STREAMLINED SOLAR CHECKLIST

CITY OF MERCED COMMUNITY DEVELOPMENT/INSPECTION SERVICES
BUSINESS PHONE: (209)385-4773
INSPECTION REQUEST- 24 HOUR RECORDER: (209)723-2489

This checklist must be completed by the contractor or an authorized agent of the contractor in order to determine if the roof top solar project is eligible for streamlined solar permitting.

GENERAL REQUIREMENTS:

System size is 10 kW AC CEC rating or less. YES ☐ NO ☐
The solar array is roof-mounted on one- or two-family dwelling. YES ☐ NO ☐
The solar system is utility interactive and without battery storage. YES ☐ NO ☐
Installation of the system will not require any excavation more than 10 feet from the structure the solar panel/module arrays are mounted on. YES ☐ NO ☐
A minimum clear space of three feet is provided on the control side of roof mounted HVAC equipment. YES ☐ NO ☐

ELECTRICAL REQUIREMENTS:*

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 ☐
No more than two strings per MPPT input where source circuit fusing is not included. YES ☐ NO ☐
Fuses (if needed) are rated to the series fuse rating of the PV module. YES ☐ NO ☐
No more than one noninverter-integrated DC combiner is utilized per inverter. YES ☐ NO ☐
For central inverter systems: No more than two inverters are utilized. YES ☐ NO ☐
The PV system is connected to the load side of the utility distribution equipment. YES ☐ NO ☐
A Solar PV Standard Plan and supporting documentation is completed and attached illustrating disconnects, AC/DC, wiring sizing, panel size. YES ☐ NO ☐

***VERIFIED BY CONTRACTOR'S SITE AUDITOR OR AUTHORIZED SITE AUDITOR**

1. Size of existing service main:
   ☐ 200 amp ☐ 125 amp ☐ 100 amp ☐ other please specify _____
2. Will the service main be upgraded and / or replaced? Yes ☐ No ☐
3. Size of new service main:
   ☐ 200 amp ☐ 125 amp ☐ 100 amp ☐ other please specify _____

ROOF REQUIREMENTS:

***VERIFIED BY CONTRACTOR'S SITE AUDITOR OR AUTHORIZED SITE AUDITOR**

1. The roof has a single roof covering without a reroof overlay. YES ☐ NO ☐
2. Has the roof structure been verified to be structurally sound, without signs of alterations or significant structural deterioration or deflection? YES ☐ NO ☐
3. Roof Structure Data:
   a) Measured roof slope (e.g. 6:12): _____
   b) Measured rafter spacing (center to center): _____
   c) Type of roof framing (rafter OR manufactured truss) Rafter☐ Truss☐

FIRE SAFETY REQUIREMENTS:

Access pathways at least three feet in width are provided on hip roofs from the eave to the ridge. Panels shall be located at least 18 inches from a hip or valley if located on both sides of a hip or valley. YES ☐ NO ☐

Access pathways at least three feet in width are provided between multiple arrays. YES ☐ NO ☐

To allow for smoke ventilation there is a minimum of three feet between the ridge and the panels. YES ☐ NO ☐

There are no conductors within the three foot area between the panels and the ridge which are closer than 12 inches of the roof sheathing. YES ☐ NO ☐

The panel fire classification is provided and meets the rating required for the structure. YES ☐ NO ☐

The plans include a sheet showing the location and verbiage of the required labels YES ☐ NO ☐

SOLAR ARRAY REQUIREMENTS:

Is the distance between the underside of modules and the roof surface at least two inches but not greater than 10 inches? YES ☐ NO ☐

Is the plane of the modules (panels) parallel to the plane of the roof? YES ☐ NO ☐

The layout of the modules is designed to not overhang any ridges, hips, gable ends and eaves. YES ☐ NO ☐

Has the weight of the modules plus support components been verified to weigh no more than: 4 psf for photovoltaic arrays or 5 psf for solar thermal arrays? YES ☐ NO ☐

Are the support component manufacturer's project-specific worksheets and tables completed with relevant information identified? YES ☐ NO ☐

Is a roof plan of the module and anchor layout included in the plans? YES ☐ NO ☐

For additional measures refer to the California Solar Permitting Guidbook, Toolkit Document #5

PERMIT ISSUANCE REQUIREMENTS:

If any items are checked NO, the project is not eligible for streamlined solar permitting and must go through the standard application process.

AGREEMENT:

As the responsible contractor site auditor or authorized site auditor agent for the project I understand that I am responsible for the accuracy of all information provided in this application. I also understand that revisions to this project will result in a revised application and plan review submitted to the building department which will not be eligible for expedited solar permit issuance. Further review or inspections may result in additional Plan review and/or Inspection fees.

Contractor/Authorized Agent Name: _____

Contractor/Authorized Agent Signature: _____Date:_____

NOTES and OTHER INFORMATION: