

Measure Title	Applicable Section	Original Table C406.2								C406.2 Energy Credits for Heat Pump Pathways								Table C406.3 Energy Credits for Fossil Fuel Pathways															
		Group R-1	Group R-2	Group B	Group E	Group M	All Other	Group A	Pro-rating flag	Group R-1	Group R-2	Group B	Group E	Group M	All Other	Group A	Adjustment Factor	Group R-1	Group R-2	Group B	Group E	Group M	All Other	Group A	Notes	Group R-1	Group R-2	Group B	Group E	Group M	All Other		
		1. Dwelling unit HVAC control	C406.2.1	NA	7	NA	NA	NA	NA	NA	Heat	NA	7	NA	NA	NA	NA	NA	2	NA	14	NA	NA	NA	NA	NA							
2. Improved HVAC TSPRa	C406.2.2.1	NA	8	11	17	22	NA	NA	Heat	NA	8	11	17	22	NA	NA	1.3	NA	10	14	22	29	NA	NA									
3. Improve cooling and fan efficiency	C406.2.2.2	2	2	3	4	3	2	2	Heat	12	8	14	8	10	10	10	0.86	10	6	12	8	8	9	8	New values based on A2 Efficiency results								
4. Improve heating efficiency	C406.2.2.3	2	3	3	10	16	7	7	Heat	1	1	3	1	4	2	2	2.33	1	2	8	3	9	5	5	New values based on A2 Efficiency results								
5. Improved low-carbon district energy system (10%)	C406.2.2.4	3	3	4	11	17	8	8		3	3	4	11	17	8	8	1		3	3	4	11	17	8	8								
6. Improved low-carbon district energy system (20%)	C406.2.2.5	9	10	12	33	52	24	24		9	10	12	33	52	24	24	1		9	10	12	33	52	24	24								
7. High performance DOAS	C406.2.2.6	31	31	21	39	40	21	40	Heat	31	31	21	39	40	21	40	1.3	40	40	27	51	52	27	52		1	1	1	1	1	1	1	
8. Fault detection & diagnostics (FDD)	C406.2.2.7	2	2	2	6	9	4	4	Heat	2	2	2	6	9	4	4	1.3	3	3	3	8	12	5	5		1	1	1	1	1	1	1	
9. 10% reduced lighting power	C406.2.3.1	7	4	18	16	20	15	15	Heat	7	4	18	16	20	15	15	0.85	6	3	15	14	17	13	13									
10. 20% reduced lighting power	C406.2.3.2	13	8	36	32	40	29	29	Heat	13	8	36	32	40	29	29	0.85	11	7	31	27	34	25	25		1	1	1	1	1	1	1	
11. Lamp efficacy improvement	C406.2.3.3	5	6	NA	NA	NA	NA	NA	Heat	5	6	NA	NA	NA	NA	NA	0.85	4	5	NA	NA	NA	NA	NA		1	1						
12. Residential lighting control	C406.2.4.1	NA	8	NA	NA	NA	NA	NA	Heat	NA	8	NA	NA	NA	NA	NA	0.85	NA	7	NA	NA	NA	NA	NA									
13. Enhanced lighting control	C406.2.4.2	1	1	6	6	11	6	6	Heat	1	1	6	6	11	6	6	0.85	1	1	5	5	9	5	5		1	1	1	1	1	1	1	
14. Renewable energy	C406.2.5	7	12	13	13	10	11	11		7	12	13	13	10	11	11	1	7	12	13	13	10	11	11		1	1	1	1	1	1	1	
15. Shower drain heat recovery	C406.2.6.1	9	30	NA	3	NA	NA	NA	SWH	9	30	NA	3	NA	NA	NA	2.5	23	75	NA	8	NA	NA	NA		1	1						
16. Service water heat recovery	C406.2.6.2	35	111	13	14	41	NA	NA	SWH	35	111	13	14	41	NA	NA	2.5	88	278	33	35	103	NA	NA									
High efficiency fossil fuel SWH																		59	65	6	11	18	32	32									
17. Heat pump water heating	C406.2.6.3	81	261	17	33	95	NA	95	SWH	135	163	16	7	68	78	78	1	194	223	21	20	82	108	108	New values based on A2 Efficiency results (corrected)								
18. Heat trace system	C406.2.7.1	6	13	4	1	NA	6	6	SWH	6	13	4	1	NA	6	6	2.5	15	33	10	3	NA	15	15		1	1	1	1	1	1	1	
19. Point of use water heater	C406.2.7.2	NA	NA	19	5	NA	NA	NA	SWH	NA	NA	10	3	NA	NA	NA	2.5	NA	NA	25	8	NA	NA	NA	New all-electric POU values for HPWH baseline								
20. Service hot water distribution right sizing	C406.2.8	13	42	NA	NA	NA	NA	NA		13	42	NA	NA	NA	NA	NA	1	13	42	NA	NA	NA	NA	NA		1	1						
21. High performance service hot water temperature	C406.2.9	6	13	4	1	NA	6	6		6	13	4	1	NA	6	6	1	6	13	4	1	NA	6	6									
22. High efficiency service hot water circulation syst	C406.2.10	3	6	2	1	NA	4	4		3	6	2	1	NA	4	4	1	3	6	2	1	NA	4	4									
23. Low flow residential showerheads	C406.2.11	3	3	NA	NA	NA	NA	NA	SWH	3	3	NA	NA	NA	NA	NA	2.5	8	8	NA	NA	NA	NA	NA		1	1						
24. Enhanced envelope performance	C406.2.12	24	20	13	5	19	14	14	Heat	24	20	13	5	19	14	14	1.3	31	26	17	7	25	18	18		1	1	1	1	1	1	1	
25. Base reduced air leakage	C406.2.13.2	29	24	6	3	9	11	11		29	24	6	3	9	11	11	1	29	24	6	3	9	11	11									
26. Enhanced reduced air leakage	C406.2.13.3	53	44	11	5	16	20	20	Heat	53	44	11	5	16	20	20	1	53	44	11	5	16	20	20		1	1	1	1	1	1	1	
27. Enhanced commercial kitchen equipment	C406.2.14	30	18	18	30	30	31	31	Heat	30	18	18	30	30	31	31	0.85	26	15	15	26	26	26	26		1	1	1	1	1	1	1	
28. Enhanced residential kitchen equipment	C406.2.15	12	19	NA	NA	NA	NA	NA	Heat	12	19	NA	NA	NA	NA	NA	0.85	10	16	NA	NA	NA	NA	NA									
29. Enhanced residential laundry equipment	C406.2.16	NA	6	NA	NA	NA	NA	NA	Heat	NA	6	NA	NA	NA	NA	NA	0.85	NA	5	NA	NA	NA	NA	NA									
30. Heat pump clothes dryers	C406.2.17	6	6	NA	NA	NA	NA	NA	Heat	6	6	NA	NA	NA	NA	NA	0.85	5	5	NA	NA	NA	NA	NA									
31. Efficient elevator equipment	C406.2.18	3	5	5	5	4	4	4	Heat	3	5	5	5	4	4	4	0.85	3	4	4	4	3	3	3		1	1	1	1	1	1	1	
Orig reqmt		54	41	42	48	74	49											238	315	136	157	187	155										
SWH addl req		191	223	27	20	82	107.6											252	286	170	105	264	221										
Sp Ht addl req		7	22	101	37	108	64																										
		252	286	170	105	264	220.6																										