

U.S. DOE Zero Energy Ready Home PV-Ready Checklist – Version 2



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 applicable program requirements 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.

Application to Multifamily buildings: for multifamily buildings, the PV-Ready provisions listed below may optionally be applied to the electric service for the building's common space instead of being applied to each individual dwelling unit.

These requirements were adapted from the U.S. EPA's Renewable Energy Ready Home Solar Photovoltaic Specification Guide. This guide can be accessed online at:

https://www.energystar.gov/sites/default/files/asset/document/Renewable_Energy_PV.pdf

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Item #	Requirement	Rater Verified ¹
1	Identify a proposed array location in between 110 and 270 degrees of true north and its square footage on architectural diagram or with a written description noting which part(s) of the roof or lot will be used for the proposed array: PV _____ sq.ft.	<input type="checkbox"/>
2	Identify orientation (Azimuth) of proposed array location: PV _____ degrees.	<input type="checkbox"/>
3	Identify Inclination of proposed array location: PV _____ degrees.	<input type="checkbox"/>
4	Provide to 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.	<input type="checkbox"/>
5	Provide to owner architectural drawing of solar PV system components relating the information from Items 1 – 3 above. <i>or</i> Provide to owner a written description of the following information: <ul style="list-style-type: none"> • 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 	<input type="checkbox"/>
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 electric service panel that terminates to a junction box. The number of bends shall adhere to electrical code requirements. Cap and label both ends.	<input type="checkbox"/>
7	Install or reserve space in the electrical service panel for the future installation of a dual pole circuit breaker for use by the PV system. Label the service panel.	<input type="checkbox"/>

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.