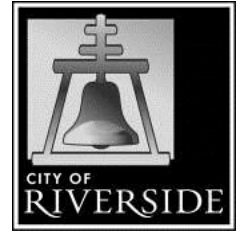


FORM PV.6
Effective: 10-1-15

Building & Safety Division
Phone: (951) 826-5697
Fax: (951) 826-5622
www.riversideca.gov



SMALL RESIDENTIAL (< 10 kW) SOLAR PERMIT-STANDARD CONDITIONS

All of the following conditions contained herein are applicable and must be incorporated into the construction of the project. Additional comments or corrective action(s) may be required by the Building Inspector if any applicable codes or regulations are violated.

1. The project must fully comply with the most current version of the 2013 California Building Standards Code (California Codes) as adopted by the City of Riverside.
2. Working clearances around all electrical equipment shall be maintained in accordance with CEC 110.26.
3. PV equipment and all associated wiring and interconnections shall only be installed by qualified persons. CEC 690.4 (E)
4. Rooftop mounted PV system panels and modules shall meet a minimum fire classification as required by R902.4 and CBC 1505.1.
5. All photovoltaic inverters must be listed and labeled as UL 1741 compliant. CEC 690.4 (D)
6. Arc Fault (AFCI) DC circuit protection is required for all PV systems on or penetrating a building with a maximum system voltage of 80 volts or greater. The AFCI protection shall be listed and labeled in accordance with UL 1699 (B). CEC 690.11
7. PV systems shall be provided with DC ground-fault protection. CEC 690.5
8. PV panels mounted on a rooftop shall be listed and labeled in accordance with UL 1703 and shall be installed in accordance with the manufacturer installation instructions. R908.1.5
9. All associated electrical equipment required for the PV system shall be listed and labeled.
10. Approved smoke and carbon monoxide alarms are required within the dwelling unit and shall be field verified either through final building inspection or a City of Riverside Self-Certification Form. Smoke alarms are required to be installed in all bedrooms, outside each bedroom, and at least one on each floor of the house. Carbon Monoxide alarms are required outside each bedroom and at least one on each floor of the house. R314.1, R315.1

11. A minimum of 6 inches shall be maintained between any plumbing sewer vents extending through the roof and the underside of the photovoltaic panels. CPC 906
12. All new rooftop penetrations shall be sealed and made weather tight with approved materials.
13. Appropriate working clearances shall be provided around existing rooftop equipment. CMC 304.1
14. DC conductors run inside a building (or attic) shall be contained in a metal raceway and appropriately marked and identified. CEC 690.31 (E)
15. All exterior conduit, fittings, and boxes shall be rain-tight and approved for use in wet locations and properly supported. CEC 314.15
16. Any conductors exposed to sunlight shall be listed as sunlight resistant. CEC 300.6 C (1)
17. All metallic raceways and equipment shall be bonded and electrically continuous. CEC 250.90
18. Grounding electrode conductors shall be continuous, except for splices or joints at bus bars within listed equipment. CEC 250.64 (C)
19. The PV system back-feed breaker shall be installed on the opposite end of the bus bar as per CEC 705.12 (D) 7 and it shall also be sized appropriately as per CEC 705.12 (D) 2
20. The AC disconnect shall be a “Knife blade” type disconnect. NEMA 6.3 and NEC 690.17
21. Revised plans shall be required to be resubmitted to the City if the installed array and associated equipment does not match the approved building plans. Additional fees shall also apply.
22. The placement of the Utility PV Production Meter must be placed between the Main Electrical Service and the Utility AC disconnect.
23. The PV production meter socket will be provided from 10” to 72” (edge to edge of the meter can) from the existing service meter and that it will be installed between 48” to 75” above the floor or grade level. The photovoltaic meter will be provided and installed by Riverside Public Utilities when they are the service provider.
24. Interconnection of the PV system shall NOT be permitted until an approved release from the Building & Safety Division is obtained by Riverside Public Utilities (RPU) AND RPU sets the performance meter.

Applicant Signature

Date