CITY OF HOOD RIVER

Building Department | (541) 387-5202

211 2nd Street, Hood River, OR 97031 | building@cityofhoodriver.gov

Solar Panel Installation Requirements

Solar panels are regulated by the State of Oregon Structural Specialty Code. An on-line view-only version of the code is available at: BCD Codes and Standards .

Solar panel installations will require structural and electrical permits.
Electrical permits can be obtained through Hood River County Building Department (541-386-1306).
Installations complying with prescriptive path requirements (see 2022 OSSC Section 3111.3.5.3) are required to complete and submit the attached checklist along with the structural permit application. The flat rate structural permit fee for those permits is $228 + 3% technology fee, and 12% state surcharge. One (1) inspection is included with this permit.

Installations not complying with the prescriptive path requirements will require plans prepared and stamped by an Oregon registered engineer to be submitted along with the structural permit application. Permit and plan review fees for those installations will be based on the valuation of the elements for the solar panels, including racking, mounting elements, rails, and the cost of labor to install. The cost of the solar electrical equipment including collector panels and inverters shall be excluded from the permit valuation. Three (3) inspections are covered under these fees with additional inspections charged at an hourly rate.

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City of Hood River Solar Application

Property Owner Information		
Property Owner Name:		
Site Address:		
Mailing Address:		
City:	State:	Zip Code:
Phone :		
E-mail Address:		
Contractor Information		
Contractor:		CCB #:
Mailing Address:		
City:	State:	Zip Code:
E-mail Address:		
Phone :		

Site Plan

- Attach a simple site plan showing the location of the PV system, in relation to buildings, structures, property lines, and, as applicable, flood hazard areas.
- Systems must be shown in sufficient detail to assess whether the requirements for Section 3111.4.8 or one of the exceptions have been met.
- The site plan must be on 8.5 inch x 11 inch or larger paper.

Structural Information

ALL STRUCTURES:

- Is this conventional light framed wood construction?

  Yes ☐ No ☐ (check one)

  Does the structure have pre-engineered trusses?

  Yes ☐ No ☐ (check one)

  OR
- Does structure have roof framing members spaced 24 inches on center maximum?

  Yes ☐ No ☐ (check one)
- Is the weight of the PV modules and racking less than 4.5 pounds per square foot?

  Yes ☐ No ☐ (check one)

- Is the roofing material metal, single layer wood shingle, or not more than two layers of composition shingle?

  Yes ☐ No ☐ (check one)

Structural Information (continued)

STANDING SEAM METAL ROOFS:

- N/A ☐ Check box if not applicable.
- Is the metal gauge 26 or heavier?

  Yes ☐ No ☐ (check one)

- Clamp design: Are clamps designed to withstand uplift of at least 115 pounds for clamp spaced at 60 inches On center or less or at least 75 pounds for clamps spaced at 48 inches on center or less?

  Yes ☐ No ☐ (check one)

- Is the spacing of the clamps as measured along the seam less than or equal to 24 inches on center?

  Yes ☐ No ☐ (check one)

- Will the roofing panel attachments be at least #10 screws at 24 inches on center?

- Yes ○ No ○ (check one)

- Will the roofing panels be installed over minimum ½ inch nominal wood structural panels attached to framing with 8d nails at six inches on center at panel edges and 12 inches on center field nailing?

  Yes ☐ No ☐ (check one)

  If no, on any of these requirements, the project may not be submitted using the prescriptive path.

Wind Design

- Does the project site exceed 120 mph (ultimate) in exposure C or 130 mph (ultimate) in exposures A or B?

  Yes ☐ No ☐ (check one)

- Is the module height less than 18 inches above the roof in accordance with section 3111.5.3?

  Yes ☐ No ☐ (check one)

PV Modules

Manufacturer: _____

Model Number: _____

Listing Agency: _____

_____ _____ _____

Applicant Name (please print) **Applicant Signature:** **Date:**