

NEW SECTION

WAC 51-11R-40850 Section R408.5—Energy rating index based compliance. R408.5 ERI-based compliance. Compliance based on an *ERI* analysis requires that the *ERI rated design* and each confirmed as-built *dwelling unit* be shown to have an *ERI* less than or equal to the appropriate value indicated in Table R408.5 where compared to the *ERI reference design*. Where on-site renewables are installed, not greater than the production of the renewable energy system, or 6,000 kWh or 20.5 MBtu/h of on-site renewable power, whichever is less, may be used when meeting the maximum allowed *ERI* in Table R408.5.

EXCEPTION: For buildings with 20 or more dwelling units, where approved by the code official, compliance with Tables R408.5(1) and R408.5(2) shall be permitted using the average dwelling unit energy rating index, as calculated in accordance with ANSI/RESNET/ICC 301.

Table R408.5(1)

Maximum Energy Rating Index, Climate Zone 4C

	Dwelling Unit Size (ft ²)										Group R-2
	<1500	1500 - 1749	1750 - 1999	2000 - 2249	2250 - 2499	2500 - 2749	2750 - 2999	3000 - 3249	3250 - 3499	3500 & greater	
System Type^a											
1	<u>4951</u>	<u>4749</u>	<u>4544</u>	<u>4443</u>	43	<u>4142</u>	<u>4042</u>	<u>3839</u>	<u>3739</u>	<u>3536</u>	<u>49</u> <u>N/A</u>

	Dwelling Unit Size (ft ²)										Group R-2
	<1500	1500 - 1749	1750 - 1999	2000 - 2249	2250 - 2499	2500 - 2749	2750 - 2999	3000 - 3249	3250 - 3499	3500 & greater	
2	<u>5155</u>	<u>5051</u>	<u>4851</u>	47	<u>4647</u>	44	43	<u>4239</u>	<u>4141</u>	<u>3937</u>	49 <u>N/A</u>
3	<u>50N/A</u>	<u>49N/A</u>	47 <u>N/A</u>	46 <u>N/A</u>	45 <u>N/A</u>	43 <u>N/A</u>	42 <u>N/A</u>	40 <u>N/A</u>	38 <u>N/A</u>	<u>37N/A</u>	49 <u>N/A</u>
4	<u>5862</u>	<u>5654</u>	<u>5554</u>	<u>5347</u>	<u>5147</u>	<u>4947</u>	47	<u>4548</u>	<u>4446</u>	42	54 <u>N/A</u>
5	<u>52</u>	<u>51</u>	50	<u>4950</u>	<u>4850</u>	<u>4749</u>	<u>4648</u>	<u>4548</u>	<u>4443</u>	<u>4339</u>	<u>4952</u>

a System type as described in Table R406.2

Table ~~R408.5(1)~~R408.5(2)

Maximum Energy Rating Index, Climate Zone 5B

System Type ^a	Dwelling Unit Size (ft ²)										Group R-2
	<1500	1500 - 1749	1750 - 1999	2000 - 2249	2250 - 2499	2500 - 2749	2750 - 2999	3000 - 3249	3250 - 3499	3500 & greater	
1	<u>4951</u>	<u>4750</u>	<u>4544</u>	<u>4443</u>	43	<u>4142</u>	<u>4041</u>	<u>3840</u>	<u>3742</u>	<u>3538</u>	49N/ <u>A</u>
2	<u>5155</u>	<u>5053</u>	<u>4853</u>	<u>4748</u>	<u>4648</u>	<u>4445</u>	<u>4344</u>	<u>4246</u>	<u>4144</u>	<u>3940</u>	49N/ <u>A</u>
3	<u>50N/A</u>	<u>49N/A</u>	<u>47N/A</u>	<u>46N/A</u>	<u>45N/A</u>	<u>43N/A</u>	<u>42N/A</u>	<u>40N/A</u>	<u>38N/A</u>	<u>37N/A</u>	49N/ <u>A</u>
4	<u>5859</u>	<u>5653</u>	<u>5553</u>	<u>5348</u>	<u>5148</u>	<u>4947</u>	47	<u>4549</u>	44	42	54N/ <u>A</u>
5	<u>5255</u>	<u>5154</u>	<u>5052</u>	<u>4951</u>	<u>4851</u>	<u>4750</u>	<u>4649</u>	<u>4548</u>	<u>4445</u>	<u>4340</u>	<u>4952</u>

a System type as described in Table R406.2

R408.6 Verification by approved agency. Verification of

compliance with Section R408 as outlined in Sections R408.5 and

R408.7 shall be completed by an *approved* third party.

Verification of compliance with Section R408.2 shall be

completed by the authority having jurisdiction or an *approved* third-party inspection agency in accordance with Section R107.4.

R408.6.1 Quality assurance. *Approved* third party shall hold the appropriate designation and be in good standing with a home certification organization (HCO) recognized by the U.S. Department of Energy or U.S. Environmental Protection Agency. Confirmed compliance documents of the as-built *dwelling unit* shall be submitted and subjected to quality assurance requirements adopted by said HCO.

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