

Woodside Fire Protection District

Prevention Division



POLICY INTENT NOTICE

In accordance with section 101.3 of the California Fire Code: For subjects not specifically covered by the code, as deemed necessary for firefighter safety and suppression activities, the Woodside Fire Protection District, as of June 1st 2007, does hereby formally accept article 690 of NFPA 70 National Electric Code. This standard identifies and indicates safe installation practices of Solar PV systems. All sections of 690 that relate to safe installations practices, usage, storage and safety parameters shall be adhered to. To further include additional safety requirements and to clarify installation requirements, The Woodside Fire Protection District will also include the following standards for all Solar PV installations

1. There will be a minimum of 36” of walking space around the perimeter of Solar array’s installed on roofs.
2. Ground mounted Solar arrays will be erected in areas clear of combustible vegetation. A minimum vegetation clearance or mowed perimeter of 10’ shall be maintained.
3. All Solar conduits, interior or exterior, will be permanently labeled with fade resistant material: CAUTION: “Solar PV” Caution May Remain Energized After Disconnection During Daylight Hours”.
(see attached signage req)
4. Battery storage in enclosed rooms to be mounted a minimum of 24” above floor. If contained within cabinet a permanent placard to be posted.
5. Permanent placard installed on exterior and interior of main electrical panel stating CAUTION: “Solar PV System Installed. When Power Disconnected Solar Panels And Wiring May Remain Energized During Daylight Hours”
6. All disconnects shall be accessible to fire department and located together when possible.
7. A separate emergency disconnect on roof to disconnect solar panels from interior and exterior wiring running to inverter. This disconnect must be permanently labeled, in fade resistant material, “Emergency Disconnect”

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SIGNAGE REQUIREMENTS FOR SOLAR PV SYSTEMS

Two forms of signage are required for Solar PV Systems. Permanently affixed labels should have a white background with red lettering. Printed material should resist fading. Size of lettering should be equal to the example below.

1. Exterior/Interior Conduit signage:

To be installed every 20'. For vertical conduit a minimum of 1 label to be affixed at eye level.

CAUTION Solar PV Wiring May Remain Energized After Disconnection During Daylight Hours.

2. Exterior/Interior of Electrical Panel signage:

CAUTION

Solar PV System Installed. When Power Disconnected Solar Panels And Wiring In Conduit To Inverter May Remain Energized During Daylight Hours.

Fire Chief _____ Date _____

Fire Marshal _____ Date _____