

TABLE 9-1
ENERGY CREDITS (DEBITS)

<u>OPTION</u>	<u>DESCRIPTION</u>	<u>CREDIT (\$)</u>
1a <input type="checkbox"/>	<u>HIGH EFFICIENCY HVAC EQUIPMENT 1:</u> Gas, propane or oil-fired furnace or boiler with minimum AFUE of 92% or Air-source heat pump with minimum HSPF of 8.5	1
1b <input type="checkbox"/>	<u>HIGH EFFICIENCY HVAC EQUIPMENT 2:</u> Closed-loop ground source heat pump; with a minimum COP of 3.3.	2
1c <input type="checkbox"/>	<u>HIGH EFFICIENCY HVAC EQUIPMENT 3:</u> <u>DUCTLESS SPLIT SYSTEM HEAT PUMPS,</u> <u>ZONEAL CONTROL:</u> In home where the primary space heating system is zonal electric heating, a ductless heat pump system shall be installed and provide heating to at least one zone of the housing unit.	1
2 <input type="checkbox"/>	<u>HIGH EFFICIENCY HVAC DISTRIBUTION</u> All heating and cooling system components installed inside the conditioned space. All combustion equipment shall be direct vent or sealed combustion. Locating system components in conditioned crawl space is not permitted under this option. Electric resistance heat is not permitted under this option. Direct combustion heating equipment with AFUE less than 80% is not permitted under this option.	1
3a <input type="checkbox"/>	<u>EFFICIENT BUILDING ENVELOPE 1:</u> Prescriptive compliance is based on Table 6-1, Option III or Component performance compliance: Reduce the Target UA from Table 5-1 by 5%. As determined using EQUATION 1.	0.5
3b <input type="checkbox"/>	<u>EFFICIENT BUILDING ENVELOPE 2:</u> Prescriptive compliance is based on Table 6-1, Option III or Component performance compliance: Reduce the Target UA from Table 5-1 by 15%, as determined using EQUATION 1. EQUATION 1.	1
3c <input type="checkbox"/>	<u>SUPER-EFFICIENT BUILDING ENVELOPE 3:</u> Prescriptive compliance is based on Table 6-1, Option III or Component performance compliance: Reduce the Target UA from Table 5-1 by 5%. As determined using EQUATION 1.	2

<p>4a</p> <p><input type="checkbox"/></p>	<p><u>AIR LEAKAGE CONTROL AND EFFICIENT</u> Envelop leakage reduced to SLA or 0.00020 building and All whole house ventilation requirements as determined by Section M1508 of the Washington State Residential Code shall be met with a heat recovery ventilation system in accordance with Section M1508.7 of that Code</p>	<p>0.5</p>
<p>4b</p> <p><input type="checkbox"/></p>	<p><u>ADDITIONAL AIR LEAKAGE CONTROL AND EFFICIENT VENTILATION:</u> Envelope leakage reduced to SLA of 0.00015 building and All whole house ventilation requirements as determined by</p>	<p>1</p>
<p>5a</p> <p><input type="checkbox"/></p>	<p><u>EFFICIENT WATER HEATING:¹</u> Water heating system shall include one of the following Gas, propane or oil water heater with a minimum EF of 0.62 or Electric Water Heater with a minimum EF of .93 and for both cases All showerhead and kitchen sink faucets installed in the house shall meet be rated at 1.75 GPM or less. All other lavatory faucets shall be rated at 1.0 GPM or less.²</p>	<p>0.5</p>
<p>5b</p> <p><input type="checkbox"/></p>	<p><u>HIGH EFFICIENCY WATER HEATING:¹</u> Water heating system shall include one of the following Gas, propane or oil water heater with a minimum EF of 0.82 or Solar water heating supplementing a minimum standard water heater. Solar water heating will provide a rated minimum savings of 85 therms or 2000 kWh based on the Solar Rating and Certification Corporation (SRCC) Annual Performance of OG-300 Certified Solar Water Heating Systems. or Electric heat pump water heater with a minimum EF of 2.0</p>	<p>1.5</p>
<p>6</p> <p><input type="checkbox"/></p>	<p><u>SMALL DWELLING UNIT 1:¹</u> Dwelling units less than 1500 square feet in floor area with less than 300 square feet of window .+ door area. Additions to existing building that are less than 750 square feet of heated floor area.</p>	<p>1</p>
<p>7</p> <p><input type="checkbox"/></p>	<p><u>LARGE DWELLING UNIT 1:¹</u> Dwelling units exceeding 5000 square feet of floor area shall be assessed a deduction for purposes of complying with Section 901 of this Code.</p>	<p>-1</p>

8	<p>RENEWABLE ELECTRIC ENERGY:</p> <p>For each 1200 kWh of electrical generation provided annually by on-site wind or solar equipment a 0.5 credit shall be allowed, up to 3 credits. Generation shall be calculated as follows:</p> <p>For solar electric systems, the design shall be demonstrated to meet this requirement using the National Renewable Energy laboratory calculator PVWATTS. Documentation notting solar access shall be included on the plans.</p> <p>For wind generation projects designs shall document annual power generation based on the following factors: The wind trubine power curve; average annual wind speed at the site; frequency distrubution of the wind speed at the site and height of the tower.</p>	0.5
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Footnotes:

1. Interior Duct Placement: Ducts included as Option 2 of Table 9-1 shall be placed wholly within the heated envelope of the housing unit. The placement shall be inspected and certified to receive the credits associated with this option.

EXCEPTION:

Ducts complying with this section may have up to 5% of the total linear feet of ducts located in the exterior cavities or buffer spaces of the dwelling. If this exception is used the ducts will be tested to the following standards:

Post-construction test: Leakage to outdoors shall be less than or equal to 1 CFM per 100 ft² of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacture's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.

2. Plumbing Fixtures Flow Ratings. Low flow plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following requirements:

(a) Residential bathroom lavatory sink faucets: Maximum flow rate -3.8 L/min (1.0 gal/min) when tested in accordance with ASME A112.18.1/CSA B125.1.

(b) Residential kitchen faucets: Maximum flow rate -6.6 L/min (1.75 gal/min) when tested in accordance with ASME A112.18.1/CSA B125.1.

(c) Residential showerheads: Maximum flow rate -6.6 L/min (1.75 gal/min) when tested in accordance with ASME A112.18.1/CSA B125.1.