



# CITY OF WEED

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## REQUIRED ELIGIBILITY CHECKLIST FOR EXPEDITED ROOFTOP RESIDENTIAL SOLAR FOR 10 KW OR LESS

### GENERAL REQUIREMENTS \*

A. System size is 10 kW AC CEC rating or less. Yes  No

B. The solar array is roof-mounted on permitted one- or two-family dwelling built after 1970 or permitted accessory structure serving such dwelling(s) with permitted electrical services. Yes  No

C. The solar panel/module arrays will not exceed the maximum legal building height. Yes  No

D. Solar system is utility interactive and without battery storage. Yes  No

E. Permit application is completed and attached if submitting in the office (over the counter). Note: If submitting in the office two (2) sets of plans are included that are of 11 X 17 minimum size. Plans shall include a site map drawn to scale (minimum 1:20), arrow indicating true north, roof plans showing module locations and layout, required Fire Department setbacks (see attached schedule). Show main service location, A/C disconnect, inverter, combiners, and all equipment for the system and locations for the equipment. For further information on solar, go online to: <http://www.cityoffredding.org/departments/developmentservices/building/building-handouts> Yes  No

F. Provide manufacturer's installation and grounding instructions for modules Yes  No

G. Provide manufacturer's specification (cut sheets) for all components, but not limited to: 1. Modules; 2. Inverter; 3. Micro-inverter; 4. Power Optimizers; 5. Mounting/racking systems Yes  No

### ELECTRICAL REQUIREMENTS\*

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. Yes  No   
1. No more than two strings per MPPT input where source circuit fusing is not Included. Yes  No   
2. Fuses (if needed) are rated to the series fuse rating of the PV module Yes  No   
3. No more than one non inverter-integrated DC combiner is utilized per inverter Yes  No

B. For central inverter systems: No more than two inverters are utilized. Yes  No

C. The 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. Yes  No

D. The PV system is connected to the load side of the utility distribution equipment. Yes  No

E. One-line or three line electrical drawings. Yes  No

F. Electrical system string calculations. Yes  No

G. Have PV system breaker connected to bussing at opposite end of utility feed. Yes  No

H. Show required A/C disconnect within 10' of meter and within sight of meter. Yes  No

### **STRUCTURAL REQUIREMENTS\***

A. Roof mounted system with engineered trusses at max. 24" o.c. Yes  No

B. Provide dimensioned rack and anchor layout with attachment points at max.4' spacing, staggered, so each truss receives load evenly. Yes  No

C. Modules and racking is listed as a Class A roofing assembly if located in a high fire hazard area. Yes  No

*\*These criteria are intended for expedited solar permitting process. If any items are checked NO, revise design to fit within Eligibility Checklist, otherwise permit application may go through standard process.*