve		
5/25/2018	Eric Makela, NBI	WSEC	C402.1, C402.2	Env011-2018	Thermal bridging	Disapprove		
5/25/2018	Lisa Rosenow, NEEC	WSEC	C402.1.1	Env012-2018	Greenhouses: heating	Tabled to 7/13		
5/25/2018	Lisa Rosenow, NEEC	WSEC	C402.1.1	Env-013-2018	Greenhouses: envelope	Tabled to 7/13		
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C402.1.1.2	Env014-2018 (R)	Semi-heated bldg def/exception?	Modified		
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C402.1.2	Env015-2018	Equipment building - Heat pump	Approve		
5/25/2018	Nathan Miller, Rushing	WSEC‡	C402.1.3 NEW	Env023-2018	Adds new section for elevator hoistway insulation	Approve		
5/25/2018	David Mann, ACC	WSEC	C402.1.3	Env016-2018	R-15+5 std framing			
5/25/2018	David Mann, ACC	WSEC	C402.1.3 & C402.1.4 above grade	Env017-2018	Add std framing values			
5/25/2018	Eric Lacey, RECA	WSEC	C402.1.3 & C402.1.4 above grade	Env018-2018	Increased values for above grade walls	Tabled		
5/25/2018	David Mann, ACC	WSEC	C402.1.3 & C402.1.4 Mass	Env019-2018	Increased to IECC levels			
5/25/2018	David Mann, ACC	WSEC	C402.1.3 & C402.1.4 Mass 2	Env020-2018	Mod of Mass wall FN c			
5/25/2018	Tom Young, NWCMA	WSEC	C402.1.3 fn c	Env021-2018	Adds building types to FN c			
5/25/2018	Tom Young, NWCMA	WSEC	C402.1.3 fn h	Env022-2018	Mod of FN h for stainless			
5/25/2018	Nathan Miller, Rushing	WSEC‡	C402.1.3/C402.1.4	Env024-2018	Adds values for transfer deck slab edge			
5/23/2018	Mike Kennedy	WSEC*‡	C402.1.5	Env025-2018	corrects 2015 equation	Approve for action (Check previous action on SHGC)		
5/23/2018	Mike Kennedy	WSEC‡	C402.1.5	Env026-2018	Modification of equations	Tabled		
5/25/2018	Duane Jonlin, Seattle	WSEC‡	C402.1.5	Env027-2018 (R)	Modification of equations	Tabled		
5/25/2018	Eric Vander Mey	WSEC‡	C402.1.5	Env028-2018	Adds Reference to C402.4.1.4, high performance mechanical	Tabled		
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C402.1.5.1	Env029-2018	Adds Reference to C402.1.4.1, steel-framed walls			
5/25/2018	Eric Vander Mey	WSEC‡	C402.2.1	Env030-2018	Roof drains			
5/25/2018	Nathan Miller, Rushing	WSEC‡	C402.2.1.1 NEW	Env031-2018	Rooftop HVAC curbs			
5/25/2018	Nathan Miller, Rushing	WSEC‡	C402.4 T area w	Env032-2018	Add FN for area weighted calculations			

5/25/2018	Nathan Miller, Rushing	WSEC‡	C402.4 T orient	Env033-2018	Add FN defining orientation
5/25/2018	Eric Lacey, RECA	WSEC	C402.4 Table	Env034-2018	Only fixed and operable; deletes metal/nonmetal
5/25/2018	Eric Makela, NBI	WSEC	C402.4 Table	Env035-2018	Replaces current table; adds curtain wall & site built
5/25/2018	Dave Baylon, Ecotope	WSEC‡	C402.4.1.5 NEW	Env036-2018	Unlimited glazing option
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C402.4.1	Env037-2018 (R)	Addresses window to wall area
5/23/2018	Mike Kennedy	WSEC	C402.4.1.1	Env038-2018	Increase % within daylight zone to 50%
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C402.4.1.1	Env039-2018	Net floor area
5/25/2018	Nathan Miller, Rushing	WSEC‡	C402.4.1.1	Env040-2018	Visible transmittance
5/25/2018	Eric Lacey, RECA	WSEC	C402.4.1.3	Env041-2018	Removes framing types
5/25/2018	Jon Heller, Ecotope	WSEC‡	C402.4.1.4	Env042-2018	Deletes high perf mechanical fenestration allowance
5/25/2018	Neall Digert, Solutube	WSEC	C402.4.2	Env043-2018	Tubular daylight devices
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C402.4.2	Env044-2018	Minimum skylight area exception mod
5/25/2018	Louis Starr, NEEA	WSEC	C402.5.1.2	Env045-2018	Tightens the air leakage testing
5/25/2018	Mike Fowler, PHNW	WSEC	C402.5.1.2, C406.9	Env046-2018	Reduces leakage rate to 0.25
5/18/2018	Robby Oylear	WSEC	C402.5.7	Env047-2018	Small building exception/vestibules
5/25/2018	Eric Vander Mey	WSEC‡	C402.5.7	Env048-2018	Exc. 4, smaller building areas
5/25/2018	Nathan Miller, Rushing	WSEC‡	C202 Mech Cooling	EM049-2018	Def: mech cooling & heating
5/25/2018	Louis Starr, NEEA	WSEC	C403.1.1 NEW	EM050-2018	Total system performance ratio
5/25/2018	Jeff Sloan, ASHRAE	WSEC	C403.1.3 NEW	EM051-2018	ASHRAE for data centers
5/25/2018	Eric Vander Mey	WSEC‡	C403.10.1	EM052-2018	Cleanup of outdoor air req
5/18/2018	Robby Oylear	WSEC	C403.10.3	EM053-2018	Pipe insulation
5/23/2018	Mike Kennedy	WSEC‡	C403.2.1	EM054-2018	Zone isolation
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.2.2	EM055-2018	Ventilation with energy recovery
5/25/2018	Eric Vander Mey	WSEC‡	C403.2.2 Ex 4	EM056-2018	Ventilation with energy recovery
5/25/2018	Eric Vander Mey	WSEC‡	C403.2.2 Ex 5	EM057-2018	Ventilation with chilled beams
5/25/2018	Eric Vander Mey	WSEC‡	C403.2.2.2	EM058-2018	Exhaust rates
5/25/2018	Eric Vander Mey	WSEC‡	C403.3.2	EM059-2018	Air to water heat pumps
4/10/2018	Keith Coursin, Desert Aire	WSEC	C403.3.5	EM060-2018	DOAS
5/24/2018	Michael Baranick	WSEC‡	C403.3.5	EM061-2018	DOAS building types
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.3.5	EM062-2018	DOAS building types
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.3.5	EM063-2018	DOAS air delivery
5/25/2018	Duane Jonlin, Seattle	WSEC‡	C403.3.5.1	EM064-2018	DOAS air flow rates
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.3.5.1	EM065-2018	DOAS Energy recovery
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.3.5.4	EM066-2018	DOAS supply air heating
5/25/2018	Eric Vander Mey	WSEC‡	C403.4.1	EM067-2018	DOAS thermostat controls
5/25/2018	Eric Vander Mey	WSEC‡	C403.4.1.4	EM068-2018	Conditioned vestibules
5/25/2018	Eric Vander Mey	WSEC‡	C403.4.1.6 NEW	EM069-2018	Door HVAC control
5/25/2018	Nick O'Neil	WSEC	C403.4.2.3	EM070-2018	Auto start & stop controls
5/25/2018	Eric Vander Mey	WSEC‡	C403.4.2.4 NEW	EM071-2018	Off hour controls - exhaust
5/25/2018	David Derse, Rushing	WSEC‡	C403.4.3.3.2	EM072-2018	Heat rejection - cooling towers
5/18/2018	Robby Oylear	WSEC	C403.4.6	EM073-2018	Variable flow control reset
5/25/2018	Barry Jostol	WSEC	C403.4.6	EM074-2018	Variable flow control reset
5/25/2018	Eric Vander Mey	WSEC	C403.4.7.1 NEW	EM075-2018	Controls, decorative appliances
5/25/2018	Eric Vander Mey	WSEC‡	C403.4.9, C403.4.10	EM076-2018	Deadband requirements
5/24/2018	Michael Baranick	WSEC‡	C403.5	EM077-2018	Exc for natural ventilation

5/24/2018	Robby Oylear	WSEC	C403.5	EM078-2018	Rewrite exception 9
5/25/2018	Reid Hart, PNNL	WSEC‡	C403.5	EM079-2018	Revise economizer exceptions
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.5	EM080-2018	Revise DOAS exception
5/25/2018	Reid Hart, PNNL	WSEC‡	C403.5.3.3	EM081-2018	High limit values for cycling fans
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.6.1	EM082-2018	VAV systems
5/25/2018	Eric Vander Mey	WSEC‡	C403.6.10	EM083-2018	HE VAV systems
5/25/2018	Jon Heller, Ecotope	WSEC‡	C403.7.1	EM084-2018	DCV & DOAS
5/25/2018	Michael Baranick	WSEC‡	C403.7.2	EM085-2018	Occupancy sensors & DOAS
5/25/2018	Eric Vander Mey	WSEC‡	C403.7.2	EM086-2018	Occupancy sensor controls
5/25/2018	Eric Vander Mey	WSEC‡	C403.7.2 Exc	EM087-2018	Occ Sensors - exc to maintain ventilation during occupied hours
5/7/2018	Mike Moore HVI	WSEC	C403.7.7.1	EM088-2018	Energy recovery for all Group R
5/25/2018	Eric Vander Mey	WSEC‡	C403.7.7.1	EM089-2018	ERV - remove ex 5
5/25/2018	Eric Vander Mey	WSEC‡	C403.7.8	EM090-2018	Transfer air
5/18/2018	Robby Oylear	WSEC	C403.7.9	EM091-2018	Shutoff dampers
5/25/2018	Eric Vander Mey	WSEC‡	C403.7.9	EM092-2018	Shutoff dampers
5/18/2018	Robby Oylear	WSEC‡	C403.8.1	EM093-2018	Fan power in existing bldg mods
5/22/2018	Robby Oylear	WSEC	C403.8.1	EM094-2018	DOAS/Terminal units
5/19/2018	Robby Oylear	WSEC	C403.8.1(2) T	EM095-2018	Static air mixers
5/24/2018	Michael Baranick	WSEC‡	C403.8.1(2) T	EM096-2018	Pressure drop adjustment
5/25/2018	Eric Makela, NBI	WSEC	C403.8.4	EM097-2018	Res fan efficacy
5/25/2018	Duane Jonlin, Seattle	WSEC	C403.8.5.1 T	EM098-2018	DX cooling systems
5/25/2018	Robby Oylear	WSEC	C403.9.8, C403.7.7, C403.5	EM099-2018	Heat recovery chillers
5/25/2018	Eric Vander Mey	WSEC‡	C404.13 NEW	EW100-2018	Water pressure booster systems
5/25/2018	Eric Makela, NBI	WSEC	C404.2.1	EW101-2018	Service water heating
5/25/2018	Eric Vander Mey	WSEC‡	C202 Public Lav	EW102-2018	Def: Public lavatory
5/25/2018	Eric Makela, NBI	WSEC‡	C404.3.1 T	EW103-2018	Pipe Length
5/25/2018	Eric Vander Mey	WSEC‡	C404.4	EW104-2018	Heat traps
4/4/2018	Eric Vander Mey	WSEC*‡	C404.6	EW105-2018	Final pipe run exception Approve for action
5/25/2018	Eric Vander Mey	WSEC‡	C404.6 (Duplicate-- see 008)	EW107-2018	Final pipe run exception
5/25/2018	Susanne Brown, Ecotope	WSEC	C404.6	EW106-2018	Thermal bridging/pipe insulation
5/25/2018	Susanne Brown, Ecotope	WSEC	C404.7.1	EW108-2018	Demand based water recirculation systems
5/25/2018	Eric Vander Mey	WSEC‡	C404.7.1	EW109-2018	Heated water circulation systems
5/25/2018	Eric Vander Mey	WSEC‡	C404.9	EW110-2018	Hot water meters
5/25/2018	Eric Makela, NBI	WSEC	C405.1	EL111-2018	High efficacy lamps - residential
5/25/2018	Eric Vander Mey	WSEC‡	C405.1	EL112-2018	Residential lighting
5/25/2018	Mike Kennedy	WSEC	C405.2	EL113-2018	Lighting controls - 90.1
5/22/2018	Andrew Pultorak, PSE	WSEC	C405.2 C202‡	EL114-2018	LLLC
5/25/2018	Duane Jonlin, Seattle	WSEC‡	C405.2.2.1	EL115-2018	Controls correction
5/25/2015	Duane Jonlin, Seattle	WSEC‡	C405.2.4	EL116-2015	Daylight responsive controls
5/25/2018	CJ Brockway	WSEC	C405.2.7.2	EL117-2018	Decorative lighting
5/25/2018	CJ Brockway	WSEC	C405.4.1	EL118-2018	Total connected lighting power
5/25/2018	Mike Kennedy	WSEC	C405.4.2	EL119-2018	Interior lighting power
5/21/2018	Maris Avots	WSEC	C405.4.2(2) T	EL120-2018	Space by space - hair & beauty salons
5/25/2018	Duane Jonlin, Seattle	WSEC‡	C405.4.2(2) T	EL121-2018	Interior lighting power allowance
5/25/2018	Eric Makela, NBI	WSEC	C405.5.1	EL122-2018	High efficacy lamps - exterior
5/25/2018	Eric Vander Mey	WSEC‡	C405.7	EL123-2018	Dwelling unit meters

5/25/2018	Eric Vander Mey	WSEC‡	C405.8	E1124-2018	Electric motor efficiency	
5/25/2018	Eric Makela, NBI	WSEC	C406	E0125-2018	Options package table	
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C406.1	E0126-2018	Options package clarifications	
5/25/2018	Nick O'Neil	WSEC	C406.10 NEW	E0127-2018	Enhanced kitchen equipment	
5/25/2018	Jon Heller, Ecotope	WSEC‡	C406.10 NEW	E0128-2018 (R)	High performance DOAS	
5/25/2018	Eric Vander Mey	WSEC	C406.10 NEW	E0129-2018	Additional metering	
5/25/2018	Jon Heller, Ecotope	WSEC‡	C406.11 NEW	E0130-2018 (R)	High performance service water heating - multifamily	
5/25/2018	Ronald Blasser	WSEC	C406.11 NEW	E0131-2018		WSEC
5/25/2018	Susanne Brown, Ecotope	WSEC	C406.12 NEW	E0132-2018 (R)		WSEC
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C406.2	E0133-2018		WSEC
5/25/2018	Barry Jostol	WSEC	C406.2.2	E0134-2018		WSEC
5/25/2018	Eric Vander Mey	WSEC‡	C406.3.2	E0135-2018		WSEC
5/25/2018	Reid Hart, PNNL	WSEC‡	C406.4	E0136-2018		WSEC
5/25/2018	Reid Hart, PNNL	WSEC‡	C406.4	E0137-2018		WSEC
5/25/2018	Jon Heller, Ecotope	WSEC‡	C406.6	E0138-2018		WSEC
5/25/2018	Eric Vander Mey	WSEC‡	C406.7	E0139-2018	Clarification of water heating option	
5/25/2018	Tom Young, NWCMA	WSEC	C401.2	EP140-2018	Add ASHRAE App G as alt compliance path	
5/25/2018	Michael Rosenburg, PNNL	WSEC	C407	EP141-2018	Adopt App G in place of C407	
5/25/2018	Nathan Miller, Rushing	WSEC‡	C407	EP142-2018	Placeholder C407	WITHDRAWN BY PROPONENT
5/23/2018	Mike Kennedy	WSEC	C407.3	EP143-2018	Limits envelope reduction	
5/25/2018	Eric Lacey, RECA	WSEC	C407.3	EP144-2018	Limitation on amount of on-site production credit	
5/25/2018	David Mann, ACC	WSEC	C407.4.2	EP145-2018	Limitation on amount of on-site production credit	
5/25/2018	Treasa Sweek	WSEC	C202	EC146-2018	Modifies def. of bldg cx & certified cx professional	
5/25/2018	Treasa Sweek	WSEC	C403, C404, C405, C409	EC147-2018	Reinstates pointer sections	
5/25/2018	Treasa Sweek	WSEC	C408, C103.6.2	EC148-2018	Process changes	
5/25/2018	Treasa Sweek	WSEC	C408, C104.2.6	EC149-2018	Enforcment modifications	
5/25/2018	Treasa Sweek	WSEC	C408.1, C410, C501.7	EC150-2018	Increases scope of requirements	
5/25/2018	David Derse, Rushing	WSEC‡	C408.1.4.2	EC151-2018	Phased acceptance	
5/18/2018	Robby Oylear	WSEC‡	C408.2	EC152-2018	Mechanical equip capacity clarification	
5/25/2018	David Derse, Rushing	WSEC‡	C408.2.2	EC153-2018	Balancing & adjusting certification	
5/25/2018	Eric Vander Mey	WSEC‡	C409.1.3 NEW	E154-2018	Reference to dwelling meter requirements	
5/25/2018	Michael Baranick	WSEC‡	C409.3	E155-2018	Add requirements from seattle code	
5/25/2018	Eric Vander Mey	WSEC‡	C409.3, C409.4.3	E156-2018	Minor load exclusion	
5/25/2018	Eric Vander Mey	WSEC	C409.3.3 NEW	E157-2018	Vehicle charging stations	
5/25/2018	Duane Jonlin, Seattle	WSEC‡	C410.2.1	E158-2018	Glass insulation - walk-ins	
5/25/2018	Amy Wheelless	WSEC	C411 NEW	E159-2018	solar readiness	
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C501.4.1	E160-2018 (R)	Calculation of loads	
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C501.4.2	E161-2018	Envelope compliance	
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C502.2, C503.2, C505.1	E162-2018	Envelope compliance	
5/25/2018	Lisa Rosenow, NEEC	WSEC‡	C502.2.2	E163-2018	Skylight area	
5/25/2018	Michael Baranick	WSEC‡	C502.2.3	E164-2018	Small additions exempt from DOAS	

5/25/2018	Lisa Rosenow, NEEC	WSEC#	C503.1, C503.4	E165-2018	Mechanical alterations
5/25/2018	Lisa Rosenow, NEEC	WSEC#	C503.3.2.1, C504.2	E166-2018	Replacement fenestration
5/18/2018	Robby Oylear	WSEC#	C503.4	E167-2018	Mechanical alteration fix
5/25/2018	Michael Baranick	WSEC#	C503.4	E168-2018	Fan power exception
5/25/2018	Lisa Rosenow, NEEC	WSEC#	C503.4 T	E169-2018	Update Economizer table
5/25/2018	Lisa Rosenow, NEEC	WSEC#	C503.6	E170-2018	Lighting alterations
5/25/2018	Mike Fowler	WSEC	App E NEW	E171-2018	Outcome based compliance