U.S. DOE Zero Energy Ready Home
PV-Ready Checklist – Version 1 Rev 9.0

These PV Ready provisions of the DOE Zero Energy Ready Home program shall be met by any home or building certified under the program, unless one or more of the exceptions noted in the program requirements which reference this checklist applies. If one or more exceptions apply, a project may be certified under the DOE Zero Energy Ready Home program if all other applicable program requirements are met.

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Item #	**Requirement**	**Rater Verified[1]**
1	Designate a proposed array location (within +/- 45° of true south) or with a written description noting which part(s) of the roof or lot will be used for the proposed array: **PV**_____ ft^2	☐
2	Identify orientation (Azimuth) of proposed array location: **PV**_____degrees	☐
3	Identify inclination of proposed array location: **PV**_____degrees	☐
4	Provide to the owner code-compliant documentation of the maximum allowable dead load and live load ratings of the existing roof. This provision is not required for proposed future ground-mount systems.	☐
5	Provide to the owner an architectural drawing of solar PV system components relating the information from Items 1 – 3 above. ***or*** Provide to the owner a written description of the following information: • List of renewable-ready features. This can be documented by providing a copy of this checklist. • Description of the location of the proposed array location and its size, from Item #1. • Location of breaker or slot for future breaker in electrical service panel	☐
6	Install 1” electric metallic tube (EMT) conduit or other 1” code-compliant conduit from the attic space beneath the designated array location or the roof area near the designated array location, to a location within 8 feet of the main electric service panel that terminates to a junction box. The number of bends shall adhere to electrical code requirements. Cap and label both ends.[2] For ground-mounted PV systems, code-compliant conduit runs from the house to the designated future array location (Item 1). ***Field Verify***.	☐
7	Install or reserve space in the main electrical service panel for the future installation of a dual pole circuit breaker for use by the PV system. Label the service panel.[2] ***Field Verify***.	☐

Endnotes

[1] The Rater is defined as 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 DOE-recognized Home Certification Organization for ZERH (HCO for ZERH). All Raters for DOE ZERH projects must successfully complete a DOE ZERH orientation course. The Rater shall also have a signed partnership agreement in place with the DOE ZERH program.

[2] If the building does not have a main electrical service panel serving the entire building, then an electrical service panel serving common space may be used to satisfy this provision. If the building also does not have an electrical service panel serving common space, this requirement shall be applied to the electrical service panels within individual dwelling units. If this approach is used, at least 50% of the dwelling units in the building must meet the stated requirements.

Projects may also choose to use this individual dwelling unit approach even if a main electrical service panel or an electrical service panel serving common spaces exists.