

Required Submittals for Solar Panel Systems

Project Site Address: _____

Type of Solar System Being Proposed:

A. Photovoltaic _____

Type of Inverter:

_____ Grid Tie Inverter: PV System tied directly to the electrical grid (Remote Disconnect Required for Fire Personnel)

_____ Off Grid Inverter: PV System is stand alone or off electrical grid (Remote Disconnect Required)

_____ On/Off Grid Inverter: PV is tired to the electrical grid and has battery backup (Remote Disconnect Required)

B. Thermal: _____

The Location of Solar Panel System:

A. _____ Ground Mounted

(Provide a plan showing the location that the panel are installed on the roof following the latest edition of the International Fire Code requirements.)

B. _____ Roof Mounted

(Provide a plan showing the location that the panels are installed on the roof following the latest edition of International Fire Code requirements.)

Required Submittals to be Included with the Construction Drawings (Item 2.B. previous page):

1. Provide a copy of the complete cut-sheets of the system to be installed.
2. Provide wiring diagrams of the systems showing the interior/exterior locations of the automatic disconnect for ComEd and the remote disconnect for the fire district. These disconnects are to be marked per the 2011 NEC requirements. Indicate the locations of the plaques and directories required per the 2011 NE requirements (Article 690 and 705)
3. Indicate if the system contains an automatic disconnect if the grid system loses power. If the system contains batteries it will have to have a remote disconnect accessible by the fire district to prevent back-feeds to the rest of the electrical system during an emergency.
4. Provide a copy of the application for the required Interconnect Agreement from ComEd (Appendix B).
<https://www.comed.com/customer-service/rates-pricing/interconnetion/Pages/transmission.aspx>
5. Provide a floor plan of the location the electrical panel/s will be installed in the structure or a utility room.
6. Provide the location of the new wiring for the panel/s. Indicate whether the wiring is on the exterior or interior of the structure and that it will be installed per the 2011 NEC.
7. Does this installation contain a storage battery system? If it does, supply the installation requirements for the batteries and the location of the batteries per the 2012 IBC/IRC.
8. For a roof-mounted system, provide a review of the existing structure, the panels, and the panel anchorage by a State of Illinois licensed architect or structural engineer. This review is to be based on the requirements of the 2012 IBC/2012 IRC (whichever is applicable).