



GILA COUNTY PHOTOVOLTAIC SYSTEM SUBMITTAL CHECKLIST

(For residential on or off grid systems with or without battery storage or generator)

- △ Site plan showing roof or ground mounted system. 2 copies Ground mounts must meet setbacks for detached accessory buildings.
- △ Floodplain approval (if applicable).
- △ PV equipment layout (include arrays, conduit trench, combiner/junction box, inverters, batteries, charge controller, generator, transfer switch, disconnects, meter, sub & service panels). 2 copies
- △ 1 and 3 line electrical diagrams **with** required labeling noted. 2 copies
- △ Array wiring diagram and layout 2 copies
- △ Cut sheet and listing for modules, combiner, inverter, ac and dc disconnects. 2 copies
- △ Manufacturer's install manual or manufacturer's detail or specifications on module attachment and module grounding, inverter mounting and clearances. 2 copies
- △ Provide load calculations if main breaker is to be de-rated. 2 copies

System with batteries and/or generator:

- △ Cut sheet for batteries. 2 copies (**Battery conductors must be NEC approved**)
- △ Cut sheet for battery storage container or racking if applicable. 2 copies
- △ Cut sheet and listing for battery charge controller. 2 copies
- △ Cut sheet (2 copies) and installation manual (1 copy) for generator and transfer switch.

Roof mounted system: (*dc ground fault protection required*)

- △ Signed waiver for installation on an existing building. For new manufactured homes, the Office of Manufactured Housing requires the home's manufacturer be contacted to determine if and how modules may be installed. Provide manufacturer's approval.
- △ Roof framing information (mfg trusses, rafter sizes & spacing). Contact office for specific requirements if installation is to be on an existing manufactured home.
- △ Weight of array with mounting system in psf and point loads (structural engineering may be required due to excessive psf and/or point loads or if other unique circumstances deem it necessary)
- △ Approximate age of building and roofing type (asphalt shingle, clay tile, metal)
- △ Installation manual (1 copy) or engineered detail (2 copies) of module support attachment to roof framing members and method of sealing roof penetrations.
- △ *****MODULE SUPPORT/RACKING AND SUPPORT BONDING/GROUNDING INSPECTION REQUIRED PRIOR TO MODULE INSTALLATION*****

Ground mounted system:

- △ Weight of array in psf and point loads including mounting system.
- △ Detail of engineered or manufacturer's array support, framing members, foundation posts and footings. 2 copies (footings must meet frost depth requirement)
- △ Array height above grade noted on plans.
- △ Energized parts operating at 50 volts or more shall be guarded against accidental contact by approved enclosures.

These are minimum submittal requirements. Additional documentation or engineered plans may be required if necessary. PV system design and installation must comply with the 2011 NEC or newer and manufacturer's requirements. Compliance with any requirements of the utility provider is the responsibility of the system designer and the installer.