



CITY OF GLENDORA
116 E. FOOTHILL BLVD.
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PHOTOVOLTAIC SYSTEM SUBMITTAL CHECKLIST

Three complete sets of plans are required, *including the following*:

All plans must be **drawn to scale** and fully dimensioned.

Plans shall be in conformance with the 2016 California Building Code, 2016 California Electrical Code and the 2016 California Energy Code.

- Provide plot plan drawn to scale. Provide dimensions for property lines and setbacks.
- Plans designed by an *Electrical Engineer* must have wet seal and signature.
- Provide a plan view drawing to include:
 - Array rooftop layout. Indicate overall height of installation from nearest adjacent grade
 - Show all raceway and cable runs, function boxes, disconnects, inverters, subpanels, etc.
 - If the system is a ground mount system, show all dimensions on the plans
 - Provide a single line diagram, including point of connection at service panel
- Provide evidence of roof adequacy to support additional loads imposed, including size, spacing and span of supporting rafters.
- Provide UL Report approval number or appropriate listing for photovoltaic array per CEC 690.4 (B) (1703).
- Provide UL Report approval number or appropriate listing for inverter per CEC 690.4 (B) (1741).
- For Alternating Current Modules:
 - Provide disconnecting means per CEC 690.6 (C); 690.13.
- Provide system grounding per CEC 690.41.
- Provide equipment grounding per CEC 690.43; size equipment grounding per CEC 250.122.
- All metallic raceways and equipment shall be bonded and electrically continuous.
- Is utility point of interconnection an approved installation?
 - Line side CEC 690.64 and 705.12 (A). Supply side as permitted in 230.82 (6). The sum of the ratings of all overcurrent devices connected to power production sources shall not exceed the rating of the service.
 - Load side CEC 705.12 (D) (2) (3) (b). The combined overcurrent protection cannot exceed 120% of the buss rating.
- Provide circuit breaker or fuse. When a back fed breaker is the method of utility interconnection, breaker shall be listed for that purpose per CEC 705.12 (D) (4)..
- Circuit breakers shall be approved for use in the main electrical service.
- Provide Warning labels as per CEC 690.17 (4) or an approved equal. See signage/warning label requirements on reverse side.**

Required Warning Labels:
Language of Signage is Underlined

*Signage shall be permanent plastic signs with red background with white engraved letters.
Minimum size shall be 3" x 4" (note this on plans)*

- At disconnect, provide a permanent sign per CEC 690.17 (E):
 - **TERMINALS ON BOTH LINE AND LOAD SIDE MAY BE ENERGIZED IN THE OPEN POSITION**
- At the point of interconnection, provide a permanent sign stating:
 - **MAXIMUM AC OUTPUT OPERATING CURRENT AND THE OPERATING AC VOLTAGE per CEC 690.54**
- At all AC disconnects, provide a permanent sign per CEC 690.13 (B):
 - **"PHOTOVOLTAIC ARRAY AC DISCONNECT SWITCH."**
- At all DC disconnects, provide a permanent sign per CEC 690.13 (B) :
 - **"PHOTOVOLTAIC ARRAY DC DISCONNECT SWITCH."**

Contact Information:

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