

Solar PhotoVoltaic System Installation/Permit Application Requirements

- Approval by Planning Department.
- Approval by Electrical utility provider.
- Properties located within the Historic District must be approved for a Certificate of Appropriateness.
- Qualified installer (licensed electrician) or equivalent.
- Shall meet all the requirements of the 2011 NEC.

NOTES: Plumbing vent termination is not allowed to remain under solar installations. Vent termination to be protected or relocated, as per the International Plumbing Code:

To Submit with Permit Application:

- 1.) Site Plan – location, aerial view.
- 2.) PV Panel Array Plan – dimensions, location of photovoltaic panel array.
- 3.) Location of Equipment with elevations – Provide listings of all equipment:
 - a) Combiner
 - b) Inverters
 - c) Disconnects & over current protection
- 4.) Calculation requirements:
 - d) Roof Load Calculations
 - e) Wind Load Calculations
 - f) Point Load Calculations
 - g) Uplift
 - h) Connector type and specs
 - i) Mounting details
- 5.) Array wiring diagram: show specific wiring sizes, wiring types to J-Box.
- 6.) DC to AC wiring diagram for equipment: show wiring sizes, types & locations.
- 7.) Equipment labeling required as per the 2011 NEC.

- 8.) All PV systems over 10KW are required to be engineered and wet sealed. Provide a minimum of 2 copies with permit application.
- 9.) Solar collectors mounted in a yard must be installed in the back yard, cannot exceed eight (8) feet in height and cannot be visible from a public street.
- 10.) Solar collectors mounted on the roof:
 - a) Can't be mounted in such a way that any portion sits higher than the highest point of the roof pitch or gable on which it's mounted.
 - b) If mounted on the street-facing side of a roof, it must be mounted flush with the roof.
 - c) Must have all components servicing the collector panels concealed and all exposed metal camouflaged to match the house.
- 11.) All transfer wiring shall be located underground.
- 12.) Utility boxes or cabinets must be located underground or otherwise screened from view.
- 13.) Once the solar collector goes out of use, it must be removed within one (1) year.
- 14.) A solar collector which does not meet these regulations or a solar collector intended for commercial use must be approved for a Special Use Permit by City Council.
- 15.) The solar collector must be used only for the powering of the house or building it services. Unused or incidental power may be legally sold back to the power company.