

Group 1 WSEC-Commercial Code Proposals - 2021

Proponent	Section	Subject	Init. Log Number	Notes	Tentative Date	TAG Action	Committee Action	Council Action
Duane Jonlin, City of Seattle	403.11	Extend radiant heating req't to include unheated spaces	21-GP1-172	6/25: Tabled needs language refinement	23-Jul			
Sean Denniston, New Buildings	404.14	DR Water Heaters	21-GP1-99		23-Jul			
Lisa Rosenow, Evergreen Technology Consulting	202, 403.3.5.1, 403.3.5.2, 403.3.5.3, 403.3.5.4, 406.7	DOAS fan power	21-GP1-110		23-Jul			
Nicholas O'Neil, Energy 350	202, 403.8.1, 403.8.1.1, 403.8.1.2, 503.4, 503.4.6, 403.3.5.1, 403.6.10,	Fan Power Allowance tables	21-GP1-138	6/25: Tabled; Revision rec'd 7/15/21	23-Jul			
Duane Jonlin, City of Seattle	403.12	Reduce fenestration U-values	21-GP1-161	7/16: Tabled	23-Jul			
Mike Baranick, Hargis Engineers	403.1.1	HVAC TSPR	21-GP1-119	6/25: Tabled	23-Jul			
Michael Rosenberg Pacific NW National	403.1.1 and App D	HVAC TSPR	21-GP1-69	6/25: Tabled	23-Jul			
Jonny Kocher, RMI	403.1.4, 407, 503.4.1, 503.4.6	Space Heating Proposal	21-GP1-103	6/11: concern regarding HP use in colder climates; look at other codes for partial electrification/exceptions; allowances for other technology	23-Jul	** AM 7/16/21 but will revisit 7/23 for technical amendments		
Eric Vander Mey, Rushing	403.10.3	Refrigerant piping clarifications	21-GP1-226	6/25/21: Table Workgroup consists of Eric, Robby, Howard Ahern & Duane	23-Jul			
Mike Kennedy	403.2.2, 406.6, 406.7	Over 150 pct Ventilation - DOAS ERV	21-GP1-188		23-Jul			
Mike McGivern	403.2.3	DDC Systems	21-GP1-008	6/11: Concerns regarding general provision but not the change; 6/25 Tabled--Eric, Mike M. & David Reddy to work on fixes--HVAC system and correlate with 403.5.5	23-Jul			
Lisa Rosenow, Evergreen Technology Consulting	Chapter 6, 403.3.5.1, 403.3.6, 406.7	DOAS Sensible Recovery Readiness	21-GP1-113		23-Jul			
Lisa Rosenow, Evergreen Technology Consulting	403.3.5.1	DOAS DCV Exception	21-GP1-111		23-Jul			
Duane Jonlin, City of Seattle	403.3.5.1	60% enthalpy ERV required for DOAS, except R1/R2	21-GP1-165		23-Jul			
Henry Odum, Ecotope	403.3.5.5	DOAS Tempering	21-GP1-239		23-Jul			
Duane Jonlin, City of Seattle	403.3.7 new section	Hydronic system max flow in piping system	21-GP1-166	6/11: Tabled 6/25: Tabled--checking the 6" row values with ASHRAE Duane, Robby, Allan and Mike Kennedy	23-Jul			
Eric Vander Mey, Rushing	403.4.11	DDC Controls	21-GP1-227	6/11: Tabled; 6/25: Tabled-Eric to work with Lisa, Mike K & Chris B on clarifications, definitions; Revision rec'd 7/15/21	23-Jul			

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Henry Odum, Ecotope	403.5.11 & 403.14	Operable Openings	21-GP1-240	6/25: Tabled-Henry, Patrick & Duane. Issues: size, possible split of off/setback based on size, correlation with 403.4.1.6	23-Jul			
Mike Kennedy	403.7.1	DCV	21-GP1-190	6/25: Tabled	23-Jul			
Mike Kennedy	403.7.5	Garage Ventilation	21-GP1-191	6/25: Tabled	23-Jul			
Eric Vander Mey, Rushing	403.7.5.2	Parking garage vent controls	21-GP1-229	6/25: Tabled	23-Jul			
Nicholas O'Neil, Energy 350	403.7.7.1.3	Kitchen DCV	21-GP1-236	6/25: Tabled	23-Jul			
Mike Kennedy	403.8.1	DOAS Allowable fan motor horsepower	21-GP1-187		23-Jul			
Duane Jonlin, City of Seattle	403.9.1	Set cooling tower condenser water max temp	21-GP1-171	6/25: Tabled Duane & Allan working on rewrite	23-Jul			
Duane Jonlin, City of Seattle	404.11.1	Pool water heaters over 2000 gallons req'd to be heat pump	21-GP1-177		23-Jul			
Michael Rosenberg Pacific NW National	407	Total Building Performance	21-GP1-70	6/25: Tabled	23-Jul			
Mike Baranick, Hargis Engineers	407.2 & 407.3	Mandatory Requirements	21-GP1-117	6/25: Tabled	23-Jul			
Sean Denniston, New Buildings Institute	403.4.1	DR Thermostats	21-GP1-97	6/11: Needs further work-- clarification of exception; ensure availability for integral therm; utility compatability	23-Jul			
Robby Oylear	403.4.4	Part load controls	21-GP1-54	6/11: Need some definitions and work on threshold	23-Jul			
Eric Vander Mey, Rushing	403.5 Exceptions 1 and 5	Airside Economizer	21-GP1-228	6/11: minor revision; General consensus	23-Jul			
Robby Oylear	403.3, 403.3.7, 403.3.7.1	New sub-section to 403.3 Equipment Selection 403.3.7 Hydronic Coil Selection 403.3.7.1 Chilled-Water Coil Selection	21-GP1-52	6/11: conflicts with proposal 147; Mark, Robby & Elizabeth working on correlation; 7/21: received revision	23-Jul			
Mark Frankel, Ecotope	403.3.1.1	Hot Water Coil Capacity	21-GP1-147	6/11: conflicts with proposal 52; Mark, Robby & Elizabeth working on correlation	23-Jul			
Mike Kennedy	403.3.2.4, 403.4.1.1	Packaged electric heating and cooling equipment.	21-GP1-194	6/11: some concerns re availability; general consensus	23-Jul			
Sean Denniston, New Buildings Institute	403.15	Indoor Horticulture Dehumidification	21-GP1-95	6/25: Tabled Workgroup: Sean, Allan, Duane	23-Jul			
Lisa Rosenow, Evergreen Technology Consulting	403.5	PTHP Econo Exp for Group R1 and I1	21-GP1-184	6/11: General consensus	23-Jul			
Lisa Rosenow, Evergreen Technology Consulting	403.5	Group R2 Exclusion for Econo Exp 1	21-GP1-185	6/11: General consensus	23-Jul			
Nicholas O'Neil, Energy 350	202, 403.1.3	Data Center MLC Updates	21-GP1-235	6/11: Questions around using 0.16 value; table proposal until discussed with 90.1 committee	23-Jul			

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Jonny Kocher, RMI	404.2.1, 404.2.2, 406.1, 406.8, 406.9	heat pump water heating	21-GP1-136	7/9: Workgroup consisting of Jonny Kocher, Chris Boroughs, Gary Heikkinen, Duane Jonlin, David Reddy, Shaun Vig, Eric Vander Mey, Henry Odum, Chris Little, Emma Johnson, Michael Curtright, Scott Peterson, Mark Rehley, Jonathan Heller, Sean Denniston, Kevin Duell	30-Jul			
CJ Brockway, Sparklab Lighting Design	Table 405.4.2(2) footnotes / 405.2.2.1	Additional interior lighting power	21-GP1-94	6/4: Workgroup on rewrite; 7/9 Workgroup: Irina, Chris Wolgamott, Mike Myer, Andrew, Shaun Durragh, Mike Kennedy, Shiipa Surana	30-Jul			
Duane Jonlin, City of Seattle	405.7.1	Electrical receptacles at gas appliances	21-GP1-179		30-Jul			
Nicholas O'Neil, Energy 350	202, 405.13	UPS efficiency for computer rooms	21-GP1-137		30-Jul			
Doug Smith Meng Analysis	408	Lower Commissioning exception thresholds	21-GP1-101		30-Jul			
Eric Vander Mey, Rushing	409.1	Source vs End use metering exceptions	21-GP1-222		30-Jul			
Mike Kennedy	410	Unscramble refrigeration language	21-GP1-128		30-Jul			
Mike Kennedy	412	COMPRESSED AIR	21-GP1-193		30-Jul			
Gavin Tenold, WA Solar Energy Industries Assoc	202, 406, 407, 412	Community Solar Project	21-GP1-120		30-Jul			
Mike Kennedy	503.8	alterations, comply with 406	21-GP1-195		30-Jul			
Lisa Rosenow, Evergreen Technology Consulting	409.1.2, 409.4.4, 409.5	Metering corrections/clarifications	21-GP1-238		30-Jul			
Aaron Tanner, Rushing	409.4.1 through 409.4.3	Consumption rate and display clarifications	21-GP1-223		30-Jul			
Mark Frankel, Ecotope	411, with carry over to 406, 407	RENEWABLE ENERGY	21-GP1-78		30-Jul			
Lisa Rosenow, Evergreen Technology Consulting	411.1, 502.1, 503.1, 505.1	Solar Readiness Provision	21-GP1-115		30-Jul			
Mark Frankel, Ecotope	501, New 501.7	Building Energy Performance EUI	21-GP1-79		30-Jul			
Lisa Rosenow, Evergreen Technology Consulting	501.2, 503.2, 503.3, 505.1	Change in space conditioning	21-GP1-114		30-Jul			
Sean Denniston	502, 503, new 506	Historic Buildings	21-GP1-102		30-Jul			
Lisa Rosenow, Evergreen Technology Consulting	502.1, 502.2, 502.3, 503.1, 503.3 through 503.7	Existing Building Language Cleanup	21-GP1-112		30-Jul			
Lisa Rosenow, Evergreen Technology Consulting	Table 503.4	PTHP PTAC	21-GP1-183		30-Jul			
Mike Baranick, Hargis Engineers	503.8 (new section)	compliance path for building alterations	21-GP1-118		30-Jul			
Reid Hart, PNNL	403.4.11.1 & 406	HVAC applications	21-GP1-206		30-Jul			
Alexander Ratcliff, PAE Consulting Engineers	406	Fault Detection and Diagnostic System	21-GP1-107		30-Jul			

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Chelsea Guenette, PAE Consulting Engineers	406	DOAS- HR	21-GP1-109		30-Jul			
Aaron Whitlatch, Rushing	406	Lighting reduction	21-GP1-210	6/4: Further discussion necessary	30-Jul			
Aaron Whitlatch, Rushing	406.1	Additional energy efficiency credit requirements	21-GP1-230	Needs wordsmithing or full form	30-Jul			
Austin Bonnes, Rushing	406.1	Heat pump dryers	21-GP1-231	*full form rec'd 6/18/21	30-Jul			
Austin Bonnes, Rushing	406.1	Radiant heating and cooling	21-GP1-232	*full form rec'd 6/10/21	30-Jul			
Austin Bonnes, Rushing	406.1	Temp set points	21-GP1-233	*full form rec'd 6/10/21	30-Jul			
Sean Denniston, New Buildings Institute	406.1	Addtl. Energy Credits Existing Bldgs	21-GP1-100		30-Jul			
Mark Frankel, Ecotope	406.1	Additional efficiency	21-GP1-146		30-Jul			
Reginald Christor, Rushing	406.13	High performance temperature maintenance system	21-GP1-213	Sent back for submittal on standard form rather than short 6/06/21 - 2nd notice sent 6/29; rec'd 7/7	30-Jul			
Chris Little, Rushing	406.13	Drainwater heat recovery	21-GP1-214	Sent back for submittal on standard form rather than short 6/06/21 - 2nd notice sent 6/29; rec'd 7/7	30-Jul			
Chris Little, Rushing	406.13	High efficiency circulation systems	21-GP1-215	Sent back for submittal on standard form rather than short 6/06/21 - 2nd notice sent 6/29; rec'd 7/7	30-Jul			
Anton Leitner, Rushing	406.13	Appendix M plumbing sizing for DCW/DHW	21-GP1-217	Sent back for submittal on standard form rather than short 6/06/21 - 2nd notice sent 6/29; rec'd 7/7	30-Jul			
Chris Little, Rushing	406.13	Low flow showerheads for R-1 and R-2 occupancies	21-GP1-218	Sent back for submittal on standard form rather than short 6/06/21 - 2nd notice sent 6/29; rec'd 7/7	30-Jul			
Eric Vander Mey, Rushing	406.2	Building areas and occupancies	21-GP1-221		30-Jul			
Aaron Whitlatch, Rushing	406.3	Reduced lighting dwelling units	21-GP1-210	6/4: Needs further discussion	30-Jul			
Eric Vander Mey, Rushing	406.5	On-site renewable energy.	21-GP1-220		30-Jul			
Aaron Whitlatch, Rushing	406.7	High performance dedicated outdoor air system (DOAS)	21-GP1-211	Sent back for submittal on standard form rather than short 6/06/21 - 2nd notice sent 6/29; rec'd 7/7	30-Jul			
Clarence Clipper, Centrio	202/403.1.1/ 404.2.2/406	Low-Carbon district energy x 3	21-GP1-121	Sent back for submittal on standard form rather than short; 6/28 returned again for incomplete form; Rec'd 7/20/21	30-Jul			
Clarence Clipper, Centrio	202/407.3/ 404.2.1	Low-Carbon district energy x 2	21-GP1-122	Sent back for standard form; 6/28 returned again for incomplete form; Rec'd 7/20/21	30-Jul			

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Alexander Ratcliff, PAE Consulting Engineers	406.1 & 406.12	Add'l Energy Credits Req.	21-GP1-106		30-Jul			
Rahul Athalye, NORESKO	406.4.13, 406.4.14	Enhanced Kitchen and Laundry equipment in accordance with Section 406.13 and 406.14	21-GP1-88		30-Jul			
Chris Little, Rushing	406.8 and 406.9	clarification of service water heat pump efficiencies	21-GP1-212		30-Jul			
Dan Kirschner, NW Gas Association	Table 406.1 and Sections 406.8 and 406.9	Efficiency	21-GP1-140		30-Jul			
Lisa Rosenow, Evergreen Technology Consulting	202	Definition Updates	21-GP1-148	6/11: Lisa R., Aaron W. & Patrick H. to work on 148, 224 & 225 definitions		AM 7/09/21		
Aaron Whitlatch, Rushing	202	Definitions	21-GP1-224	6/11: Lisa R., Aaron W. & Patrick H. to work on 148, 224 & 225 definitions		AM 7/09/21		
Mike Kennedy	401.1	Process Form	21-GP1-129	6/11: General consensus		AS 6/25/21		
Aaron Whitlatch, Rushing	402.1.1.1	Low energy buildings	21-GP1-225	6/11: Lisa R., Aaron W. & Patrick H. to work on 148, 224 & 225 definitions		AS 7/09/21		
Mike Kennedy	402.1.1.2	Semiheat	21-GP1-130			AM 7/16/21		
Duane Jonlin, City of Seattle	402.1.1.2	Semi-heated buildings definition	21-GP1-158	Revised version 7/6/21		AM 7/09/21		
Duane Jonlin, City of Seattle	202, Table 402.1.3(i)	Continuous insulation, Stainless steel penetrations	21-GP1-157			AS 7/16/21		
Lisa Rosenow, Evergreen Technology Consulting	402.1.5.1, 402.2, Table 402.1.3	General Updates	21-GP1-149	6/11: General consensus		AS 6/25/21		
Lisa Rosenow, Evergreen Technology Consulting	202, Table 402.1.3, Table 402.1.4	Mass Transfer Decks	21-GP1-150	6/11: Lisa R. Duane J & Patrick H. to work on modification		AM 7/16/21		
Luke Howard, Dept of Commerce	402.1.3 footnote c & 402.1.4 footnote d	CMU Walls Table	21-GP1-207			AS 7/16/21		
Luke Howard, Dept of Commerce	402.1.3 footnote c & 402.1.4 footnote d	Elimination of table	21-GP1-208			AS 7/16/21		
Duane Jonlin, City of Seattle	402.1.4.3	PTAC U-factors	21-GP1-160			AS 7/16/21		
Alexander Ratcliff, PAE Consulting Engineers	402.2.5	Rooms containing fuel-burning appliances	21-GP1-104			AS 7/16/21		
Duane Jonlin, City of Seattle	402.2.8 & 9 new sections	Thermal bridging concrete balconies and fenestration framing	21-GP1-159			AS 7/16/21		
Mike Kennedy	402.4.2	Minimum Skylight fenestration	21-GP1-131			AS 7/16/21		
Michael Fowler, Passive House NW	402.5.2 and 402.5.3	Dwelling Unit Enclosure	21-GP1-91			AM 7/16/21		
Chelsea Guenette, PAE Consulting Engineers	402.5.3	Building thermal envelope testing	21-GP1-108			AS 7/16/21		
Duane Jonlin, City of Seattle	402.5.7	No vestibules req'd for doors to outdoor dining	21-GP1-162	6/11: General consensus		AS 6/25/21		
Nicholas O'Neil, Energy 350	202, 403.3.4	Boiler Controls	21-GP1-139	6/11: Needs some modification for scoping and needs correlation with 129		AS 6/25/21		

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Lisa Rosenow, Evergreen Technology Consulting	403.2.1, 403.4.1, 403.4.11.2, 403.4.11.3, 403.8.1, 403.9.2.2, 404.4, 411.2	General Mechanical updates	21-GP1-152	6/11: General consensus		AM 6/25/21		
Duane Jonlin, City of Seattle	403.2.3	5 HP threshold for variable flow	21-GP1-163	6/11: Tabled		AS 6/25/21		
Alexander Ratcliff, PAE Consulting Engineers	403.2.5.7	Air intakes errata	21-GP1-105	6/11: General consensus		AS 6/25/21		
Mike Kennedy	403.3.2	Boiler Efficiency	21-GP1-132	6/11: General consensus with small editorial		AM 6/25/21		
Lisa Rosenow, Evergreen Technology Consulting	403.3.2	General Mechanical updates Equip Re-org	21-GP1-154	6/11: General consensus		AS 6/25/21		
Duane Jonlin, City of Seattle	403.3.2.4	Extend HP requirement from packaged to include split systems	21-GP1-164	6/11: Tabled		AS 6/25/21		
Mike Kennedy	403.3.4.2 (new)	High capacity space heating boiler	21-GP1-133			AS 6/25/21		
Duane Jonlin, City of Seattle	403.4.12 new section	Pressure independent control valves	21-GP1-167	6/11: Tabled		AM 6/25/21		
Mike Kennedy	403.3.5	DOAS Exception modifications	21-GP1-189	6/11: Minor editorial correction to section reference; general consensus 7/15/21		WD 7/15/21		
Lisa Rosenow, Evergreen Technology Consulting	403.6.10	General Mechanical updates-HEVAV	21-GP1-153	6/11: Minor editorial correction to section reference; general consensus		AS 6/25/21		
Duane Jonlin, City of Seattle	403.7.1	DCV threshold moves from 25 to 15 occ/1000 sf	21-GP1-168			AS 6/25/21		
Duane Jonlin, City of Seattle	403.7.5	Clarify that "garage" ventilation include repair garages	21-GP1-169			AM 6/25/21		
Duane Jonlin, City of Seattle	403.7.6	Increase ERV effectiveness from 50% to 60%, except R1/R2	21-GP1-170			AS 6/25/21		
Robby Oylear	403.8.2	Motor nameplate horsepower	21-GP1-51	6/11: Minor revision to formatting; general consensus 6/23/21	Withdrawn by Proponent 6/23/21	WD By proponent 6/23/21		
Lisa Rosenow, Evergreen Technology Consulting	403.10.1.1, 403.10.2	General Mech Updates to Duct Insulation	21-GP1-209	6/11: Minor revision to formatting; general consensus		AM 6/25/21		
Howard Ahern, Airex MFG.	403.10.3.1	Protection of piping insulation	21-GP1-155			AM 6/25/21		
Robby Oylear	403.10.4	Insulation of refrigerant piping	21-GP1-53	6/11: Minor revision to formatting; general consensus 6/25/21	Withdrawn by Proponent 6/25/21	WD By proponent 6/25/21		
Mike Kennedy	Table 404.2	Water Heater	21-GP1-192	Revison rec'd 7/14/21		AM 7/16/21		
Duane Jonlin, City of Seattle	Table 404.3.1	Allow 8 feet of pipe length between circ pipe and lavatory, instead of just 1 or 2	21-GP1-173	6/11: Tabled		AS 6/25/21		
Duane Jonlin, City of Seattle	404.6.1	Storage tank insulation for higher-temperature storage	21-GP1-174			AS 7/16/21		
Duane Jonlin, City of Seattle	404.7.1	Require thermostatic balancing valves and thermostatic mixing valves	21-GP1-175			AS 7/16/21		
Lisa Rosenow, Evergreen Technology Consulting	404.7.1, 404.7.1.1, 404.7.1.2	Circulation pump	21-GP1-182			AM 7/16/21		
Duane Jonlin, City of Seattle	404.7.3.1	Pipe insulation 1" thicker on circulation system piping	21-GP1-176			AS 7/16/21		

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Heli Ojamaa, Blanca Lighting Design	405.2	Interior Lighting Allowance	21-GP1-76	6/4: Needs further work		AM 7/09/21		
Mike Kennedy	405.2	Lighting controls- LLLC	21-GP1-124	6/4: Prefer 178; 7/9: Merged with 178 and 126		WD 7/09/21		
Duane Jonlin, City of Seattle	405.2	Require LLLC lighting or digital lighting control system for large open office areas.	21-GP1-178	6/4: Workgroup on rewrite; 7/9: Merged with 124 and 126		AM 7/09/21		
Mike Kennedy	405.2	LLLC Relocation proposal	21-GP1-126	6/4: High end trim needs more work; 7/9: Merged with 124 and 178		AM 7/09/21		
Shaun Darragh, Lighting Design Lab	405.2.1	Occupant Sensor Controls	21-GP1-93	6/4: Proponent asked to provide further correlation		AM 7/09/21 - But with the understanding it may be revisited		
Shaun Darragh, Lighting Design Lab	405.2.1 Ex 4	Timer Switches	21-GP1-92	6/4: General consensus		AS 7/09/21		
Mike Kennedy	405.2.1.4, 405.2.8	Parking Garage Lighting	21-GP1-127	6/4: General consensus		AS 7/09/21		
Lisa Rosenow, Evergreen Technology Consulting	405.2.2.1, 405.2.5, 405.4.2.2.1, 405.5.2, 405.5.3, 405.9.2	General Lighting Updates	21-GP1-237	6/11: General consensus		AS 7/09/21		
Levi Snow	405.2.4	Daylight Harvesting	21-GP1-026	6/4: Workgroup on rewrite 6/24: Rec'd rewrite		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.2.6	Nonvisual lighting	21-GP1-199	6/4: Needs further work		AM 7/09/21		
Mike McGivern	405.2.6(3)	Luminaires	21-GP1-009	6/4: General consensus		AS 7/09/21		
Mike Kennedy	405.2.7.3	Lighting setback	21-GP1-125	6/4: Modify to keep current height; revise list order		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.2.7.3	Parking Occupancy	21-GP1-202	WD by proponent 7/09/21		WD		
Michael Myer, Pacific NW Ntl Lab	405.2.9	Footprint	21-GP1-200	**missing proposal--This is the same as 198--WD on 6/4		WD		
Sean Denniston, New Buildings Institute	405.3	Plant light efficacy	21-GP1-98	6/4: Genreal approval but needs some additional correlation		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.4.1	Connected power for track	21-GP1-201	6/4: Disagreement on reduced wattage		D 7/09/21		
Daniel Salinas	405.4.2 (2)	Add note for Unfinished Spaces	21-GP1-144	6/4: Workgroup on rewrite		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.4.2.2	LPA Table footnote cleanup	21-GP1-197	6/4: Conversion needs cleanup and correlation		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.4.2.2	Space by Space Method	21-GP1-203	6/4: Conversion needs cleanup and correlation		AS 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.5.1	Exterior building grounds lighting	21-GP1-204	6/4: Revise to keep solar powered luminaire		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.5.3	Exterior Lighting	21-GP1-198	6/4: General consensus		AM 7/09/21		
Michael Myer, Pacific NW Ntl Lab	405.5.3	connected exterior lighting power	21-GP1-205	Withdrawn by proponent 6/04/21		WD		

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Sean Denniston, New Buildings Institute	405.13	Electricification Readiness	21-GP1-96	Requested updated proposal with economic 6/1/21 - 2nd notice sent 6/28; Did not received completed proposal by deadline			Disapproved / Incomplete	
Chris Little, Rushing	406.13	Efficient domestic hot water system distribution	21-GP1-216	Withdrawn by proponent	7/07/21		WD	
Chris Little, Rushing	406.13	Water harvesting systems	21-GP1-219	Withdrawn by proponent	7/07/21		WD	
Dan Kirschner, NW Gas Association	Table 407.3(1)	Cost & Emissions Factors	21-GP1-142				D 6/25/21	
Dan Kirschner, NW Gas Association	Table 407.3(1)	Carbon Emissions	21-GP1-141				D 6/25/21	
Emily Salzberg, Dept of Commerce	Table 407.3(1)	updated carbon emissions factor	21-GP1-156				AS 6/25/21	
Duane Jonlin, City of Seattle	503.6	Reduce threshold for LPA compliance from 50% to 20%	21-GP1-180	6/4: Combine with additional line item from 123; General consensus			AM 7/09/21	
Lisa Rosenow, Evergreen Technology Consulting	503.3.1	Roof retrofit	21-GP1-151	6/11: General consensus			AS 6/25/21	
Mike Kennedy	503.6.1	Luminaire additions and alterations	21-GP1-123	Withdrawn by proponent	6/04/21		WD	
Michael Fowler	App F	F101.3.2 Table	21-GP1-90	6/11: General consensus			AM 6/25/21	