

(Effective July 1, 2023)

**WAC 51-11C-40620 Section C406.2—Additional energy efficiency credit measures.**

**C406.2 Additional energy efficiency credit measures.** Each energy efficiency credit measure 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 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.

**Table C406.2  
Efficiency Measure Credits**

| Measure Title   | Applicable Section | Occupancy Group |           |         |         |                              |                            |
|---|--------------------|-----------------|-----------|---------|---------|------------------------------|----------------------------|
|   |                    | 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                         |
| 2. Improved HVAC TSPR <sup>a</sup>                                      | C406.2.2.1         | NA              | 8         | 11      | 17      | 22                           | NA                         |
| 3. Improve cooling and fan efficiency                                   | C406.2.2.2         | 2               | 2         | 3       | 4       | 3                            | 2                          |
| 4. Improve heating efficiency   | C406.2.2.3         | 2               | 3         | 3       | 10      | 16                           | 7                          |
| 5. Improved low-carbon district energy system (10% better)              | C406.2.2.4         | 3               | 3         | 4       | 11      | 17                           | 8                          |
| 6. Improved low-carbon district energy system (20% better) <sup>b</sup> | C406.2.2.5         | 9               | 10        | 12      | 33      | 52                           | 24                         |
| 7. High performance DOAS  | C406.2.2.6         | 31              | 31        | 21      | 39      | 40                           | 21/<br>(A) 40 <sup>c</sup> |
| 8. Fault detection & diagnostics (FDD)                                  | C406.2.2.7         | 2               | 2         | 2       | 6       | 9                            | 4                          |
| 9. 10% reduced lighting power   | C406.2.3.1         | 7               | 4         | 18      | 16      | 20                           | 15                         |
| 10. 20% reduced lighting power <sup>d</sup>                             | C406.2.3.2         | 13              | 8         | 36      | 32      | 40                           | 29                         |
| 11. Lamp efficacy improvement   | C406.2.3.3         | 5               | 6         | NA      | NA      | NA                           | NA                         |
| 12. Residential lighting control  | C406.2.4.1         | NA              | 8         | NA      | NA      | NA                           | NA                         |
| 13. Enhanced lighting control   | C406.2.4.2         | 1               | 1         | 6       | 6       | 11                           | 6                          |
| 14. Renewable energy  | C406.2.5           | 7               | 12        | 13      | 13      | 10                           | 11                         |
| 15. Shower drain heat recovery  | C406.2.6.1         | 9               | 30        | NA      | 3       | NA                           | NA                         |
| 16. Service water heat recovery   | C406.2.6.2         | 35              | 111       | 13      | 14      | (Grocery)<br>41 <sup>e</sup> | NA                         |
| 17. Heat pump water heating   | C406.2.6.3         | 81              | 261       | 17      | 33      | (Grocery)<br>95 <sup>e</sup> | (A-2)<br>95 <sup>f</sup>   |
| 18. Heat trace system   | C406.2.7.1         | 6               | 13        | 4       | 1       | NA                           | 6                          |
| 19. Point of use water heater   | C406.2.7.2         | NA              | NA        | 19      | 5       | NA                           | NA                         |
| 20. Service hot water distribution right sizing                         | C406.2.8           | 13              | 42        | NA      | NA      | NA                           | NA                         |
| 21. High performance service hot water temperature maintenance system   | C406.2.9           | 6               | 13        | 4       | 1       | NA                           | 6                          |
| 22. High efficiency service hot water circulation system                | C406.2.10          | 3               | 6         | 2       | 1       | NA                           | 4                          |
| 23. Low flow residential showerheads                                    | C406.2.11          | 3               | 3         | NA      | NA      | NA                           | NA                         |

| Measure Title                                  | Applicable Section | Occupancy Group |                 |                 |                 |                 |                 |
|--|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|  |                    | Group R-1       | Group R-2       | Group B         | Group E         | Group M         | All Other       |
| 24. Enhanced envelope performance <sup>g</sup> | C406.2.12          | 24              | 20              | 13              | 5               | 19              | 14              |
| 25. Base reduced air leakage <sup>g</sup>      | C406.2.13.2        | 29              | 24              | 6               | 3               | 9               | 11              |
| 26. Enhanced reduced air leakage <sup>g</sup>  | C406.2.13.3        | 53              | 44              | 11              | 5               | 16              | 20              |
| 27. Enhanced commercial kitchen equipment      | C406.2.14          | 30 <sup>h</sup> | 18 <sup>h</sup> | 18 <sup>h</sup> | 30 <sup>h</sup> | 30 <sup>h</sup> | 31 <sup>h</sup> |
| 28. Enhanced residential kitchen equipment     | C406.2.15          | 12              | 19              | NA              | NA              | NA              | NA              |
| 29. Enhanced residential laundry equipment     | C406.2.16          | NA              | 6               | NA              | NA              | NA              | NA              |
| 30. Heat pump clothes dryers                   | C406.2.17          | 6               | 6               | NA              | NA              | NA              | NA              |
| 31. Efficient elevator equipment               | C406.2.18          | 3               | 5               | 5               | 5               | 4               | 4               |

<sup>a</sup> Projects using Item 2 shall not use Items 3 through 5.

<sup>b</sup> Projects using C406.2.2.5 shall not use C406.2.2.4.

<sup>c</sup> For C406.2.2.6, occupancy Group A achieves 40 credits while other occupancy groups within the "all other" category achieve 21 credits.

<sup>d</sup> Projects using C406.2.3.2 shall not use C406.2.3.1.

<sup>e</sup> Service water heat recovery and heat pump water heating are available in Group M only for grocery stores larger than 10,000 ft<sup>2</sup>. 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.

<sup>f</sup> Heat pump water heating efficiency credits are available in the "all other" category only for Group A-2.

<sup>g</sup> Buildings or building areas that are exempt from the thermal envelope requirements in accordance with Sections C402.1.1 and C402.1.2, do not qualify for this package.

<sup>h</sup> Additional energy efficiency credits, up to the maximum shown in Table C406.2, shall be calculated according to Section C406.2.11.

[Statutory Authority: RCW 19.27A.020, 19.27A.025, 19.27A.160 and chapters 19.27A and 19.27 RCW. WSR 22-14-091, § 51-11C-40620, filed 7/1/22, effective 7/1/23.]