



RESIDENTIAL ROOFTOP SOLAR EXPEDITED SELF CERTIFICATION FORM

SELF CERTIFICATION FORM

Contractors can apply for an expedited permit where the PV system meets the requirements listed in this checklist. All project plans and supporting documentation must be provided on site for the inspector.

-----TO BE COMPLETED BY APPLICANT AND SUBMITTED WITH APPLICATION-----

1 PROJECT INFORMATION:

1. Site Address or Parcel Number:
2. Permit Application Number <i>(if available)</i> :

2 RESIDENTIAL BUILDING QUALIFICATIONS:

	Yes	No
3. PV system is designed and proposed for a detached one- or two-family dwelling or townhouse not more than three stories above grade or detached accessory structure that is code compliant to setbacks and height, or code allows expansion of nonconformity for solar modules. [IRC 101.2]	<input type="checkbox"/>	<input type="checkbox"/>
4. Modules on pitched roofs do not exceed the highest point of the roof unless approved by the local jurisdiction.	<input type="checkbox"/>	<input type="checkbox"/>
5. Rooftop is made from lightweight material such as a single layer of composition shingles, metal roofing, lightweight masonry, or cedar shingles.	<input type="checkbox"/>	<input type="checkbox"/>
6. The installation shall comply with the manufacturer's instructions. [IRC M2302.2]	<input type="checkbox"/>	<input type="checkbox"/>
7. The installation shall meet the requirements of NFPA 70 National Electric Code, and all required electrical permit(s) must be obtained from the Authority Having Jurisdiction to administer the electrical code. [IRC M2302.2]	<input type="checkbox"/>	<input type="checkbox"/>
8. The installation shall meet the requirements of the International Fire Code as amended by WA State. [IRC M2302.2]	<input type="checkbox"/>	<input type="checkbox"/>
9. The PV system is designed for the wind speed of the local area and will be installed per the manufacturer's specifications. [IRC M2302.2.1(1)]	<input type="checkbox"/>	<input type="checkbox"/>
10. The ground snow load does not exceed 70 pounds per square foot. [IRC M2302.2.1(2)]	<input type="checkbox"/>	<input type="checkbox"/>
11. Total dead load of modules, supports, mountings, raceways and all other appurtenances weigh no more than four pounds per square foot. [IRC M2302.2.1(3)] Enter total dead load of system (lbs/ft ²): _____	<input type="checkbox"/>	<input type="checkbox"/>
12. To address uplift, modules are mounted no higher than 18" above the surface of the roofing to which they are affixed. [IRC M2302.2.1(4)]	<input type="checkbox"/>	<input type="checkbox"/>
13. Supports for solar modules are installed to spread the dead load across as many roof-framing members as needed to ensure that no point load exceeds fifty (50) pounds.	<input type="checkbox"/>	<input type="checkbox"/>

14. The photovoltaic modules and supporting structure shall be constructed of noncombustible materials or fire-retardant treated wood equivalent to that required for the roof construction. [IRC M2302.2.1]	<input type="checkbox"/>	<input type="checkbox"/>
15. Roof and wall penetrations shall be flashed and sealed to prevent entry of water, rodents, and insects. [IRC M2302.2.2]	<input type="checkbox"/>	<input type="checkbox"/>
16. PV modules are listed and labeled with a fire classification in accordance with UL 1703. [IRC M2302.2.3]	<input type="checkbox"/>	<input type="checkbox"/>
Comments:		

3 ELECTRICAL QUALIFICATIONS:

	Yes	No	N/A
17. PV modules, inverters, and combiner boxes are identified for use in PV systems.	<input type="checkbox"/>	<input type="checkbox"/>	
18. The inverters are listed and labeled in accordance with UL 1741 and are listed for utility interaction. [IRC M2302.4]	<input type="checkbox"/>	<input type="checkbox"/>	
19. The AC interconnection point is on the load side of service disconnect. [NEC 690.64(B)]	<input type="checkbox"/>	<input type="checkbox"/>	
20. The system meets all current NEC, City and Washington Cities Electrical Code requirements.	<input type="checkbox"/>	<input type="checkbox"/>	
21. For Split-Buss modules the AC interconnection must be one of the six service disconnects.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>22. Maximum load added to the panelboard is based on the rating of the panelboards bus/main OCPD combination in accordance with NEC 705.12(D)(2)(3)(b), and is limited to (check combination that applies):</p> <ul style="list-style-type: none"> <input type="checkbox"/> 225 amp bus/200 amp main OCPD - 13,440 AC watts, maximum 70 amp inverter OCPD. <input type="checkbox"/> 225 amp bus/225 amp main OCPD - 8,640 AC watts, maximum 45 amp inverter OCPD. <input type="checkbox"/> 200 amp bus/200 amp main OCPD - 7,860 AC watts, maximum 40 amp inverter OCPD. <input type="checkbox"/> 150 amp bus/150 amp main OCPD - 5,760 AC watts, maximum 30 amp inverter OCPD. <input type="checkbox"/> 125 amp bus/125 amp main OCPD - 4,800 AC watts, maximum 25 amp inverter OCPD. <input type="checkbox"/> 125 amp bus/100 amp main OCPD - 9,600 AC watts, maximum 50 amp inverter OCPD. <input type="checkbox"/> 100 amp bus/100 amp main OCPD - 3,840 AC watts, maximum 20 amp inverter OCPD. <p><input type="checkbox"/> Other- Electrical Permit with Plan Review Required</p> <p>Note 1: Listed un-altered factory main/bus combination. Alteration of the panelboard main OCPD will require plan review.</p> <p>Note 2: The circuit conductors and overcurrent devices shall be sized to carry not less than 125 percent of the maximum currents as calculated in 690.8(A). The rating or setting of overcurrent devices shall be permitted in accordance with 240.4(B) and (C).NEC 690.8(B)(1)</p> <p>Note 3: If a panelboard employs a snap switch rated 30 amperes or less in any branch circuit, it cannot be rated more than 200 amperes unless there is a supply side overcurrent protection at 200 amperes or less within the panelboard. This requirement does not apply to panelboards equipped with circuit breakers. Section 408.36(A) of the NEC.</p>			
<p>23. I have prepared the following Electrical One-Line Diagram to submit with my permit application:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Standard Electrical Diagram- 6 Strings or Less <input type="checkbox"/> Standard Electrical Diagram- 4 Strings or Less <input type="checkbox"/> Standard Electrical Diagram- Micro Inverter <p><input type="checkbox"/> None of the above- Electrical Permit with Plan Review Required</p>			
Comments:			

 If you answered yes to all of the above questions, the project qualifies for the expedited permitting process.


4 HISTORIC PRESERVATION:

Permit applications for historic properties require additional review by Olympia's historic preservation officer.

	Yes	No
24. The building to be used for mounting the proposed Solar PV system is NOT listed as a historic property or located within a historic district. <i>(unsure if the property is historic or not, you can verify using the city's Historic Inventory Map on the Historic Preservation webpage)</i>	<input type="checkbox"/>	<input type="checkbox"/>

CITY OF OLYMPIA | COMMUNITY PLANNING AND DEVELOPMENT
360.753.8314 or CPDinfo@ci.olympia.wa.us

5 AUTHORIZATION/DIGITAL SIGNATURE:

 As the property owner or authorized representative of the above listed property, I attest that all information in this checklist is accurate to the best of my knowledge.

Applicant Signature:	Date:
Applicant Name (Please Print):	

This form has been approved for use by the Olympia Community Planning and Development (CPD) Department.



Leonard Bauer, Director,
Community Planning and Development

11/16/2021

Date