ENERGY STAR NextGen Certified Homes & Apartments National Rater Field Checklist, Version 1.0 (Rev. 0)

Home/Building Address: _____ City: _____ State: _____ Permit Date: _____

1. ENERGY STAR Certification Baseline	Must Correct	Rater Verified [1]	N/A [2]
1.1 Home or building certified under one of the following ENERGY STAR New Construction programs (check box): Single Family New Homes (SFNH) — Multifamily New Construction (MFNC) ☐ SFNH National Version 3.2 — ☐ MFNC National Version 1.2 *California Only:* ☐ SFNH California Version 3.4 — ☐ MFNC California Version 1.4	☐	☐	-
2. Dwelling Unit Space Heating			
2.1 ENERGY STAR certified heat pump(s) installed and sized in accordance with the HVAC Design Report.	☐	☐	-
2.1.1 For each air-source heat pumps, blower fan volumetric airflow, blower fan watt draw, and refrigerant charge are Grade I per ANSI / RESNET / ACCA Std. 310. [3]	☐	☐	☐
2.1.2 In CZ 5-8, installed air-source heat pumps are ENERGY STAR certified for Cold Climate.	☐	☐	☐
2.2 Each heat pump is controlled by a wifi thermostat or ENERGY STAR certified smart thermostat, or meets EPA's 'connected' criteria.	☐	☐	☐
2.3 Each air-source heat pump has two-speed or variable-speed blower fan & two-speed or variable-speed compressor.	☐	☐	☐
3. Dwelling Unit Water Heating			
3.1 ENERGY STAR certified heat pump water heater that is 208/240 volts is installed. [4]	☐	☐	☐
3.2 Each heat pump water heater has minimum rated storage volume [5] as follows: **Bedrooms** [6]: 0-1 — 2 — 3 — 4+ **Minimum Tank Capacity:** 36 — 45 — 59 — 72	☐	☐	☐
3.3 Each heat pump water heater located within occupiable space has a manufacturer-rated sound level ≤ 55 dBA. [7, 8]	☐	☐	☐
3.4 Each heat pump water heater meets EPA's 'connected' criteria or has an ANSI / CTA-2045 port (EcoPort).	☐	☐	☐
4. Cooking			
4.1 Cooktops and ovens are electric. [9] Induction ranges are recommended, but not required.	☐	☐	☐
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 EV-Ready: One parking space is provided per dwelling unit that includes all of the items below: [10]	-	-	☐
5.1.1 A powered 208/240 receptacle installed in garage or within 3 feet of driveway or dedicated parking space. [11]	☐	☐	-
5.1.2 The electric service panel includes a 40-amp breaker (or greater), and panel directory identifies the branch circuit as "Electric vehicle charging."	☐	☐	-
5.2 EV Chargers and EV-Capable parking spaces are installed, including all of the items below:	-	-	☐
5.2.1 EV Charger: The following minimum number of ENERGY STAR certified EV Chargers installed that meet EPA's 'connected' criteria: [12, 13] **Parking Spaces:** 1-10 spaces — 11-20 spaces — 21-30 spaces — 31-40 spaces — 41+ spaces **EV Chargers:** 1 — 2 — 3 — 4 — 5	☐	☐	-
5.2.2 EV-Capable: 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. [13, 14, 15]	☐	☐	-

Rater Name: _____ Rater Inspection Date: _____ Rater Initials: _____

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 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 dwelling unit or conflicts with local requirements.
3. Dwelling units are 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. The minimum rated storage volume for the dwelling unit is not impacted.
5. Minimum rated storage volume may be met by one or more heat pump water heaters. When installing multiple water heaters sum the total combined rated storage volume.
6. A bedroom is defined by ANSI / RESNET / ICC 301 as:

   Bedroom – For one- and two-family Dwellings and Townhouses, a room or space 70 square feet of floor area or greater, with Egress Window or skylight, and doorway to the main body of the Dwelling Unit, that can be used for sleeping. For all other Dwelling Units, a room or space that can be used for sleeping. For all Dwelling or Sleeping Units, the number of Bedrooms shall not be less than one.

   Egress Window – An operable window that provides for a means of escape and access for rescue in the event of an emergency, with the following attributes:

   - Has a sill height of not more than 44 inches above the floor; and,
   - Has a minimum net clear opening of 5.7 sq. ft.; and,
   - Has a minimum net clear opening height of 24 in.; and,
   - Has a minimum net clear opening width of 20 in.; and,
   - Is operational from the inside of the room without the use of keys, tools or special knowledge.

   For Sleeping Units, the number of bedrooms = number of beds -1.
7. 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.
8. Heat pump water heaters listed on NEEA's Advanced Water Heating Specification Qualified Products List at a Tier that requires sound levels ≤ 55 dBA meet this requirement.
9. This requirement does not apply to 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).
10. Alternatively, when there are fewer parking spaces than dwelling units, meet Item 5.1 for 100% of units that have parking spaces.
11. If the addition of the 40-amp Electric Vehicle Charging branch circuit would require increasing the electrical service to 400-amp, 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.
12. 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.
13. 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.
14. An EV-Ready parking space qualifies as EV-Capable. EV Chargers also qualify as EV-Capable, except those required to meet 5.2.1.
15. 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.