#### 2018 Washington State Energy Code – Residential Prescriptive Energy Code Compliance for All Climate Zones in Washington

#### Single Family – New & Additions (effective February 1, 2021)

These requirements apply to all IRC building types, including detached one- and two-family dwellings and multiple single-family dwellings (townhouses).

| Project Information | Contact Information |
|---------------------|---------------------|
|                     |                     |
|                     |                     |

**Instructions**: This single-family project will use the requirements of the Prescriptive Path below and incorporate the minimum values listed. Based on the size of the structure, the appropriate number of additional credits are checked as chosen by the permit applicant.

Provide all information from the following tables as building permit drawings: Table R402.1 - Insulation and Fenestration Requirements by Component, Table R406.2 - Fuel Normalization Credits and 406.3 - Energy Credits.

| Aut    | horized Representative   | dy Dakan             | Date                  |  |  |
|--------|--|----------------------|-----------------------|--|--|
|        | All Climate Zones (Table R402.1.1)   |                      |                       |  |  |
|        |  | R-Value <sup>a</sup> | U-Factor <sup>a</sup> |  |  |
| Fen    | estration U-Factor <sup>b</sup>  | n/a                  | 0.30                  |  |  |
| Skyl   | ight U-Factor <sup>b</sup>   | n/a                  | 0.50                  |  |  |
| Glaz   | zed Fenestration SHGC b,e  | n/a                  | n/a                   |  |  |
| Ceil   | ing <sup>e</sup>   | 49                   | 0.026                 |  |  |
| Wo     | od Frame Wall <sup>g,h</sup>   | 21 int               | 0.056                 |  |  |
| Floo   | • •  | 30                   | 0.029                 |  |  |
|        | ow Grade Wall <sup>c,h</sup>   | 10/15/21 int + TB    | 0.042                 |  |  |
| Slab   | o <sup>d,f</sup> R-Value & Depth   | 10, 2 ft             | n/a                   |  |  |
| a<br>b | Table A101.4 shall not be less than the <i>R</i> -value specified in the table.  b The fenestration <i>U</i> -factor column excludes skylights.  "10/15/21 +5TB" means R-10 continuous insulation on the exterior of the wall, or R-15 continuous insulation on the interior of the wall, or R-21 cavity insulation plus a thermal break between the slab and the basement wall at |                      |                       |  |  |
| 4      | means R-5 thermal break between floor slab and basement wall.  |                      |                       |  |  |
| e      | d R-10 continuous insulation is required under heated slab on grade floors. See Section R402.2.9.1.  e For single rafter- or joist-vaulted ceilings, the insulation may be reduced to R-38 if the full insulation depth extends over the top plate of the exterior wall.   |                      |                       |  |  |
| f      | R-7.5 continuous insulation installed over an existing slab is deemed to be equivalent to the required perimeter slab insulation when applied to existing slabs complying with Section R503.1.1. If foam plastic is used, it shall meet the requirements for thermal barriers protecting foam plastics.  |                      |                       |  |  |
| g      | For log structures developed in compliance with Standard ICC 400, log walls shall meet the requirements for climate zone 5 of ICC 400.   |                      |                       |  |  |
| h      | Int. (intermediate framing) denotes framing and insulation as described in Section A103.2.2 including standard framing 16 inches on center, 78% of the wall cavity insulated and headers insulated with a minimum of R-10 insulation.  |                      |                       |  |  |

Version 1.2

Each dwelling unit *in a residential building* shall comply with sufficient options from Table R406.2 (fuel normalization credits) and Table 406.3 (energy credits) to achieve the following minimum number of credits. To claim this credit, the building permit drawings shall specify the option selected and the maximum tested building air leakage, and show the qualifying ventilation system and its control sequence of operation.

1. Small Dwelling Unit: 3 credits

Dwelling units less than 1,500 sf in conditioned floor area with less than 300 sf of fenestration area. Additions to existing building that are greater than 500 sf of heated floor area but less than 1,500 sf.

2. Medium Dwelling Unit: 6 credits

All dwelling units that are not included in #1 or #3

3. Large Dwelling Unit: 7 credits

Dwelling units exceeding 5,000 sf of conditioned floor area

4. Additions less than 500 square feet: 1.5 credits

All other additions shall meet 1-3 above

Before selecting your credits on this Summary table, review the details in Table 406.3 (Single Family), on page 4.

| Summary of Table R406.2 and 406.3 |   |            |  |            |
|-----------------------------------|---|------------|--|------------|
| Heating Options                   | Fuel Normalization Descriptions                   |            | select ONE<br>ng option                | User Notes |
| 1                                 | Combustion heating minimum NAECAb                 | 0.0        |  |            |
| 2                                 | Heat pump <sup>c</sup>                            | 1.0        |  |            |
| 3                                 | Electric resistance heat only - furnace or zonal  | -1.0       |  |            |
| 4                                 | DHP with zonal electric resistance per option 3.4 | 0.5        |  |            |
| 5                                 | All other heating systems                         | -1.0       |  |            |
| Energy<br>Options                 | Energy Credit Option Descriptions                 | energy opt | select ONE<br>ion from each<br>egory d |            |
| 1.1                               | Efficient Building Envelope                       | 0.5        |  |            |
| 1.2                               | Efficient Building Envelope                       | 1.0        |  |            |
| 1.3                               | Efficient Building Envelope                       | 0.5        |  |            |
| 1.4                               | Efficient Building Envelope                       | 1.0        |  |            |
| 1.5                               | Efficient Building Envelope                       | 2.0        |  |            |
| 1.6                               | Efficient Building Envelope                       | 3.0        |  |            |
| 1.7                               | Efficient Building Envelope                       | 0.5        |  |            |
| 2.1                               | Air Leakage Control and Efficient Ventilation     | 0.5        |  |            |
| 2.2                               | Air Leakage Control and Efficient Ventilation     | 1.0        |  |            |
| 2.3                               | Air Leakage Control and Efficient Ventilation     | 1.5        |  |            |
| 2.4                               | Air Leakage Control and Efficient Ventilation     | 2.0        |  |            |
| 3.1ª                              | High Efficiency HVAC                              | 1.0        |  |            |
| 3.2                               | High Efficiency HVAC                              | 1.0        |  |            |
| 3.3ª                              | High Efficiency HVAC                              | 1.5        |  |            |
| 3.4                               | High Efficiency HVAC                              | 1.5        |  |            |
| 3.5.1                             | High Efficiency HVAC                              | 1.5        |  |            |
| 3.5.2                             | High Efficiency HVAC                              | 1.5        |  |            |
| 3.6ª                              | High Efficiency HVAC                              | 2.0        |  |            |
| 4.1                               | High Efficiency HVAC Distribution System          | 0.5        |  |            |
|                                   |   |            |  |            |

4.2

High Efficiency HVAC Distribution System

1.0

#### 2018 Washington State Energy Code – Residential

#### Prescriptive Energy Code Compliance for All Climate Zones in Washington

Single Family – New & Additions (effective February 1, 2021)

| Summary of Table R406.2 (cont.) |   |   |  |            |
|---------------------------------|---|---|--|------------|
| Energy<br>Options               | Fnergy Credit Option Descriptions (cont.) | Credits - select ONE<br>energy option from<br>each category d |  | User Notes |
| 5.1 <sup>d</sup>                | Efficient Water Heating                   | 0.5   |  |            |
| 5.2                             | Efficient Water Heating                   | 0.5   |  |            |
| 5.3                             | Efficient Water Heating                   | 1.0   |  |            |
| 5.4                             | Efficient Water Heating                   | 1.5   |  |            |
| 5.5                             | Efficient Water Heating                   | 2.0   |  |            |
| 5.6                             | Efficient Water Heating                   | 2.5   |  |            |
| 6.1 <sup>e</sup>                | Renewable Electric Energy (3 credits max) | 1.0   |  |            |
| 7.1                             | Appliance Package                         | 0.5   |  |            |
|                                 | Total Credits                             |   |  |            |

- a. An alternative heating source sized at a maximum of 0.5 W/sf (equivalent) of heated floor area or 500 W, whichever is bigger, may be installed in the dwelling unit.
- b. Equipment listed in Table C403.3.2(4) or C403.3.2(5)
- c. Equipment listed in Table C403.3.2(1) or C403.3.2(2)
- d. You cannot select more than one option from any category EXCEPT in category 5. Option 5.1 may be combined with options 5.2 through 5.6. See Table 406.3.
- e. 1.0 credit for each 1,200 kWh of electrical generation provided annually, up to 3 credits max. See the complete Table R406.2 for all requirements and option descriptions.
- f. Use the single radiobutton in the upper right of the second column to deselect radiobuttons in that group.

Please print only pages 1 through 3 of this worksheet for submission to your building official.

For Building Officials Only

|          | Table 406.3 – Energy Credits (Single Family)  |             |
|----------|---|-------------|
| Option   | Description   | Credits: SF |
|          | IENT BUILDING ENVELOPE OPTIONS  |             |
| -        | e option from Items 1.1 through 1.7 may be selected in this category.   |             |
| -        | nce with the conductive UA targets is demonstrated using Section R402.1.4, Total UA alternative,  | where:      |
| [1-(Prop | osed UA/Target UA)] > the required %UA reduction.   |             |
| 1.1      | Prescriptive compliance is based on Table R402.1.1 with the following modifications:  | 0.5         |
|          | Vertical fenestration U = 0.24  |             |
| 1.2      | Prescriptive compliance is based on Table R402.1.1 with the following modifications:<br>Vertical fenestration U = 0.20  | 1.0         |
| 1.3      | Prescriptive compliance is based on Table R402.1.1 with the following modifications:  Vertical fenestration U = 0.28  Floor R-38  Slab on grade R-10 perimeter and under entire slab below grade slab R-10 perimeter and under entire slab or | 0.5         |
|          | Compliance based on Section R402.1.4: Reduce the Total conductive UA by 5%  |             |
|          | Prescriptive compliance is based on Table R402.1.1 with the following modifications:  Vertical fenestration U = 0.25  Wall R-21 plus R-4 ci Floor R-38  |             |
| 1.4      | Basement wall R-21 int plus R-5 ci  | 1.0         |
|          | Slab on grade R-10 perimeter and under entire slab Below grade slab R-10 perimeter and under entire slab or   |             |
|          | Compliance based on Section R402.1.4: Reduce the Total conductive UA by 15%   |             |
|          | Prescriptive compliance is based on Table R402.1.1 with the following modifications:  Vertical fenestration U = 0.22  |             |
|          | Ceiling and single-rafter or joist-vaulted R-49 advanced  |             |
| 1.5      | Wood frame wall R-21 int plus R-12 ci Floor R-38  | 2.0         |
| 1.5      | Basement wall R-21 int plus R-12 ci   | 2.0         |
|          | Slab on grade R-10 perimeter and under entire slab Below grade slab R-10 perimeter and under entire slab <i>or</i>  |             |
|          | Compliance based on Section R402.1.4: Reduce the Total conductive UA by 30%   |             |
|          | Prescriptive compliance is based on Table R402.1.1 with the following modifications:  Vertical fenestration U = 0.18  |             |
|          | Ceiling and single-rafter or joist-vaulted R-60 advanced  |             |
|          | Wood frame wall R-21 int plus R-16 ci   |             |
| 1.0      | Floor R-48  | 2.0         |
| 1.6      | Basement wall R-21 int plus R-16 ci   | 3.0         |
|          | Slab on grade R-20 perimeter and under entire slab Below grade slab R-20 perimeter and under  |             |
|          | entire slab <i>or</i>   |             |
|          | Compliance based on Section R402.1.4: Reduce the Total conductive UA by 40%.  |             |
|          | Advanced framing and raised heel trusses or rafters  Vertical Glazing U-0.28  |             |
| 1.7      | R-49 Advanced (U-0.020) as listed in Section A102.2.1, Ceilings below a vented attic and  | 0.5         |
|          | R-49 vaulted ceilings with full height of uncompressed insulation extending over the wall top plate at the eaves.   |             |

| Table 406.3 – Energy Credits (Single Family) |   |              |
|--|---|--------------|
| Option                                       | •   | Credits: SF  |
|  | EAKAGE CONTROL AND EFFICIENT VENTILATION OPTIONS  |              |
| Only on                                      | e option from Items 2.1 through 2.4 may be selected in this category.  Compliance based on R402.4.1.2: Reduce the tested air leakage to <b>3.0 air changes per hour</b>   |              |
|  | maximum at 50 Pascals <i>or</i>   |              |
| 2.1  | For R-2 Occupancies, optional compliance based on Section R402.4.1.2: Reduce the tested air leakage to <b>0.3 cfm/sf maximum at 50 Pascals</b> <i>and</i>   |              |
|  | All whole house ventilation requirements as determined by Section M1507.3 of the <i>International Residential Code</i> or Section 403.8 of the <i>International Mechanical Code</i> shall be met with a high efficiency fan(s) (maximum 0.35 watts/cfm), not interlocked with the furnace fan (if present). Ventilation systems using a furnace including an ECM motor are allowed, provided that they are controlled to operate at low speed in ventilation only mode.   | 0.5          |
|  | To qualify to claim this credit, the building permit drawings shall specify the option being selected and the maximum tested building air leakage, and shall show the qualifying ventilation system and its control sequence of operation.  |              |
|  | Compliance based on Section R402.4.1.2: Reduce the tested air leakage to <b>2.0 air changes per hour maximum at 50 Pascals</b> <i>or</i>  |              |
| 2.2  | For R-2 Occupancies, optional compliance based on Section R402.4.1.2: Reduce the tested air leakage to 0.25 cfm/sf maximum at 50 Pascals <i>and</i> All whole house ventilation requirements as determined by Section M1507.3 of the <i>International Residential Code</i> or Section 403.8 of the <i>International Mechanical Code</i> shall be met with a heat recovery ventilation system with minimum sensible heat recovery efficiency of <b>0.65</b> . <sup>1</sup>   | 1.0          |
|  | Compliance based on Section R402.4.1.2:<br>Reduce the tested air leakage to <b>1.5 air changes per hour</b> maximum at 50 Pascals <i>or</i>   |              |
| 2.3  | For R-2 Occupancies, optional compliance based on Section R402.4.1.2: Reduce the tested air leakage to <b>0.25 cfm/sf</b> maximum at 50 Pascals <i>and</i> All whole house ventilation requirements as determined by Section M1507.3 of the <i>International Residential Code</i> or Section 403.8 of the <i>International Mechanical Code</i> shall be met with a heat recovery ventilation system with minimum sensible heat recovery efficiency of <b>0.75</b> . <sup>1</sup>  | 1.5          |
| 2.4  | Compliance based on Section R402.4.1.2:<br>Reduce the tested air leakage to <b>0.6 air changes per hour</b> maximum at 50 Pascals <b>or</b>   |              |
|  | For R-2 Occupancies, optional compliance based on Section R402.4.1.2: Reduce the tested air leakage to <b>0.15 cfm/sf</b> maximum at 50 Pascals <b>and</b> All whole house ventilation requirements as determined by Section M1507.3 of the <i>International Residential Code</i> or Section 403.8 of the <i>International Mechanical Code</i> shall be met with a heat recovery ventilation system with minimum sensible heat recovery efficiency of <b>0.80. Duct installation shall comply with Section R403.3.7.</b> <sup>1</sup> | 2.0          |
| 1  | alify to claim this credit, the huilding permit drawings shall specify the option being selected and s  | hall spacify |

<sup>&</sup>lt;sup>1</sup> To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the maximum tested building air leakage and shall show the heat recovery ventilation system.

#### 2018 Washington State Energy Code – Residential Prescriptive Energy Code Compliance for All Climate Zones in Washington

Single Family – New & Additions (effective February 1, 2021)

| Table 406.3 – Energy Credits (Single Family) |   |             |
|--|---|-------------|
| Option                                       | Description   | Credits: SF |
|  | <b>EFFICIENCY HVAC EQUIPMENT OPTIONS</b> e option from Items 3.1 through 3.6 may be selected in this category.  |             |
| 3.1 <sup>2</sup>                             | Energy Star rated (U.S. North) Gas or propane furnace with minimum AFUE of 95% <i>or</i> Energy Star rated (U.S. North) Gas or propane boiler with minimum AFUE of 90%. <sup>2</sup>  | 1.0         |
| 3.2 <sup>2</sup>                             | Air-source centrally ducted heat pump with minimum HSPF of 9.5. <sup>3</sup>  | 1.0         |
| 3.3 <sup>2</sup>                             | Closed-loop ground source heat pump; with a minimum COP of 3.3 $\it or$ Open loop water source heat pump with a maximum pumping hydraulic head of 150 feet and minimum COP of 3.6. $^3$   | 1.5         |
| 3.4  | 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. <sup>4</sup>   | 1.5         |
| 3.5.1 <sup>2</sup>                           | Air-source, centrally ducted heat pump with minimum HSPF of 11.0. <sup>4</sup>  | 1.5         |
| 3.5.2 <sup>2</sup>                           | <ol> <li>Air-source, inverter driven (variable speed) centrally ducted heat pump with minimum HSPF of 10.0 with at least one of the following: <sup>4</sup></li> <li>The system is listed on the NEEP cold climate air source heat pump database.</li> <li>Compliance based on Section R402.1.4: Reduce the total conductive UA by 22%. This option shall not be used if any other envelope category option is selected to show compliance with Section R406.</li> <li>If Option 5.3 has been selected, upgrade the Tier III heat pump water heater to a Tier IV heat pump water heater that is a unitary (nonsplit) system.</li> <li>Use the appliance credit option 7.1, but the dryer is required to have a CEF of 3.93 or higher. This option is not available if it is already selected as one of the options to show compliance with Section R406.</li> </ol> | 1.5         |
| 3.6 <sup>2</sup>                             | 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.  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).  | 2.0         |

An alternative heating source sized at a maximum of 0.5 W/sf (equivalent) of heated floor area or 500 W, whichever is bigger, may be installed in the dwelling unit.

<sup>&</sup>lt;sup>3</sup> 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.

<sup>&</sup>lt;sup>4</sup> 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.

|   | Table 406.3 – Energy Credits (Single Family)  |             |  |
|---|---|-------------|--|
| Option  | Description   | Credits: SF |  |
| 4. HIGH EFFICIENCY HVAC DISTRIBUTION SYSTEM OPTIONS |   |             |  |
|   | All supply and return ducts located in an unconditioned attic shall be deeply buried in ceiling insulation in accordance with Section R403.3.7.   |             |  |
| 4.1   | For mechanical equipment located outside the conditioned space, a maximum of 10 linear feet of return duct and 5 linear feet of supply duct connections to the equipment may be outside the deeply buried insulation. All metallic ducts located outside the conditioned space must have both transverse and longitudinal joints sealed with mastic. If flex ducts are used, they cannot contain splices. | 0.5         |  |
|   | Duct leakage shall be limited to 3 cfm per 100 square feet of conditioned floor area.  Air handler(s) shall be located within the conditioned space.  |             |  |
|   | HVAC equipment and associated duct system(s) installation shall comply with the requirements of Section R403.3.7.   |             |  |
|   | Locating system components in conditioned crawl spaces is not permitted under this option.  |             |  |
|   | Electric resistance heat and ductless heat pumps are not permitted under this option.   | 1.0         |  |
| 4.2   | Direct combustion heating equipment with AFUE less than 80% is not permitted under this option.   |             |  |
|   | To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the heating equipment type and shall show the location of the heating and cooling equipment and all the ductwork.   |             |  |

| Table 406.3 – Energy Credits (Single Family) |  |            |
|--|--|------------|
| Option                                       | Description  | Credits: S |
|  | INT WATER HEATING OPTIONS option from Items 5.2 through 5.6 may be selected in this category. Item 5.1 may be combined with any  | ontion     |
| Jilly Offe C                                 | A drain water heat recovery unit(s) shall be installed, which captures waste water heat from all   | орион.     |
| Г 1  | and only the showers, and has a minimum efficiency of 40% if installed for equal flow or a minimum efficiency of 54% if installed for unequal flow. Such units shall be rated in accordance with CSA B55.1 or IAPMO IGC 346-2017 and be so labeled.  | 0.5        |
| 5.1  | To qualify to claim this credit, the building permit drawings shall include a plumbing diagram that specifies the drain water heat recovery units and the plumbing layout needed to install it. Labels or other documentation shall be provided that demonstrates that the unit complies with the standard.  | 0.5        |
| 5.2  | Water heating system shall include one of the following:<br>Energy Star rated gas or propane water heater with a minimum UEF of 0.80. <sup>5</sup>   | 0.5        |
|  | Water heating system shall include one of the following:<br>Energy Star rated gas or propane water heater with a minimum UEF of 0.91 <i>or</i>   |            |
| 5.3  | 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 <i>or</i>   | 1.0        |
|  | Water heater heated by ground source heat pump meeting requirements of Option 3.3.   |            |
|  | To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall specify the water heater equipment type and the minimum equipment efficiency and, for solar water heating systems, the calculation of minimum energy savings.  |            |
| 5.4  | Water heating system shall include one of the following: Electric heat pump water heater meeting the standards for Tier I of NEEA's advanced water heating specification <b>or</b> For R-2 Occupancy, electric heat pump water heater(s), meeting the standards for Tier I of NEEA's advanced water heating specification, shall supply domestic hot water to all units. If one water heater is serving more than one dwelling unit, all hot water supply and recirculation piping shall be insulated with R-8 minimum pipe insulation. <sup>5</sup> | 1.5        |
|  | Water heating system shall include one of the following: Electric heat pump water heater meeting the standards for Tier III of NEEA's advanced water heating specification <i>or</i>   |            |
| 5.5  | For R-2 Occupancy, electric heat pump water heater(s), meeting the standards for Tier III of NEEA's advanced water heating specification, shall supply domestic hot water to all units. If one water heater is serving more than one dwelling unit, all hot water supply and recirculation piping shall be insulated with R-8 minimum pipe insulation. <sup>5</sup>  | 2.0        |
| 5.6  | Water heating system shall include one of the following: Electric heat pump water heater with a minimum UEF of 2.9 and utilizing a split system configuration with the air-to-refrigerant heat exchanger located outdoors. Equipment shall meet Section 4, requirements for all units, of the NEEA standard <i>Advanced Water Heating Specification</i> with the UEF noted above <i>or</i>   |            |
|  | For R-2 Occupancy, electric heat pump water heater(s), meeting the standards for Tier III of NEEA's advanced water heating specification and utilizing a split system configuration with the air-to-refrigerant heat exchanger located outdoors, shall supply domestic hot water to all units. If one water heater is serving more than one dwelling unit, all hot water supply and recirculation piping shall be insulated with R-8 minimum pipe insulation. <sup>5</sup>   | 2.3        |
|  | ify to claim this credit, the building permit drawings shall specify the option being selected and s the water heater equipment type and the minimum equipment efficiency.   | hall       |

|                                     | Table 406.3 – Energy Credits (Single Family)   |                    |  |
|-------------------------------------|--|--------------------|--|
| Option                              | Description  | <b>Credits: SF</b> |  |
| 6. RENEWABLE ELECTRIC ENERGY OPTION |  |                    |  |
|                                     | For each 1200 kWh of electrical generation per housing unit provided annually by on-site wind or solar equipment a 1.0 credit shall be allowed, up to 3 credits. Generation shall be calculated as follows:  |                    |  |
|                                     | For solar electric systems, the design shall be demonstrated to meet this requirement using the National Renewable Energy Laboratory calculator PVWATTs or approved alternate by the code official.  |                    |  |
| 6.1                                 | Documentation noting solar access shall be included on the plans. For wind generation projects designs shall document annual power generation based on the following factors: the wind turbine power curve; average annual wind speed at the site; frequency distribution of the wind speed at the site and height of the tower.   | 1.0                |  |
|                                     | To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall show the photovoltaic or wind turbine equipment type, provide documentation of solar and wind access, and include a calculation of the minimum annual energy power production.   |                    |  |
| 7. APPLIA                           | ANCE PACKAGE OPTION  |                    |  |
| 7.1                                 | All of the following appliances shall be new and installed in the dwelling unit and shall meet the following standards:  Dishwasher – Energy Star rated  Refrigerator (if provided) – Energy Star rated  Washing machine – Energy Star rated  Dryer – Energy Star rated, ventless dryer with minimum CEF rating of 5.2.  | 0.5                |  |
|                                     | To qualify to claim this credit, the building permit drawings shall specify the option being selected and shall show the appliance type and provide documentation of Energy Star compliance. At the time of inspection, all appliances shall be installed and connected to utilities. Dryer ducts and exterior dryer vent caps are not permitted to be installed in the dwelling unit. |                    |  |