



# DRAFT ENERGY STAR New Certification Program National Rater Field Checklist (Initial Stakeholder Feedback Version)

Home/Building Address: _____ City: _____ State: _____ Permit Date: _____															
1. ENERGY STAR Certification Baseline	Must Correct	Rater Verified <sup>1</sup>	N/A <sup>2</sup>												
1.1 Home or building certified under one of the following ENERGY STAR New Construction programs (check box):															
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><u>Single Family New Homes (SFNH)</u></td> <td style="width: 50%; border: none;"><u>Multifamily New Construction (MFNC)</u></td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> SFNH National Version 3.2</td> <td style="border: none;"><input type="checkbox"/> MFNC National Version 1.2</td> </tr> <tr> <td style="border: none;"><i>California Projects Only:</i> <input type="checkbox"/> SFNH California Version 3.3</td> <td style="border: none;"><input type="checkbox"/> MFNC California Version 1.3</td> </tr> </table>	<u>Single Family New Homes (SFNH)</u>	<u>Multifamily New Construction (MFNC)</u>	<input type="checkbox"/> SFNH National Version 3.2	<input type="checkbox"/> MFNC National Version 1.2	<i>California Projects Only:</i> <input type="checkbox"/> SFNH California Version 3.3	<input type="checkbox"/> MFNC California Version 1.3	<input type="checkbox"/>	<input type="checkbox"/>	-						
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2. Dwelling Unit Space Heating															
2.1 ENERGY STAR certified two-speed or variable-speed heat pump(s) installed and sized in accordance with the HVAC Design Report	<input type="checkbox"/>	<input type="checkbox"/>	-												
2.1.1 Blower fan volumetric airflow, blower fan watt draw, and refrigerant charge are Grade I per ANSI / RESNET / ACCA Std. 310 <sup>3</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
2.1.2 In CZ 5-8, installed heat pumps are ENERGY STAR Cold Climate certified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
2.2 Each heat pump meets EPA's 'connected' criteria or is controlled by an ENERGY STAR certified smart thermostat	<input type="checkbox"/>	<input type="checkbox"/>	-												
3. Dwelling Unit Water Heating															
3.1 ENERGY STAR certified heat pump water heater that meets EPA's 'connected' criteria is installed <sup>4</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
3.2 Each heat pump water heater is 240 volts, with minimum tank capacity as follows:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;"><b>Bedrooms:</b></td> <td style="width: 12.5%; text-align: center;">1</td> <td style="width: 12.5%; text-align: center;">2</td> <td style="width: 12.5%; text-align: center;">3</td> <td style="width: 12.5%; text-align: center;">4+</td> </tr> <tr> <td><b>Minimum Tank Capacity:</b></td> <td style="text-align: center;">40</td> <td style="text-align: center;">50</td> <td style="text-align: center;">65</td> <td style="text-align: center;">80</td> </tr> </table>	<b>Bedrooms:</b>	1	2	3	4+	<b>Minimum Tank Capacity:</b>	40	50	65	80					
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3.3 Each heat pump water heater located within occupiable space has a sone rating ≤ 55 dBA <sup>5</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
4. Cooking															
4.1 Cooktops and range elements/burners use induction technology, and ovens are electric <sup>6, 7</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
5. Electric Vehicle Charging Infrastructure - For one and two-family dwellings with a private driveway or garage, comply with Item 5.1 For all other dwellings and dwelling units, comply with either Item 5.1 or 5.2															
5.1 <u>EV-Ready</u> : One parking space is provided per dwelling unit that includes all of the items below: <sup>8</sup>	-	-	<input type="checkbox"/>												
5.1.1 A powered 208/240 receptacle is installed in garage or within 3 feet of driveway or dedicated parking space <sup>9</sup>	<input type="checkbox"/>	<input type="checkbox"/>	-												
5.1.2 The electric service panel includes a 40-amp breaker and panel directory identifies the branch circuit as "Electric vehicle charging"	<input type="checkbox"/>	<input type="checkbox"/>	-												
5.2 EV Chargers and EV-Capable parking spaces are installed, including all of the items below:	-	-	<input type="checkbox"/>												
5.2.1 <u>EV Charger</u> : Install (at a minimum) the following number of ENERGY STAR certified EV Chargers that meet EPA's 'connected' criteria as follows: <sup>10, 11</sup>	<input type="checkbox"/>	<input type="checkbox"/>	-												
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5.2.2 <u>EV-Capable</u> : Conduit is installed that runs continuously from the electrical panel to a junction box that terminates within 3 feet of at least 20% of the development's parking spaces <sup>10, 12, 13</sup>	<input type="checkbox"/>	<input type="checkbox"/>	-												
Rater Name: _____ Rater Inspection Date: _____ Rater Initials: _____															



# DRAFT ENERGY STAR *New Certification Program*

## National Rater Field Checklist (*Initial Stakeholder Feedback Version*)

### Footnotes

1. The term 'Rater' refers to the person(s) completing the third-party verification required for certification. The person(s) shall: a) be a Certified Rater or Approved Inspector, as defined by ANSI / RESNET / ICC Standard 301, or an equivalent designation as determined by a Home Certification Organization (HCO); and b) have attended and successfully completed an EPA-recognized training class. See <http://www.energystar.gov/newhomestraining>.
2. The column titled "N/A," which denotes items that are "not applicable," should be used when the checklist Item is not present in the home or conflicts with local requirements.
3. For this new certification program, the home is not permitted to be certified with a default refrigerant charge designation of Grade III. If the non-invasive procedure cannot be performed during the final inspection of a home, the weigh-in method procedure in ANSI / RESNET / ACCA Std. 310 may still be used to pursue a Grade I designation.
4. A single supplemental electric spot water heating system that serves one appliance or bathroom is allowed.
5. Per ASHRAE 62.2-2010, the term "occupiable space" is defined as any enclosed space inside the pressure boundary and intended for human activities, including, but not limited to, all habitable spaces, toilets, closets, halls, storage and utility areas, and laundry areas.
6. This requirement does not apply for sleeping units without kitchens but does apply to kitchens in common spaces. This requirement does not apply to cooking appliances located outside the building thermal envelope (e.g., outdoor kitchens and grills).
7. Government subsidized housing units may install electric resistance cooktops. Government subsidized housing is defined as property that receives some type of local, state, or federal affordable housing subsidy for some or all units. Examples include Federal Housing Association (FHA) Insured; Public Housing; Agricultural Housing; Veterans Affairs (VA) Housing; Department of Defense (DoD) Housing; Low Income Housing Tax Credit (LIHTC); Project Based Housing Assistance Payment (HAP) (including Section 8), or another type of local, state or federal subsidy.
8. Alternatively, when there are fewer parking spaces than dwelling units, meet Item 5.1 for 100% of units that have parking spaces.
9. If the addition of the 40-amp Electric Vehicle Charging branch circuit increases the electrical service to the next nominal size (i.e., from 200-amp to 400-amp service), connecting the circuit to the electrical panel is not required. The Rater shall retain a copy of the electrical sizing calculations or statement from the electrical designer for their records but need not evaluate the documentation to certify the home.
10. When calculating the number of EV chargers and EV-Capable spaces required, include all parking spaces in the development except for one and two-family dwellings' private driveways or garages that must comply with Item 5.1. For this purpose, the "development" includes the combined areas covered by the project's site permit and zoning permit. The number of required compliant spaces should be rounded up to the nearest whole number.
11. EV Chargers that contain two charging ports may be counted as two chargers, so long as the connectors can reach and charge EVs in two parking spaces simultaneously.
12. An EV-Ready parking space qualifies as EV-Capable. EV Chargers also qualify as EV-Capable, except those required to meet 5.2.1.
13. Projects with a common area electrical room may have the conduit terminate anywhere within the electrical room. Parking spots in a covered garage are deemed EV-Capable if the conduit terminates anywhere within the garage on that parking level.