Development & Business Services
20816 44th Ave W, Ste 230
Lynnwood, WA 98036
www.LynnwoodWA.gov/DBS

RESIDENTIAL ROOFTOP SOLAR SYSTEM ACCELERATED SELF CERTIFICATION CHECKLIST FORM

Contractor can apply for an accelerated permit where the PV system meets the requirements listed in this checklist. All project site plan, plans, one-line diagram and supporting documentation must be provided on site for the inspector prior to requesting inspection. Building and electrical permits are required for the installation or replacement of solar/photovoltaic (PV) systems, including rooftop arrays and PV water heaters.

PROJECT INFORMATION:

Project Applicant Name/Company _____
Site Owner Name _____
Site Address or Parcel Number _____
PV System Description (include manufacturer and model number of major equipment
_____

RESIDENTIAL BUILDING/FIRE QUALIFICATIONS:

	Yes	No
1. Photovoltaic (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.	☐	☐
2. PV system is being installed by a licensed contractor.	☐	☐
3. PV system is designed for rooftop of a house in general compliance with applicable codes.	☐	☐
4. Mounting system is engineered and designed for PV.	☐	☐
5. Rooftop is made from lightweight material such as a single layer of composition shingles, metal roofing, or cedar shingles.	☐	☐
6. To address uplift, panels are mounted no higher than 18" above the surface of the roofing to which they are affixed. Except for flat roofs, no portion of the system may exceed the highest point of the roof (or ridge).	☐	☐
7. Total dead load of panels, supports, mountings, raceways, and all other appurtenances weigh no more than three and one-half (3.5) pounds per square foot.	☐	☐
8. Supports for solar panels are installed to spread the dead load across as many roof-framing members as needed to ensure that at no point loads in excess of fifty (50) pounds are created.	☐	☐
9. The installation will comply with the manufacturer's instructions.	☐	☐
10. Per IRC M2301.2.9, roof and wall penetrations will be flashed and sealed in accordance with IRC Ch. 9 to prevent entry of water, rodents, and insects.	☐	☐
11. Home is code compliant to setbacks and height, or code allows expansion of nonconformity for solar panels.	☐	☐
12. System complies with International Residential Code Ch. 23 for solar thermal energy systems.	☐	☐
13. Roof-mounted collectors and supporting structure are constructed of noncombustible materials or fire-retardant-treated wood equivalent to that required for the roof construction per IRC M2301.2.2.1.	☐	☐
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15. I have prepared the roof plan with Roof access points and pathways for firefighters will be provided per IFC 1205.2.1.1 ▪ At least two 36-inch-wide pathways are provided on separate roof planes, from lowest roof edge to ridge and ▪ Not fewer than one pathway shall be provided on the street or driveway side of the roof ▪ For each roof plane with a photovoltaic array, not fewer than one 36-inch-wide pathway from lowest roof edge to ridge shall be provided on the same roof plane as the photo-voltaic array, on an adjacent roof plane or straddling the same and adjacent roof planes.	☐	☐
16. An electrical solar permit will be pulled.	☐	☐

ELECTRICAL QUALIFICATIONS:

	Yes	No
17. PV modules, inverters, and combiner boxes are identified for use in PV systems.	☐	☐
18. The inverters are listed and labeled in accordance with UL 1741 and are listed for utility interaction. [IRC M2302.4]	☐	☐
19. The AC interconnection point is on the load side of service disconnect. [NEC 690.64(B)]	☐	☐
20. The system meets all current NEC, City and Washington Cities Electrical Code requirements.	☐	☐
21. For Split-Buss modules the AC interconnection must be one of the six service disconnects. ☐ If not applicable, check here	☐	☐
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): ☐ 225 amp bus/200 amp main OCPD - 13,440 AC watts, maximum 70 amp inverter OCPD. ☐ 225 amp bus/225 amp main OCPD - 8,640 AC watts, maximum 45 amp inverter OCPD. ☐ 200 amp bus/200 amp main OCPD - 7,860 AC watts, maximum 40 amp inverter OCPD. ☐ 150 amp bus/150 amp main OCPD - 5,760 AC watts, maximum 30 amp inverter OCPD. ☐ 125 amp bus/125 amp main OCPD - 4,800 AC watts, maximum 25 amp inverter OCPD. ☐ 125 amp bus/100 amp main OCPD - 9,600 AC watts, maximum 50 amp inverter OCPD. ☐ 100 amp bus/100 amp main OCPD - 3,840 AC watts, maximum 20 amp inverter OCPD. ☐ **Other- Electrical Permit with Plan ReviewRequired** ***Note 1:*** *Listed un-altered factory main/bus combination. Alteration of the panelboard main OCPD will require plan review.* ***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)* ***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.*	☐	☐
23. I have prepared the following Electrical One-Line Diagram to submit with my permit application: ☐ Standard Electrical Diagram- 6 Strings or Less ☐ Standard Electrical Diagram- 4 Strings or Less ☐ Standard Electrical Diagram- Micro Inverter ☐ **None of the above- Electrical Permit with Plan Review Required**	☐	☐
24. I agree to schedule an on-the-ground pre-check inspection of all materials being used, such as, PV panels, micro inverters, mounting components, and PV panel configurations prior to roof mounting.	☐	☐

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