Town of Apple Valley

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Building & Safety

ELIGIBILITY CHECKLIST FOR ROOFTOP SOLAR PV FOR ONE AND TWO-FAMILY UNDER 10KW

GENERAL REQUIREMENTS

A. System size is 10 kW AC CEC rating or less.	☐Y	☐N
B. Solar array is roof-mounted on one- or two-family dwellings or accessory structures.	☐Y	☐N
C. Solar panel/module arrays will not exceed the maximum legal building height.	☐Y	☐N
D. Solar system is utility interactive and without battery storage.	☐Y	☐N
E. Permit application is completed and attached.	☐Y	☐N
F. Solar system shall be placed on an approved permitted structure.	☐Y	☐N
G. 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 & proposed	☐Y	☐N

ELECTRICAL REQUIREMENTS *(provide a single line diagram to include items A thru E)*

A. No more than four photovoltaic module strings are connected to each Maximum Power Point Tracking (MPPT) input where source circuit fusing is included in the inverter.	☐Y	☐N
1) No more than two strings per MPPT input where source circuit fusing is not included	☐Y	☐N
2) Fuses (if needed) are rated to the series fuse rating of the PV module.	☐Y	☐N
3) No more than one non-inverter-integrated DC combiner is utilized per inverter.	☐Y	☐N
B. For central inverter systems, no more than two inverters are utilized.	☐Y	☐N
C. PV system is interconnected to a single-phase AC service panel of nominal 120/220 VAC with a bus bar rating of 225 A or less.	☐Y	☐N
D. The PV system is connected to the load side of the utility distribution equipment.	☐Y	☐N
E. A Solar PV Standard Plan and supporting electrical calculations is completed and attached.	☐Y	☐N
F. Licensed C-10 or C-46 Contractor may prepare and sign PV plans only if they are performing the work, otherwise plans shall be prepared by a licensed California civil engineer.	☐Y	☐N

STRUCTURAL REQUIREMENTS

A. Structural criteria, pursuant to CBC 1603.1, and supporting documentation is attached.	☐Y	☐N
B. Note on plans: Engineer of Record (EOR) shall provide a structural observation report that identifies any deficiencies that, to the best of the structural observer's knowledge, have not been resolved pursuant to CBC 1704.5.1.	☐Y	☐N
C. Roof covering shall be Class A, in a non-deteriorated state and no more than two roof layers pursuant to CBC1506.3.	☐Y	☐N
D. Installation of PV racking and standoffs are in compliance with Table 1 & 2 or Part 3 of PV Tool Kit for standoff spacing and roof rafter spans.	☐Y	☐N

FIRE SAFETY REQUIREMENTS

A. Clear access pathways to the structure are provided.	☐Y	☐N
B. Fire Classification solar system is provided.	☐Y	☐N
C. All required markings, warning signs and labels are provided.	☐Y	☐N
D. A diagram of the roof layout of all panels, modules, 3'-0" clear access pathways and approximate locations of electrical disconnecting means and roof access points is completed and attached.	☐Y	☐N
E. Provide screening or approved alternate to prevent debris from collecting under the panel array	☐Y	☐N

Notes:

1. *These criteria are intended for expedited solar permitting process.*
2. *If any items are checked NO, revise design to fit within Eligibility Checklist, otherwise permit application will be subject to the standard process.*