



# U.S. DOE Zero Energy Ready Home Program Multifamily Photo Documentation Guidance Version 2 (Rev. 1)

## Instructions

Use these guidelines to comply with the photo documentation requirements of the DOE Zero Energy Ready Home Program Multifamily National Version 2. Provide your MRO for ZERH or HCO for ZERH with a copy of all applicable photos or documents listed below. Based on required content, photos may be captured pre- or post-drywall. Name files accordingly or save in appropriately named sub-folders. Clarify photo content in a separate document as needed. Ensure that nameplates and details demonstrating compliance are clearly identifiable in the photo. In addition to the photos below, for the ERI path, the Rater must also capture all photos required by the on-site inspection protocols in Normative Appendix B of ANSI/RESNET/ICC 301.

For properties with multiple buildings, the Rater must take photos from all buildings. However, a representative photo of each unique item or component for the property may be provided to the MRO for ZERH or HCO for ZERH. Be prepared to share additional photo documentation for each building upon request.

Some projects may use alternatives or exceptions to comply with certain program requirements. In these cases, photo documentation must capture the item in question to the extent required by the alternative or exception.

Photos taken according to the ENERGY STAR Multifamily New Construction (ESMFNC) Photo Documentation Guidance Document may be re-submitted to document compliance with ZERH Multifamily Version 2 program requirements, where requirements overlap. Items where additional photo documentation beyond ESMFNC may not be required are marked with a blue asterisk (\*).

## Photo Documentation of National Rater Checklist Items

### 3. Building Envelope

- Provide a photo or other documentation for each unique window type with third party verification (NFRC label if applicable) of U-value and SHGC (National Rater Checklist item 3.2).\*

### 4. Duct System

- For one dwelling unit, provide photos showing that no ducts or air handling equipment serving the dwelling unit are installed outside of conditioned space (National Rater Checklist item 4.1).

### 5. Water Heating Efficiency

- For each unique fixture listed below installed in dwelling units, provide a clear photo showing the model number. Provide documentation (cut sheet or directory reference) that confirms the model number is listed online (or was listed at time of purchase) at <https://www.epa.gov/watersense/product-search>.

1. Showerheads (National Rater Checklist item 5.1) \*



# U.S. DOE Zero Energy Ready Home Program Multifamily Photo Documentation Guidance Version 2 (Rev. 1)

2. Bathroom faucets (National Rater Checklist item 5.1) \*
3. Aerators (National Rater Checklist item 5.1)

## 6. Lighting and Appliances

- Include a clear photo of the nameplate of each unique appliance listed below showing appliance model number. Provide documentation that confirms the model number is listed online (or was listed at time of purchase) at [www.energystar.gov/products](http://www.energystar.gov/products).
  1. Refrigerator (National Rater Checklist item 6.1) \*
  2. Dishwasher (National Rater Checklist item 6.1) \*
  3. Clothes washer (per National Rater Checklist item 6.1) \*
  4. Clothes dryer (National Rater Checklist item 6.1) \*
  5. Bathroom ventilation fans (National Rater Checklist item 6.3)
- Include one photo of each unique lighting fixture type included in dwelling units that demonstrates it is LED (National Rater Checklist item 6.2) \*

## 7. Indoor Air Quality

*Applicable only to projects located in 2021 IECC Climate Zones 6, 7, and 8.*

- For each unique heat or energy recovery ventilation equipment, include a photo of nameplates including manufacturer and model number (National Rater Checklist item 7.2).

## 8. Renewable Ready

- Include a photo showing a reserved space in the main electric service panel (or other panel, if applicable) for a future dual-pole circuit breaker. The photo must show the space labeled “For Future Solar Electric” and its positioning at the end of the panel opposite from the panel supply conductor connection (PV-Ready Checklist item 7).
- Include a photo showing a permanent certificate that displays ZERH solar-ready requirements posted near the electrical distribution panel or other conspicuous location (PV-Ready Checklist item 8).

## 9. Electric Vehicle Ready

- Provide a photo or multiple photos showing the location of required EVSE spaces (EV-Ready Checklist Item 1).
- Provide a photo or multiple photos showing the location of required EV Capable or EV Ready spaces (EV-Ready Checklist Item 1).
- For each EV Capable and EV Ready space present, provide a unique photo showing the enclosure our outlet and electric distribution equipment directory marked “For electric vehicle supply equipment (EVSE)” (EV-Ready Checklist items 2d and 3c).
- For each installed EVSE, provide a photo showing that it is installed within 6 feet of the identified EVSE space (EV-Ready Checklist item 4a).



# U.S. DOE Zero Energy Ready Home Program Multifamily Photo Documentation Guidance Version 2 (Rev. 1)

## 10. Heat Pump Water Heater Ready

- Provide a photo showing an individual branch circuit outlet that is installed and energized, terminating within 3 feet of each installed fossil fuel water heater (National Rater Checklist Item 10.1).
- Provide a photo showing a volume of open space at least 3'x3'x7' available surrounding or within three feet of the installed fossil fuel water heater. The volume may contain the existing water heater (National Rater Checklist item 10.2).
- Drain

## 11. Heat Pump Space Heating Ready

- Provide a photo showing an individual branch circuit outlet or conduit terminating within three feet of existing in-unit combustion space heaters (National Rater Checklist Item 11.1).

## 12. HVAC System

- *Prescriptive path, Track B only:* Photo documentation provided showing an in-unit or central heat pump water heater OR showing blower door test results (National Rater Checklist Item 12b.1).

## Additional Photo Documentation Requirements

- For each unique heating and cooling system, provide a photo of the nameplates to verify manufacturer, model number, efficiency, and capacity.\*
- Include a clear photo of the nameplate of each unique water heater showing model number, efficiency, and capacity. Where efficiency is not reported on the nameplate, provide AHRI Certificate.\*
- Photo documentation provided showing blower door test results.\*
- Provide a photo of each unique exterior door with third party verification (NFRC label if applicable) of U-value and SHGC (if applicable).\*
- If HVAC grading is performed, photo documentation provided showing results of all tests performed (blower fan volumetric airflow, blower fan watt draw, refrigerant charge).
- *Prescriptive path only:* Provide photo demonstrating that the thermostat is programmable.\*
- *Prescriptive path, Climate Zones 4C and 5 only:* For each unique heat or energy recovery ventilation equipment, include a photo of nameplates including manufacturer and model number.