



Zero Energy Ready Home PV-Ready Checklist

ENERGIZE CONNECTICUT

All single family homes in the Connecticut Residential New Construction (RNC) program must meet the state’s Department of Energy (DOE) Zero Energy Ready Home (ZERH) requirements for renewable readiness if the following two conditions are met. Homes that do not meet both conditions are exempt from the requirements in the PV-Ready Checklist.*

Note: The PV-Ready Checklist is a reference tool for Connecticut RNC program participation and does not certify homes under the DOE ZERH program. For information on DOE ZERH certification, please visit www.energy.gov/eere/buildings/zero-energy-ready-home-program.

These requirements are based on the Environmental Protection Agency’s (EPA) Renewable Energy Ready Home Solar Photovoltaic Specification Guide (RERHPV Guide). The checklist includes guide references for additional support, accessible at www.eere.energy.gov/buildings/residential/pdfs/rerh_pv_guide.pdf.

Conditions for PV-Ready Compliance:

1. The location has no significant natural shading (e.g., trees or tall buildings that obstruct the south-facing roof).
2. The home’s design includes sufficient free roof area within +/-45° of true south, as specified in the table below.

Conditioned Floor Area of the House (sq. ft.)	Minimum Roof Area within +/- 45° of True South for PV-Ready Checklist to Apply (sq. ft.)
≤ 2,000	110
≤ 4,000	220
≤ 6,000	330
> 6,000	440

Note: If a solar photovoltaic system is included with the home, then compliance with the consolidated Renewable Energy Ready Home (RERH) checklist is not required.

*Homes with physical restrictions that affect these standards will be examined on a case-by-case basis.



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PV _____ sq. ft. (RERHPV Guide 1.1)	<input type="checkbox"/>
Identify orientation (azimuth) of proposed array location: PV _____ degrees. (RERHPV Guide 1.2)	<input type="checkbox"/>
Identify inclination of proposed array location: PV _____ degrees. (RERHPV Guide 1.2)	<input type="checkbox"/>
Provide code-compliant documentation of the maximum allowable dead load and live load ratings of the existing roof; recommended: allowable dead load rating can support an additional 6 lbs./sq. ft. for future solar system. (RERHPV Guide 2.1)	<input type="checkbox"/>
Provide architectural drawing of solar PV system components. (RERHPV Guide 3.5) Alternative: Provide home buyer with the following information: <ul style="list-style-type: none"> • List of renewable-ready features • Available free roof area within +/- 45° of true south • Location of panel or blocking for future mounting of PV system components • Location of breaker or slot for future breaker in electrical service panel • A copy of the PV-Ready Checklist • A copy of the RERHPV Guide 	<input type="checkbox"/>
Install a 1" metal conduit for the direct common wire run from the designated array location to the designated inverter location (cap and label both ends). (RERHPV Guide 3.2)	<input type="checkbox"/>
Install a 1" metal conduit from designated inverter location to electrical service panel (cap and label both ends). (RERHPV Guide 3.3)	<input type="checkbox"/>
Install and label a 4' x 4' plywood panel area for mounting an inverter and balance of system components. (RERHPV Guide 3.1) Alternative: Blocking is permitted to be used as an alternative to the 4' x 4' panel. The area designated for the future panel to mount PV components shall be clearly noted in the system documentation.	<input type="checkbox"/>
Install a 70-amp dual pole circuit breaker in the electrical service panel for use by the PV system (label the service panel). (RERHPV Guide 3.4) Alternative: Provide a labeled slot for a double-pole breaker in the electrical service.	<input type="checkbox"/>

Project Address (Street and Town):

Home Energy Rating System (HERS) Rater Name and Company:

Date:

<input type="text"/>	<input type="text"/>
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