



Submittal Requirements for New Residential Solar Photovoltaic Systems

1. Complete one (1) permit application.
2. Copy of signed contract for work to be completed.
3. Approval letter from MID/TID if system is tied to the utility.
4. Submit three (3) complete sets of plans for plan check, specifying all elements and sizes of the system. These are to include:
 - A. **Plot Plan**
 - Show the location of all solar photovoltaic panels, including the location of all disconnects, electrical equipment, and inverters in relation to all property lines.
 - Indicate physical sizes of equipment.
 - B. **Electrical Plan** (indicate type of system being used)
 - Provide manufacturer's specifications for the PV Array.
 - Provide manufacturer's specifications on the Inverter.
 - Provide manufacturer's specifications on the energy storage device.
 - Provide manufacturer's specifications on the charge control device.
 - Provide specifications on the load center panel.
 - Provide wiring diagram showing the number of solar photovoltaic panels with the voltage and kilowatt output, all disconnects, and all inverters with input and output ratings. Show the size of the main electrical panel in amperes, and the size of the solar photovoltaic circuit breaker in amperes. Add conductor types and sizes for all parts of the installation.
 - Circuit schedule and demand load.
 - All plans must indicate the existing electrical equipment as well as the new solar photovoltaic equipment.
 - C. **Structural Details**
 - Provide structural details for the installation of the PV Array. The plans and calculations must be stamped and 'wet' signed by a California registered architect or engineer.
 - A detail sheet showing either the supporting structure for ground-mounted arrays or the attachment of the panels to the roof.
 - Provide information on existing roof frame and roofing material used (if roof-mounted).
 - Any plans showing the requirement of high-strength concrete footings, shop-fabricated support structures, or field welding must be stamped and 'wet' signed by a California registered architect or engineer.
 - Required Special Inspection in accordance with the California Building Code Section 1704.