From: Johnson, Gregory
Sent: Thursday, April 16, 2026, 3:38 PM
To: Curb, Dustin (DES); Braaksma, Krista (DES)

Hi Krista,

I've got a late breaking redline update for tomorrow's MVPE committee.

First I want to thank Kjell for getting the initial edits integrated into the draft (email he sent earlier). That was a super big help as I've been super busy as of late! I've reviewed the draft in detail and caught a few items that really need to be included. Summary of redline updates are below:

- **Addition:** I added in the missing credit values for gas fired water heating in restaurants that PNNL just released today.
- **Correction**: Very few credit values and adjustment factors had incorrect values that I corrected to what PNNL provided. It was apparent that these were merely typos, copy 'n paste, and/or transposed numbers. (Includes correction to low flow residential shower heads)
- **Correction**: A few credit measure rows were missing from the table, so I added them in with the corresponding PNNL measure values.
- **Editorial/Clarifying**: PNNL's use of "0" was a bit ambiguous and so I corrected as follows:
    - I replaced '0" credit value with "N/A" for certain credit measures where the credit was truly N/A.
    - I deleted "0" credit value for those credits where the "0" was merely a placeholder because PNNL has yet to calculate the measure.
    - I left "0" credit value as-is for those credits where it was meant to indicate that a credit was truly worth "0" (or if there was any bit of doubt).
- **Relocate**: I had to reorder a few credit measures in Table C406.2(6) Service Water Usage Efficiency Credit Measures so that the measures associated with certain adjustment factors are grouped together for clarity.
- **Editorial:** C406.2 Added the missing words "*meet or*" before "*exceed*". These two words were included in the 279 proposal and must have accidentally gotten missed.
- **Formatting**: Added space on either side of the "/" that separates credit values for the East and West side for better readability and to allow wrapping when necessary
- **Formatting**: Fixed column alignment for the new rows that Kjell added to the table.
- **Editorial/Clarifying:** Deleted rows text where applicable to better signify those credit measures that do not exist vs. those which have yet to have values calculated
- **Editorial/Clarifying:** I added clarifying footnotes to the tables. Thank you, Mike Kennedy, for identifying the locations where we were missing important footnotes.

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AMENDATORY SECTION (Amending WSR 24-16-145, filed 8/7/24, effective 9/7/24)

WAC 51-11C-40620 Section C406.2—Additional energy efficiency credit measures. C406.2 Additional energy efficiency credit measures. ((~~Each~~)) Energy efficiency credit measures used to meet credit requirements for the project shall ((~~include efficiency that is greater than the energy efficiency required for the building type and configuration requirements in Sections C402 through C405. Measures installed in the project that meet the requirements in Sections C406.2.1 through C406.2.14 shall achieve the credits listed for the measure and occupancy group in Table C406.2(1) or Table C406.2(2) or where calculations required by Sections C406.2.1 through C406.2.14 create or modify the table credits, the credits achieved shall be based upon the section calculations. Projects that chose to comply with the fossil fuel pathway in Section C401.3 shall use Table C406.2(2) to achieve credits~~)) meet or exceed the energy efficiency required in Sections C402 through C405. The section references in Tables C406.2(1) through C406.2(9) detail the requirements that must be met to obtain all or part of the credit measure available for the

noted occupancy group and climate zone. Linear interpolation is allowed where multiple efficiency targets are provided.

((~~For mixed fuel space heating systems, the number of space heating energy efficiency credits available for measures with a prorating flag "Heat" are calculated using the following equation:~~

$$~~C_{SH} = CHP_{SH} \times B/C + CFF_{SH} \times (1 - B/C)~~$$

~~Where:~~

~~C_{SH} = Blended credits for mixed fuel systems.~~

~~CHP_{SH} = Credits available in Table C406.2(1).~~

~~CFF_{SH} = Credits available in Table C406.2(2).~~

~~B = Installed space heating capacity in kBTU/h of space heating appliances that comply with any of the exceptions to Section C403.1.4.~~

~~C = Total installed space heating capacity in kBTU/h of all space heating appliances.~~

~~For mixed fuel service water heating systems, the number of service water heating energy efficiency credits available for measures with a prorating flag "SWH" are calculated using the following equation:~~

$$~~C_{WH} = CHP_{WH} \times B/C + CFF_{WH} \times (1 - B/C)~~$$

~~Where:~~

~~C_{WH} = Blended credits for mixed fuel systems.~~

~~CHP_{WH} = Credits available in Table C406.2(1).~~

~~CFF_{WH} = Credits available in Table C406.2(2).~~

~~B = Installed service water heating capacity in kBTU/h of service water~~

~~heating appliances that comply with any of the exceptions to Section C404.2.1.~~

~~C~~ = ~~Total installed service water heating capacity in kBTU/h of all service water heating appliances.~~

~~**Table C406.2(1)**~~

~~**Efficiency Measure Credits**~~

~~**Table C406.2(2)**~~

~~**Efficiency Measure Credits for use with**~~

~~**Fossil Fuel Compliance Path**~~

Table C406.2(1)

Lighting Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
L01	5% reduced lighting power	C406.2.3.1	3/3	6/6	1/1	8/7	0/0	8/6	10/8	12/5	6/5
L02	10% reduced lighting power		6/6	11/11	2/2	17/13	1/1	16/11	21/16	22/9	11/10
~~L03~~	~~15% reduced lighting power~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
L04	20% reduced lighting power		13 / 12	22 / 22	3 / 4	33 / 26	2 / 1	32 / 22	41 / 32	47 / 17	22 / 20
~~L05~~	~~25% reduced lighting power~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
L06	30% reduced lighting power		19 / 18	33 / 33	5 / 6	50 / 39	3 / 2	47 / 33	61 / 46	70 / 26	33 / 30

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
L07	Group R lamp efficacy	C406.2.3.2	2 / 2	N/A	1 / 1	N/A	N/A	N/A	N/A	N/A	N/A
L08	Group R-2 lighting controls	C406.2.4.1	N/A	N/A	1 / 1	N/A	N/A	N/A	N/A	N/A	N/A
L09	Enhanced lighting controls	C406.2.4.2	2 / 2	4 / 4	1 / 1	6 / 5	0 / 0	6 / 5	8 / 6	9 / 4	4 / 4
Lighting adjustment factor (LTG_{adj}) for use with Table C406.2(4)		C406.2.2.2 & 3	0.0073 / 0.0047	0.0014 / 0.0011	0.0050 / 0.0049	0.0049 / 0.0033	0.0100 / 0.0090	0.0040 / 0.0031	0.0035 / 0.0036	0.0023 / 0.0019	0.0043 / 0.0031

Table C406.2(2)

Envelope Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
E01	Total UA Improved 5%	C406.2.12	2 / 4	2 / 4	6 / 11	2 / 20	3 / 3	20 / 26	3 / 10	24 / 26	9 / 16
E02	Total UA Improved 10%		3 / 7	4 / 7	12 / 22	4 / 38	6 / 7	39 / 52	6 / 19	48 / 52	17 / 32
~~E03~~	~~Total UA Improved 15%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
E04	Total UA Improved 20%		6 / 14	8 / 14	21 / 42	4 / 71	11 / 13	76 / 102	9 / 34	89 / 104	31 / 61
~~E05~~	~~Total UA Improved 25%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
E06	Total UA Improved 30%		8 / 21	10 / 20	28 / 62	1 / 97	16 / 20	107 / 151	9 / 45	134 / 157	43 / 89
~~E07~~	~~Total UA Improved 35%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
E08	Total UA Improved 40%		10 / 26	13 / 26	30 / 81	-5 / 112	22 / 27	133 / 195	5 / 50	176 / 212	52 / 115

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
UA adjustment factor (UA_{adj}) for use with Table C406.2(4) items E01 through E08		C406.2.2.2 & 3	0.0416 / 0.0149	0.0100 / 0.0070	0.0216 / 0.0079	0.0105 / 0.0105	0.0062 / 0.0037	0.0052 / 0.0030	0.0036 / 0.0156	0.0027 / 0.0014	0.0142 / 0.0082
E09	Air Leakage Not Exceed 90% Max	C406.2.13	0 / 0	0 / 0	1 / 2	0 / 1	0 / 0	1 / 2	0 / 0	3 / 3	1 / 1
E10	Air Leakage Not Exceed 80% Max		0 / 1	0 / 1	2 / 3	0 / 2	0 / 0	2 / 3	0 / 1	6 / 6	2 / 3
~~E11~~	~~Air Leakage Not Exceed 70% Max~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
E12	Air Leakage Not Exceed 60% Max		1 / 2	1 / 1	4 / 7	0 / 5	0 / 0	4 / 5	0 / 2	13 / 12	4 / 6
~~E13~~	~~Air Leakage Not Exceed 50% Max~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
E14	Air Leakage Not Exceed 40% Max		1 / 2	1 / 2	5 / 10	1 / 7	0 / 1	6 / 8	1 / 3	17 / 18	6 / 9
~~E15~~	~~Air Leakage Not Exceed 30% Max~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
E16	Air Leakage Not Exceed 20% Max		1 / 3	1 / 2	7 / 14	1 / 9	1 / 1	8 / 11	1 / 4	23 / 24	8 / 12
Air leakage adjustment factor ($LEAK_{adj}$) for use with Table C406.2(4) items E09 through E16		C406.2.2.2 & 3	0.0477 / 0.0162	0.0075 / 0.0066	0.0235 / 0.0083	0.0022 / 0.0107	0.0062 / 0.0038	0.0060 / 0.0032	0.0039 / ~~0.~~0.0168	0.0028 / 0.0015	0.0140 / 0.0087

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
E17	Thermal imaging	C406.2.20	/	/	/	/	/	/	/	/	/

Table C406.2(3)

Ventilation Systems and HVAC Controls Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
C01	Group R-2 HVAC control	C406.2.1	N/A	N/A	19 / 27	N/A	N/A	N/A	N/A	N/A	N/A
C02	Improve fan efficiency 5%	C406.2.2.1	3 / 3	5 / 6	3 / 3	3 / 3	1 / 1	3 / 2	5 / 4	1 / 0	3 / 2
	Improve fan efficiency 10%		6 / 6	10 / 11	6 / 5	7 / 6	2 / 1	6 / 5	9 / 7	1 / 0	6 / 5
	Improve Fan Efficiency 20%		21 / 11	21 / 22	12 / 10	14 / 12	3 / 2	13 / 9	18 / 14	3 / 1	12 / 9
C03	High performance DOAS	C406.2.2.6	0 / 0	1 / 1	9 / 19	4 / 5	~~0~~ / ~~0~~	1 / 18	7 / 22	3 / 7	6 / 12
C04	Fault detection & diagnostics (FDD)	C406.2.2.7	/	/	/	/	/	/	/	/	/
C05	Peak heating and cooling loads	C406.2.22	/	/	/	/	/	/	/	/	/
CO 6	Add DOAS if not otherwise required[a]	TBD	-7 / 31	33 / 33	~~0/0~~ N/A	~~0/0~~ N/A	~~0~~ / ~~0~~	~~0/0~~ N/A	~~0/0~~ N/A	20 / 22	5 / 11
CO 7	Add Air Economizer if not otherwise required[b]	TBD	32 / 21	51 / 34	N/A	41 / 21	N/A	3 / 2	48 / 36	0 / 0	15 / 15

a DOAS was included in the baseline models for apartments, offices, retail, and schools.

b Economizers were included in the baseline models for hospitals, hotels, outpatient, resturants, and warehouses.

Table C406.2(4)

Space Heating Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
H01	Improved HVAC TSPR[a] 5%[a]	C406.2.2.1	~~0/0~~N/A	~~0/0~~N/A	50 / 85	-17 / 0	~~0/0~~N/A	155 / 217	67 / 88	~~0/0~~N/A	32 / 53

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	Improved HVAC TSPR[a] 10%[a]		~~0/0~~N/A	~~0/0~~N/A	55 / 92	-8 / 11	~~0/0~~N/A	164 / 229	75 / 99	~~0/0~~N/A	37 / 59
	Improved HVAC TSPR[a] 20%[a]		~~0/0~~N/A	~~0/0~~N/A	65 / 106	10 / 34	~~0/0~~N/A	182 / 253	90 / 119	~~0/0~~N/A	47 / 70
	Improved HVAC TSPR[a] 30%[a]		~~0/0~~N/A	~~0/0~~N/A	75 / 121	29 / 56	~~0/0~~N/A	200 / 276	106 / 139	~~0/0~~N/A	56 / 81
H02	No space heating[b]	C406.2.2.3	32 / 71	~~113~~159 / ~~114~~176	~~28~~62 / ~~57~~144	~~13~~24 / ~~34~~151	~~88~~169 / ~~135~~277	~~101~~200 / ~~158~~334	~~30~~58 / ~~68~~126	~~150~~370 / ~~230~~701	~~54~~121 / ~~121~~318
H03	C403.1.4 Primary space heating exceptions	C406.2.2.3	Same as min. efficiency air source heat pump (~~5a~~H10)								
H04	Fossil fuel boiler or furnace Min Eff.	C406.2.2.3	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
H05	Fossil fuel boiler or furnace Imp. 5%		2 / 3	8 / 8	3 / 6	1 / 3	8 / 13	10 / 16	3 / 7	18 / 33	6 / 15
H06	Fossil fuel boiler or furnace Imp. 10%		3 / 6	14 / 16	6 / 12	2 / 6	15 / 25	18 / 30	5 / 12	34 / 64	11 / 28
H07	Fossil fuel boiler or furnace Imp. 15%		4 / 9	21 / 23	8 / 18	3 / 9	22 / 36	26 / 43	8 / 18	48 / 91	16 / 41
H08	Fossil fuel boiler or furnace Imp. 20%		5 / 12	26 / 29	10 / 23	4 / 12	28 / 46	33 / 55	10 / 23	62 / 117	20 / 52
~~H09~~	~~Fossil fuel boiler or furnace Imp. 25%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H10	Air source heat pump Min Eff.	C406.2.2.3	19 / 31	123 / 126	40 / 73	14 / 35	122 / 170	145 / 209	36 / 76	208 / 297	74 / 150
~~H11~~	~~Air source heat pump Imp. 10%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
H12	Air source heat pump Imp. 20%		21 / 36	130 / 135	40 / 73	15 / 37	126 / 176	151 / 219	37 / 81	214 / 305	76 / 156
~~H13~~	~~Air source heat pump Imp. 30%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H14	Air source heat pump Imp. 40%		23 / 40	135 / 142	42 / 79	15 / 40	130 / 184	156 / 229	39 / 86	219 / 312	78 / 162
~~H15~~	~~Air source heat pump Imp. 50%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H16	Air source heat pump Imp. 60%		24 / 42	138 / 146	44 / 83	16 / 42	133 / 190	160 / 236	40 / 89	223 / 317	80 / 166
~~H17~~	~~Air source heat pump Imp. 70%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H18~~	~~Air source heat pump Imp. 80%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H19~~	~~Air source heat pump Imp. 90%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H20	Ground source heat pump Min Eff.	C406.2.2.3	24 / 55	150 / 154	48 / 105	19 / 57	140 / 226	157 / 254	41 / 103	226 / 337	84 / 183
~~H21~~	~~Ground source heat pump Imp. 10%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H22	Ground source heat pump Imp. 20%		26 / 57	151 / 157	50 / 110	20 / 59	144 / 231	162 / 263	42 / 106	231 / 342	86 / 188
~~H23~~	~~Ground source heat pump Imp. 30%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H24	Ground source heat pump Imp. 40%		27 / 59	152 / 159	52 / 113	20 / 61	146 / 235	166 / 269	43 / 109	235 / 347	88 / 191
~~H25~~	~~Ground source heat pump Imp. 50%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
H26	Ground source heat pump Imp. 60%		27 / 61	153 / 161	53 / 116	21 / 62	148 / 238	169 / 274	44 / 111	238 / 350	89 / 194
~~H27~~	~~Ground source heat pump Imp. 70%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H28~~	~~Ground source heat pump Imp. 80%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H29~~	~~Ground source heat pump Imp. 90%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H30	Gas heat pump Min Eff.	C406.2.2.3	14 / 28	73 / 73	19 / 36	9 / 23	100 / 155	91 / 137	24 / 53	100 / 107	38 / 73
~~H31~~	~~Gas heat pump Imp. 10%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H32	Gas heat pump Imp. 20%		/	/	/	/	/	/	/	/	/
~~H33~~	~~Gas heat pump Imp. 30%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H34	Gas heat pump Imp. 40%		/	/	/	/	/	/	/	/	/
~~H35~~	~~Gas heat pump Imp. 50%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H36	Gas heat pump Imp. 60%		/	/	/	/	/	/	/	/	/
~~H37~~	~~Gas heat pump Imp. 70%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H38~~	~~Gas heat pump Imp. 80%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H39~~	~~Gas heat pump Imp. 90%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H40	Water source heat pump	C406.2.2.3	12 / 17	148 / 134	1 / 1	12 / 21	29 / 46	37 / 59	28 / 52	83 / 177	28 / 84

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	heat Min Eff. (w/ gas boiler)										
~~H41~~	~~Water source heat pump heat Imp. 10%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H42	Water source heat pump heat Imp. 20% (w/ gas boiler)		14 / 21	150 / 137	5 / 10	13 / 25	36 / 59	46 / 74	30 / 57	93 / 189	33 / 922
~~H43~~	~~Water source heat pump heat Imp. 30%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H44	Water source heat pump heat Imp. 40% (w/ gas boiler)		16 / 25	151 / 140	7 / 16	14 / 27	41 / 68	52 / 86	31 / 62	100 / 198	36 / 99
~~H45~~	~~Water source heat pump heat Imp. 50%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H46	Water source heat pump heat Imp. 60% (w/ gas boiler)		17 / 27~~/~~	151 / 142~~/~~	9 / 20~~/~~	14 / 29~~/~~	45 / 75~~/~~	57 / 94~~/~~	32 / 65~~/~~	105 / 205~~/~~	38 / 103~~/~~
~~H47~~	~~Water source heat pump heat Imp. 70%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H48~~	~~Water source heat pump heat Imp. 80%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H49~~	~~Water source heat pump heat Imp. 90%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	Water source heat pump min efficiency (w/ AWHP)		21 / 43	150 / 150	40 / 81	18 / 48	120 / 185	137 / 213	39 / 90	201 / 300	74 / 160
	Water source heat pump Imp 20% (w/ AWHP)		23 / 47	152 / 153	44 / 90	19 / 52	127 / 198	146 / 228	41 / 95	211 / 312	79 / 168
	Water source heat pump Imp 40% (w/ AWHP)		25 / 51	153 / 156	46 / 96	20 / 54	132 / 207	152 / 240	42 / 100	218 / 321	81 / 175
	Water source heat pump Imp 60% (w/ AWHP)		26 / 53	153 / 158	48 / 100	20 / 56	136 / 214	157 / 248	43 / 103	223 / 328	84 / 179
	Gas heat pump cooling Min Eff.		/	/	/	/	/	/	/	/	/
	Gas heat pump cooling Imp. 20%		/	/	/	/	/	/	/	/	/
	Gas heat pump cooling Imp. 40%		/	/	/	/	/	/	/	/	/
	Gas heat pump cooling Imp 60%.		/	/	/	/	/	/	/	/	/

a Projects obtaining TSPR credits are excluded from also obtaining other ventilation and HVAC control [Table C406.2(3)], space heating [Table C406.2(4)], and space cooling [Table C406.2(5)] credit measures for those areas where TSPR crdits are obtained.

b Projects utilizing a C406.1 exception for reduced energy credit requirements are not eligible for the H02 no space heating credit.

Table C406.2(5)

Space Cooling Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
H50	No space cooling[a]	C406.2.2.2	42 / 50/	53 / 61/	49 / 56/ [b]	115 / 119/	13 / 17/	57 / 70/	91 / 110 /	15 / 13/	57 / 63/
H51	Air source Direct expansion Min Eff.	C406.2.2.2	0 / 0/	4 / 2/	0 / 0/	6 / 4/	0 / 0/	0 / 0/	0 / 0/	0 / 0/	1 / 0/
H52	Air source Direct		9 / 10/	15 / 15/	10 / 12/	28 / 28/	3 / 4/	13 / 16/	21 / 25/	0 / 0/	12 / 13/

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	expansion Imp. 250%										
H53	Air source Direct expansion Imp. 540%		30 / 33	23 / 22	61 / 72	61 / 59	20 / 21	35 / 39	47 / 49	0 / 0	44 / 34
H54	Air source Direct expansion Imp. 7560%		35 / 38	28 / 28	64 / 76	69 / 69	21 / 23	41 / 47	55 / 60	0 / 0	48 / 39
~~H55~~	~~Direct expansion Imp. 80%~~		/	/	/	/	/	/	/	/	/
~~H56~~	~~Direct expansion Imp. 100%~~		/	/	/	/	/	/	/	/	/
~~H57~~	~~Direct expansion Imp. 120%~~		/	/	/	/	/	/	/	/	/
~~H58~~	~~Direct expansion Imp. 140%~~		/	/	/	/	/	/	/	/	/
~~H59~~	~~Direct expansion Imp. 160%~~		/	/	/	/	/	/	/	/	/
~~H60~~	~~Direct expansion Imp. 180%~~		/	/	/	/	/	/	/	/	/
H61	Air cooled c~~C~~hiller ~~d water~~ Min Eff.	C406.2.2.2	9 / 9	-5 / -5	-16 / -14	0 / 0	5 / 4	4 / 9	-2 / 6	0 / 0	-7 / 1
H62	Air cooled ~~C~~chiller~~d water~~ Imp. 20%		13 / 13	1 / 1	-10 / -7	9 / 10	6 / 6	10 / 17	9 / 19	0 / 0	-1 / 8
H63	Air cooled ~~C~~chiller ~~d water~~ Imp. 40%		14 / 14	6 / 7	-4 / 0	18 / 19	6 / 7	11 / 18	13 / 23	0 / 0	4 / 11
H64	Air cooled ~~C~~chiller ~~d water~~ Imp. 60%		15 / 15	10 / 11	0 / 5	23 / 25	7 / 8	13 / 19	17 / 27	0 / 0	7 / 13
H65	~~Chilled water Imp. 80%~~Water cooled chiller Min Eff.		12 / 17	39 / 37	-11 / -3	18 / 29	6 / 9	8 / 19	-10 / 4	0 / 0	-1 / 9
H66	~~Chilled water Imp.~~		14 / 19	44 / 42	-5 / 4	25 / 36	6 / 10	11 / 22	-2 / 12	0 / 0	4 / 13

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	~~100%~~Water Cooled chiller Imp 20%										
H67	Water Cooled chiller Imp 40%~~Chilled water Imp. 120%~~		15 / 21~~/~~	47 / 45~~/~~	-1 / 9~~/~~	30 / 41~~/~~	7 / 11~~/~~	14 / 26~~/~~	5 / 19~~/~~	0 / 0~~/~~	8 / 16~~/~~
H68	Water Cooled chiller Imp 60%~~Chilled water Imp. 140%~~		17 / 22~~/~~	50 / 48~~/~~	3 / 13~~/~~	35 / 46~~/~~	8 / 11~~/~~	16 / 28~~/~~	10 / 24~~/~~	0 / 0~~/~~	11 / 19~~/~~
~~H69~~	~~Chilled water Imp. 160%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~H70~~	~~Chilled water Imp. 180%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H71	Water source heat pump cool Min Eff.	C406.2.2.2	-46 / -33~~/~~	-15 / 4~~/~~	4 / 1~~/~~	-13 / -10~~/~~	-1 / 1~~/~~	-4 / 3~~/~~	-17 / -10~~/~~	-3 / -1~~/~~	-5 / -5~~/~~
H72	Water source heat pump cool Imp. 20%		-31 / -20~~/~~	4 / 21~~/~~	13 / 11~~/~~	5 / 12~~/~~	2 / 4~~/~~	7 / 15~~/~~	2 / 11~~/~~	0 / 1~~/~~	6 / 7~~/~~
H73	Water source heat pump cool Imp. 40%		-21 / -10~~/~~	18 / 34~~/~~	20 / 18~~/~~	18 / 27~~/~~	4 / 6~~/~~	15 / 24~~/~~	15 / 26~~/~~	2 / 3~~/~~	14 / 16~~/~~
H74	Water source heat pump cool Imp. 60%		-13 / -3~~/~~	28 / 43~~/~~	25 / 23~~/~~	28 / 39~~/~~	5 / 8~~/~~	21 / 30~~/~~	26 / 38~~/~~	4 / 4~~/~~	20 / 23~~/~~
~~H75~~	~~Water source heat pump cool Imp. 80%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
H76	~~Water~~Ground source heat pump cool ~~Imp. 100%~~Min Eff.		-39 / -28	-8 / 7	9 / 5	-8 / -6	-2 / -2	-4 / 1	-11 / -7	-4 / -3	-1 / -4
H77	~~Water~~Ground source heat pump cool Imp. ~~1~~20%		-26 / -16	9 / 23	18 / 14	10 / 15	0 / 2	7 / 13	7 / 13	-1 / -1	10 / 8
H78	~~Water~~Ground source heat pump cool Imp. ~~1~~40%		-16 / -7	21 / 35	24 / 21	22 / 30	2 / 4	15 / 22	20 / 27	1 / 1	17 / 16
H79	~~Water~~Ground source heat pump cool Imp. ~~1~~60%		-9 / 0	31 / 44	28 / 26	32 / 41	3 / 5	20 / 29	29 / 38	2 / 2	22 / 23

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
H80	Water source heat pump cool Imp. 180%		/	/	/	/	/	/	/	/	/

a Projects utilizing a C406.1 exception for reduced energy credit requirements are not eligible for the H50 no space cooling credit.

b Dwelling unit areas of an apartment shall not make use of the H50 no space cooling credit.

Table C406.2(6)

Service Water Usage Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
W01	Shower drain heat recovery	C406.2.6.1	/	/	/	/	/	/	/	/	/
W012	Service water heat recovery [a]	C406.2.6.2	36 / 34/	0 / 0/	110 / 100/	17 / 16/	0 / 0/	24 / 19/[a]	35 / 32/	0 / 0/	56 / 26/
Service water recovery adjustment factor ($RCVRY_{adj}$) for use with Tables C406.2(7) multiplied credits from items W01 and W02 in Equ. 4-18		C406.2.6.3	0.0033/ 0.00347	0.0159 / 0.016290	0.0024 / 0.0026	0.0135 / 0.0148	0.0052 / 0.0059	0.0152 / 0.0194	0.0075 / 0.0082	0.0187/ 0.0391	0.0087/ 0.0183
W02	Shower drain heat recovery	C406.2.6.1	12 / 11	N/A/ NA	37 / 33	N/A/ NA	N/A/ NA	N/A/ NA	8 / 7	0 / N/A	17 / 7
W03	Heat trace system	C406.2.7.1	2 / 2/	0 / 0/	3 / 3/	1 / 1/	0 / 0/	0 / 0NA	5 / 5/	7 / 3/	3 / 3/
W04	Point of use water heater (add footnote b)	C406.2.7.2	0 / 0/	0 / 0/	0 / 0/	32 / 28/	0 / 0/	58 / 47/	88 / 80/	46 / 23/	24 / 34/

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
W054	Service hot water distribution right sizing	C406.2.8	0 / 0/N/A	N/A / NA/	12 / 10/	N/A / NA/	N/A / NA/	N/A / NA/	0 / 0/N/A	N/A / NA/	N/A5 / 1/
W06	High performance service hot water temperature maintenance system (add footnote b)	C406.2.9	19 / 18/	14 / 14/	56 / 48/	7 / 6/	6 / 5/	20 / 16/	36 / 31/	14 / 7/	34 / 20/
W075	High efficiency service hot water circulation system	C406.2.10	1 / 1/	0 / 0/	2 / 2/	0 / 0/	0 / 0/	0 / 0/	3 / 3/	4 / 2/	2 / 2/
W06	Group R low flow showerheads, 1.50 gpm		10 / 9	N/A	17 / 16	N/A	N/A	N/A	N/A	N/A	6 / 2
W07	Group R low flow shower heads, 1.25 gpm	C406.2.11	18 / 17	N/A	32 / 29	N/A	N/A	N/A	N/A	N/A	15 / 5
Service water use adjustment factor (USE_{adj}) for use with Tables C406.2(7) multiplied credits from items W032 through W07 in Equ. 4-18		C406.2.6.3	0.0036 / 0.0037/	0.0187 / 0.0190 /	0.0025 / 0.0027 /	0.0139 / 0.0152 /	0.0052 / 0.0059 /	0.0174 / 0.0222 /	0.0089 / 0.0097 /	0.0207 / 0.0434 /	0.0096 / 0.0204/
	Group R low flow		8 / 7	NA / NA	14 / 13	NA / NA	NA / NA	NA / NA	NA / NA	NA / NA	6 / 2

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	~~showerheads, 1.50 gpm~~										
~~W08~~	~~Group R low flow shower heads, 1.25 gpm~~	~~C406.2.11~~	~~18 / 17/~~	~~NA / NA/~~	~~32 / 29/~~	~~NA / NA/~~	~~NA / NA/~~	~~NA / NA/~~	~~NA / NA/~~	~~NA / NA/~~	~~15 / 5/~~
W06	High performance service hot water temperature maintenance system [b]	C406.2.9	19 / 18	14 / 14	56 / 48	7 / 6	6 / 5	20 / 16	36 / 31	14 / 7	34 / 20
W04	Point of use water heater[b]	C406.2.7.2	0 / 0	0 / 0	0 / 0	32 / 28	0 / 0	58 / 47	88 / 80	46 / 23	24 / 34

a ~~Service water heat recovery and heat pump water heating are available in Group M only for g~~Grocery stores ~~larger~~smaller than 10,000 ft^2 are excluded from service water heat recovery credits. Large mixed retail with full grocery and butcher sections shall achieve half the credits. This credit is not available where refrigeration recovery to heat service hot water is used to meet the requirements of Section C403.9.2.3.
~~Footnote b: these measures do not contribute to capacity weighting in equation 4-19.~~

b These measures were modeled as "service hot water efficiency" measures and thus do not get included in RCVRYcr nor USEcr terms of Equation 4-18. Instead, these "service hot water efficiency" measures shall be pro-rated as service water heating equipment using equation 4-18 (included in TBLwater term); however, they do not get included in system capacity (EQPMwater or TOTwater).

Table C406.2(7)

Service Water Heating Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
W09	No service water heating[a]	C406.2.6.3	360 / 373/	79 / 78/	462 / 436/	74 / 115/	240 / 206/	106 / 87/	175 / 162/	88 / 44/	269 / 161/
W10	C404.2.1 Primary service water heating exceptions	C406.2.6.3	Same as min. efficiency heat pump water heating (~~17a~~W11)								

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
W11	Heat pump water heating Min Eff.	C406.2.6.3	186 / 179	36 / 35	267 / 243	48 / 44	129 / 113	38 / 30	75 / 69	32 / 15	148 / 75
~~W12~~	~~Heat pump water heating Imp. 10%~~		/	/	/	/	/	/	/	/	/
W13	Heat pump water heating Imp. 20%		~~159~~199 / ~~81~~192	~~159~~38 / ~~81~~37	~~159~~288 / ~~81~~263	~~159~~51 / ~~81~~46	~~159~~139 / ~~81~~122	~~159~~40 / ~~81~~31	~~159~~80 / ~~81~~74	~~159~~33 / ~~81~~16	159 / 81
~~W14~~	~~Heat pump water heating Imp. 30%~~		/	/	/	/	/	/	/	/	/
W15	Heat pump water heating Imp. 40%		208 / 202	40 / 39	303 / 277	53 / 48	147 / 129	40 / 32	83 / 77	33 / 16	167 / 84
~~W16~~	~~Heat pump water heating Imp. 50%~~		/	/	/	/	/	/	/	/	/
W17	Heat pump water heating Imp. 60%		215 / 209	41 / 40	314 / 288	54 / 50	152 / 134	41 / 32	86 / 80	34 / 16	173 / 87
~~W18~~	~~Heat pump water heating Imp. 70%~~		/	/	/	/	/	/	/	/	/
~~W19~~	~~Heat pump water heating Imp. 80%~~		/	/	/	/	/	/	/	/	/
~~W20~~	~~Heat pump water heating Imp. 90%~~		/	/	/	/	/	/	/	/	/
W21	Gas water heater Min Eff.	C406.2.6.4	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0
W22	Gas water heater > 105 kBtu/h (Et rated) Imp. ~~5~~10%		32 / 31	7 / 7	42 / 39	7 / 6	18 / 16	10 / 8	14 / 13	8 / 4	24 / 14
W23	Gas water heater >		58 / 57	13 / 13	77 / 71	12 / 12	34 / 30	18 / 15	27 / 24	15 / 7	45 / 25

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	105 kBtu/h (Et rated) Imp. ~~10~~20%										
W24	Gas water heater ≤ 105 kBtu/h (UEF rated) Imp. ~~15~~20%		/	/	14 / 22	22 / 25	9 / 7	8 / 7	/	10 / 5	12 / 7
W25	Gas water heater ≤ 105 kBtu/h (UEF rated) Imp. ~~20~~40%		/	/	74 / 71	37 / 41	25 / 21	16 / 14	/	17 / 8	42 / 15
W26	Gas water heater ≤ 105 kBtu/h (UEF rated) Imp. ~~25~~60%		/	/	116 / 107	46 / 52	38 / 33	23 / 19	/	23 / 11	63 / 22
W27	Gas heat pump Min Eff.	C406.2.2.3	66 / 64~~/~~	15 / 15~~/~~	180 / 167~~/~~	27 / 25~~/~~	79 / 69~~/~~	27 / 22~~/~~	41 / 39~~/~~	31 / 16~~/~~	97 / 46~~/~~
~~W28~~	~~Gas heat pump Imp. 10%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
W29	Gas heat pump Imp. 20%		/	/	/	/	/	/	/	/	/
~~W30~~	~~Gas heat pump Imp. 30%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
W31	Gas heat pump Imp. 40%		/	/	/	/	/	/	/	/	/
~~W32~~	~~Gas heat pump Imp. 50%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
W33	Gas heat pump Imp. 60%		/	/	/	/	/	/	/	/	/
~~W34~~	~~Gas heat pump Imp. 70%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~
~~W35~~	~~Gas heat pump Imp. 80%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
~~W36~~	~~Gas heat pump Imp. 90%~~		~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~	~~/~~

a Projects utilizing a C406.1 exception for reduced energy credit requirements are not eligible for the W09 no service water heating credit.

Table C406.2(8)

Renewable Energy Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
R01	Renewable energy	C406.2.5	5 / 6~~/~~	5 / 5~~/~~	10 / 10~~/~~	16 / 17~~/~~	1 / 1~~/~~	16 / 14~~/~~	15 / 16~~/~~	58 / 32~~/~~	20 / 18~~/~~

Table C406.2(9)

Other Efficiency Credit Measures

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
Q01	~~Group R~~Enhanced residential kitchen equipment	C406.2.15	/	N/A	5/4~~/~~	N/A	N/A	N/A	N/A	N/A	~~1/0~~N/A N/A
Q02	~~Group R-2 i~~Induction cooktop	C406.2.21	N/A	N/A	1/1	N/A	N/A	N/A	N/A	N/A	N/A
Q03	~~Group R-2~~Enhanced residential laundry equipment	C406.2.16	N/A	N/A	3/2	N/A	N/A	N/A	N/A	N/A	~~N/A1/0~~ N/A
Q04	Heat pump clothes dryers	C406.2.17	30/28	N/A	21/17	N/A	N/A	N/A	N/A	N/A	~~N/A10/4~~ N/A
Q05	Efficient elevator equipment	C406.2.18	12 / 11~~/~~	7 / 6~~/~~	13 / 11~~/~~	27 / 25~~/~~	0 / 0~~/~~	0 / 0~~/~~	2 / 2~~/~~	0 / 0~~/~~	11 / 5~~/~~
Q06	Thermal energy networks	C406.2.19	/	/	/	/	/	/	/	/	/
	Enhanced Commercial	C406.2.14	~~0 / 0~~	~~0 / 0~~	~~0 / 0~~	~~0 / 0~~	21 / 17	~~0 / 0~~	~~0 / 0~~	~~0 / 0~~	~~0 / 0~~

ID	Credit Measure	Section Reference	Occupancy Group (Climate Zone 4C / 5B)								
			R-1 R-4 I-1	I-2	R-2	B	A-2	M	E	S-1 S-2	All Other
	Kitchen Equipment										

C406.2.2.2 Cooling equipment efficiency. Primary cooling equipment shall exceed the minimum cooling efficiency requirements listed in the tables in Section C403.3.2 by ((~~at least 5 percent. Where equipment exceeds the minimum annual cooling efficiency and heat rejection efficiency requirements by more than 5 percent, energy efficiency credits for cooling shall be determined~~)) the percentage noted in Table C406.2(5). Available credits noted in Table C406.2(5) shall ~~be reduced by other selected efficiency credit measures and~~ comprised of the summation of the prorated credits assigned to each system type within a mixed cooling system using Equation ((~~4-15~~)) 4-13, rounded to the nearest whole number. Where individual equipment efficiencies of the same system type vary, weigh them based on capacity.

(Equation ((~~4-15~~)) 4-13)

$$C_{cool.i} = TBL_{cool} \times \left(\frac{EQPM_{cool}}{TOT_{cool}}\right)$$

$$\sum_{i=1}^{n} C_{cool} = C_{cool.1} + C_{cool.2} + \cdots + C_{cool.n}$$

Where:

C_{cool}	=	Credits for space cooling equipment.
$C_{cool.i}$	=	Credits for space cooling equipment of noted systems type.
TBL_{cool}	=	Credits noted in Table C406.2(5).
$EQPM_{cool}$	=	Installed primary space cooling capacity of this system type in kBtu/h.
TOT_{cool}	=	Total installed primary space cooling capacity in kBtu/h.

C406.2.6.3 Service water heating equipment efficiency. Primary service water heating equipment shall exceed the minimum heating efficiency requirements listed in the Table C404.2 by the percent noted in Table C406.2(7), Available credits noted in Table C406.2(7) shall be reduced by other selected efficiency credit measures and be comprised of the summation of the prorated credits assigned to each system type within a mixed service water heating system using Equation 4-18, rounded to the nearest whole number. Where individual equipment efficiencies of the same system type vary, weigh them based on capacity.

(Equation 4-18)

$$C_{water.i} = TBL_{water} \times (1 - (RCVRY_{cr} \times RCVRY_{adj}) - (USE_{cr} \times USE_{adj})) \times \left(\frac{EQPM_{water}}{TOT_{water}}\right)$$

$$\sum_{i=1}^{n} C_{water} = C_{water.1} + C_{water.2} + \cdots + C_{water.n}$$

Where:

C_{water}	=	Credits for service water heating equipment.
$C_{water.i}$	=	Credits for service water heating equipment of noted systems type.
TBL_{water}	=	Credits noted in Table C406.2(7).
$RCVRY_{cr}$	=	Service hot water heat recovery credits obtained via Table C406.2(6) item W01.
$RCVRY_{adj}$	=	Adjustment factor for service hot water heat recovery credits obtained via Table C406.2(6) items W02 through W07.
USE_{cr}	=	Reduced service hot water heat use credits obtained via Table C406.2(6).
USE_{adj}	=	Adjustment factor for reduced service hot water heat use credits obtained via Table C406.2(6).
$EQPM_{water}$		Installed primary service water heating capacity of this system type in kBtu/h. Excluding primary service water heating covered under a Section C404.2.1 exception except when evaluating exceptions.
TOT_{water}		Total installed primary space heating capacity in kBtu/h including any of the exceptions in Section C404.2.1.