This information bulletin is published to guide applicants through a streamlined permitting process for solar photovoltaic (PV) projects 10 kW in size or smaller. This bulletin provides information about submittal requirements for plan review, required fees and inspections.

1. Approval Requirements

The following permits are required to install a solar PV system with a maximum power output of 10 kW or less:

a) Combination Building/Electrical Permit.

Planning review is not required for solar PV installations of this size. Fire Department approval is not required for solar PV installations of this size.

2. Submittal Requirements

a) Completed permit application form. This permit application form can be downloaded at www.simivalley.org.

b) Demonstrate compliance with the eligibility checklist for expedited permitting.

c) A completed Standard Electrical Plan. The standard plan may be used for proposed solar installations 10 kW in size or smaller. (PV Toolkit Documents #3 and #4)

If standard electrical plans are not provided for use, an electrical plan should be submitted that includes the following.

- Locations of main service or utility disconnect
- Total number of modules, number of modules per string and the total number of strings
- Make and model of inverter(s) and/or combiner box if used
- One-line diagram of system
- Specify grounding/bonding, conductor type and size, conduit type and size and number of conductors in each section of conduit
- If batteries are to be installed, include them in the diagram and show their locations and venting
- Equipment cut sheets including inverters, modules, AC and DC disconnects, combiners and wind generators
- Labeling of equipment as required by CEC, Sections 690 and 705
- Site diagram showing the arrangement of panels on the roof or ground, north arrow, lot dimensions and the distance from property lines to adjacent buildings/structures (existing and proposed)

d) A roof plan showing roof layout, PV panels and the following fire safety items: approximate location of roof access point, location of code-compliant access pathways, PV system fire classification and the locations of all required labels and markings. Examples of clear path access pathways are available in the State Fire Marshal Solar PV Installation Guide.

For more information visit: http://osfm.fire.ca.gov
e) Completed expedited Structural Criteria along with required documentation. Structural Criteria can be found in PV Toolkit Document #5. A full explanation of the methods and calculations used to produce these criteria can be found in the Structural Technical Appendix for Residential Rooftop Solar Installations, which is available at [http://www.opr.ca.gov/docs/Solar_Strucutral_Technical_Appendix.pdf](http://www.opr.ca.gov/docs/Solar_Strucutral_Technical_Appendix.pdf).

For non-qualifying systems, provide structural drawings and calculations stamped and signed by a California-licensed civil or structural engineer, along with the following information:

- The type of roof covering and the number of roof coverings installed
- Type of roof framing, size of members and spacing
- Weight of panels, support locations and method of attachment
- Framing plan and details for any work necessary to strengthen the existing roof structure
- Site-specific structural calculations
- Where an approved racking system is used, provide documentation showing manufacturer of the rack system, maximum allowable weight the system can support, attachment method to the roof or ground and product evaluation information or structural design for the rack system

3. Plan Review

Permit applications can be submitted to Building & Safety Division in person at 2929 Tapo Canyon Road, Simi Valley, CA. All plans must be clear and legible using fonts of appropriate size.

Permit applications should be reviewed in three working days. Permit applications utilizing the standard plans may be approved “over-the-counter”. To utilize the “over-the-counter” process, an appointment with the plan reviewer is necessary to review the required documents. Appointments can be made by calling Building & Safety at (805)583-6723. “Over-the-counter” plan reviews are done on Mondays and Wednesdays between 8:00 and 10:00 am.

4. Fees

For systems utilizing the standard plan, the fees are as follows:

The plan check fee for Solar Photovoltaic Systems and Hot Water Systems will be based on an hourly rate, with a minimum charge of one hour.

For Solar Photovoltaic Systems, the permit fees will be as follows:
The mounting system will be based on the minimum building permit fee.
Strong Motion Tax and CBSC fees also apply.

For Hot Water Systems, the permit fees will be as follows:
The mounting system will be based on the minimum building permit fee.
Strong Motion Tax and CBSC fees also apply.

Fees will not exceed $500.00 for systems utilizing the standard plan specified in the toolkits. Plan check fees and permit fees will be collected when the permit is issued. If the project is abandoned, the plan check fee is due. If more than one inspection is required or requested, a re-inspection fee will be applied.

5. Inspections

Once all permits to construct the solar installation have been issued and the system has been installed, it must be inspected before final approval is granted for the solar system. On-site inspections can be scheduled by contacting the Building and Safety’s inspection request line at (805)583-6373. Inspection requests received by 4:00 pm are typically scheduled for the next business day. If next business day is not available, the inspection will occur as soon as possible.
Permit holders must be prepared to show conformance with all technical requirements in the field at the
time of inspection. The inspector will verify that the installation is in conformance with applicable code
requirements and with the approved plans. Approved plans must be on the job site and accessible to the
building inspector, otherwise a re-inspection fee will apply.

The inspection checklist provides an overview of common points of inspection that the applicant
should be prepared to show compliance. If not available, common checks include the following.

- Number of PV modules and model number match plans and specification sheets number match plans and specification sheets.
- Array conductors and components are installed in a neat and workman-like manner.
- PV array is properly grounded.
- Electrical boxes are accessible and connections are suitable for environment.
- Array is fastened and sealed according to attachment detail.
- Conductor’s ratings and sizes match plans.
- Appropriate signs are properly constructed, installed and displayed, including the following.
  - Sign identifying PV power source system attributes at DC disconnect
  - Sign identifying AC point of connection
  - Sign identifying switch for alternative power system
- Equipment ratings are consistent with application and installed signs on the installation, including the following.
  - Inverter has a rating as high as maximum voltage on PV power source sign.
  - DC-side overcurrent circuit protection devices (OCPDs) are DC rated at least as high as maximum
circuit protection devices (OCPDs) are DC rated at least as high as maximum voltage on sign.
  - Switches and OCPDs are installed according to the manufacturer’s specifications (i.e., many
700VDC switches require passing through the switch poles twice in a specific way).
  - Inverter is rated for the site AC voltage supplied and shown on the AC point of connection
  - OCPD connected to the AC output of the inverter is rated at least 125% of maximum current
  on sign and is no larger than the maximum OCPD on the inverter listing label.
  - Sum of the main OCPD and the inverter OCPD is rated for no more than 120% of the bus bar
    rating.

6. Departmental Contact Information

For additional information regarding this permit process, please consult our departmental website at
www.simivalley.org or contact Building and Safety at (805)583-6723.