

Amend Footnote b to read:

OPTION 1: "Option 3.8 can only be taken with option 3.1 or 3.2. To qualify to claim option 3.8 with 3.2, the system shall be a 1-2 speed heat pump system. Variable capacity heat pumps are ineligible from claiming this option."

<u>3. HIGH EFFICIENCY HVAC EQUIPMENT OPTIONS</u>				
<u>Only one option from Items 3.1 through 3.7 may be selected in this category.</u>				
<u>3.1^a</u>	<p><u>Energy Star rated (U.S. North) Gas or propane furnace with minimum AFUE of 95%</u></p> <p><u>or</u></p> <p><u>Energy Star rated (U.S. North) Gas or propane boiler with minimum AFUE of 90%.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>1.0</u>	<u>N/A</u>	<u>1.0</u>
<u>3.2^a</u>	<p><u>Air-source centrally ducted heat pump with minimum HSPF of 9.5.</u></p> <p><u>In areas where the winter design temperature as specified in Appendix RC is 23°F or below, a cold climate heat pump found on the NEEP cc ASHP qualified product list shall be used.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>N/A</u>	<u>0.5</u>	<u>N/A</u>
<u>3.3^a</u>	<p><u>Closed-loop ground source heat pump; with a minimum COP of 3.3</u></p> <p><u>or</u></p> <p><u>Open loop water source heat pump with a maximum pumping hydraulic head of 150 feet and minimum COP of 3.6.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>N/A</u>	<u>1.5</u>	<u>1.0</u>
<u>3.4</u>	<p><u>Ductless mini-split heat pump system, zonal control: In homes where the primary space heating system is zonal electric heating, a ductless mini-split heat pump system with a minimum HSPF of</u></p>	<u>N/A</u>	<u>1.5</u>	<u>2.0</u>

	<p><u>10.0 shall be installed and provide heating to the largest zone of the housing unit.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>			
3.5 ^a	<p><u>Air-source, centrally ducted heat pump with minimum HSPF of 11.0.</u></p> <p><u>A centrally ducted air source cold climate variable capacity pump (cc VHP) found on the NEEP cc VCHP qualified product list with a minimum of 10 HSPF may be used to satisfy this requirement.</u></p> <p><u>In areas where the winter design temperature as specified in Appendix RC is 23°F or below, an air source centrally ducted heat pump shall be a cold climate variable capacity heat pump as listed on the NEEP qualified product list.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>N/A</u>	<u>1.0</u>	<u>N/A</u>
3.6 ^a	<p><u>Ductless split system heat pumps with no electric resistance heating in the primary living areas. A ductless heat pump system with a minimum HSPF of 10 shall be sized and installed to provide heat to entire dwelling unit at the design outdoor air temperature.</u></p> <p><u>Exception:</u> <u>In homes with total heating loads of 24,000 or less using multi-zone mini-split systems with nominal ratings of 24,000 or less, the minimum HSPF to claim this credit shall be 9 HSPF.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected, the heated floor area calculation, the heating equipment type(s), the minimum equipment efficiency, and total installed heat capacity (by equipment type).</u></p>	<u>N/A</u>	<u>2.0</u>	<u>3.0</u>
3.7 ^a	<p><u>Air-to-water heat pump with minimum COP of 3.2 at 47°F, rated in accordance with AHRI 550/590 by an accredited or certified testing lab.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected, the heated floor area calculation, the heating equipment type(s), the minimum equipment</u></p>	<u>N/A</u>	<u>1.0</u>	<u>N/A</u>

	<u>efficiency, and total installed heat capacity (by equipment type).</u>			
<u>3.8^c</u>	<u>Connected thermostat meeting ENERGY STAR Certified Smart Thermostats/EPA ENERGY STAR specifications.</u> <u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the thermostat model.</u>	<u>0.5</u>	<u>0.5</u>	<u>0.5</u>

OPTION 2: “For 3.3....Option 3.9 can only be taken with option 3.1 or 3.3. To qualify to claim option 3.9 with 3.3, the system shall be a 1-2 speed heat pump system. Variable capacity heat pumps are ineligible from claiming this option.”

<u>3. HIGH EFFICIENCY HVAC EQUIPMENT OPTIONS</u>				
<u>Only one option from Items 3.1 through 3.8 may be selected in this category.</u>				
<u>3.1^a</u>	<u>For a System Type 1 in Table R406.2:</u> <u>Energy Star rated (U.S. North) gas or propane furnace with minimum AFUE of 95%.</u> <u>or</u> <u>Energy Star rated (U.S. North) gas or propane boiler with minimum AFUE of 90%</u> <u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u>	<u>1.0</u>	<u>1.0</u>	
<u>3.2^a</u>	<u>For secondary heating system serving System Type 2 in Table R406.2:</u> <u>Energy Star rated (U.S. North) Gas or propane furnace with minimum AFUE of 95%</u> <u>or</u> <u>Energy Star rated (U.S. North) Gas or propane boiler with minimum AFUE of 90%.</u> <u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u>	<u>0.5</u>	<u>0.5</u>	
<u>3.3^{a,d}</u>	<u>Air-source centrally ducted heat pump with minimum HSPF of 9.5.</u> <u>In areas where the winter design temperature as specified in Appendix RC is 23°F or below, a cold climate heat pump found on the NEEP cc ASHP qualified product list shall be used.</u>	<u>0.5</u>		<u>N/A</u>

	<p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>		
<u>3.4^{a,d}</u>	<p><u>Closed-loop ground source heat pump; with a minimum COP of 3.3</u></p> <p>or</p> <p><u>Open loop water source heat pump with a maximum pumping hydraulic head of 150 feet and minimum COP of 3.6.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>1.5</u>	<u>1.0</u>
<u>3.5^d</u>	<p><u>Ductless mini-split heat pump system, zonal control: In homes where the primary space heating system is zonal electric heating, a ductless mini-split heat pump system with a minimum HSPF of 10.0 shall be installed and provide heating to the largest zone of the housing unit.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>1.5</u>	<u>2.0</u>
<u>3.6^{a,d}</u>	<p><u>Air-source, centrally ducted heat pump with minimum HSPF of 11.0.</u></p> <p><u>A centrally ducted air source cold climate variable capacity heat pump (cc VHP) found on the NEEP cc VCHP qualified product list with a minimum of 10 HSPF may be used to satisfy this requirement.</u></p> <p><u>In areas where the winter design temperature as specified in Appendix RC is 23°F or below, an air source centrally ducted heat pump shall be a cold climate variable capacity heat pump as listed on the NEEP qualified product list.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and the minimum equipment efficiency.</u></p>	<u>1.0</u>	<u>N/A</u>
<u>3.7^{a,d}</u>	<p><u>Ductless split system heat pumps with no electric resistance heating in the primary living areas. A ductless heat pump system with a minimum HSPF of 10 shall be sized and installed to provide heat to entire dwelling unit at the design outdoor air temperature.</u></p> <p>Exception: <u>In homes with total heating loads of 24,000 or less using multi-zone mini-split systems with nominal ratings of 24,000 or less, the minimum HSPF to claim this credit shall be 9 HSPF.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected, the heated floor area calculation, the heating equipment type(s), the minimum equipment efficiency, and total installed heat capacity (by equipment type).</u></p>	<u>2.0</u>	<u>3.0</u>

<p><u>3.8^{a,d}</u></p>	<p><u>Air-to-water heat pump with minimum COP of 3.2 at 47°F, rated in accordance with AHRI 550/590 by an accredited or certified testing lab.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected, the heated floor area calculation, the heating equipment type(s), the minimum equipment efficiency, and total installed heat capacity (by equipment type).</u></p>	<p><u>1.0</u></p>	<p><u>N/A</u></p>
<p><u>3.9^c</u></p>	<p><u>Connected thermostat meeting ENERGY STAR Certified Smart Thermostats/EPA ENERGY STAR specifications.</u></p> <p><u>To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the thermostat model.</u></p>	<p><u>0.5</u></p>	<p><u>0.5</u></p>