SOLAR POWER HANDOUT
INFORMATION REQUIRED FOR PERMIT APPLICATION
(PLEASE RETURN THIS HANDOUT TO THE KANE COUNTY BUILDING DIVISION)

Date: ______________________

Owner _________________________________                Commercial Use (2012 IBC)
Parcel number __________________________                 Residential Use (2012 IRC)
Installation Co.: _________________________   Contact Name: __________________________
Address: _______________________________   City, State: _____________________________
Phone No: _____________________________

References: 2012 International Residential Code/2012 International Building Code, Kane County
Zoning Ordinance, Kane County Water Resources Ordinances.

1. Permit application must be completed.
   A. New structures and existing structures with remodeling/additions
      1. Complete both side of the application.

2. Two copies of the construction documents for all structures to be erected on premise. All
   construction documents are to be sealed by an Illinois licensed architect or structural engineer, as
   applicable and dated. Construction documents will include complete drawings and specifications
   of all new and existing conditions. Each copy should include the following:

   A. One copy of the sealed structural layouts, foundations, sections, and calculations for the
      Solar Panel System. Design drawings to be submitted with permit application.

   B. One copy of each of the required submittals. (see next page)

3. Three copies of the site improvement plans, including all lot lines, building set backs, existing
   structures, parking layouts, landscaping plan/privacy fence, septic tank and field location, well
   location, and general grading.

4. Plat of survey of the property involved.

5. Answer questions where indicated below:
   A. Detailed explanation of the use of the structure (Section 1.1 Kane County Zoning Ordinance)
      (height of the Solar Panel/s) (highest point) _________________

   ____________________________________________________________________

________________________________________________________________________
________________________________________________________________________
Required Submittals for Solar Panel Systems

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 tied to the electrical grid and has battery backup (Remote Disconnect Required)

B. Thermal: ______

The Location of Solar Panel System:

A. ______ Ground Mounted

(Provide 3 copies of the site plans showing the distances to all buildings, and the set-backs to all property lines, and location of well and septic.)

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 Include 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 system showing the interior/exterior locations of the automatic disconnect for COM ED and the remote disconnect for fire department. These disconnects are to be marked per the 2011 NEC requirements. Indicate the locations of the plaques and directories required per the 2011 NEC 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 department, to prevent back-feeds to the rest of the electrical system during an emergency.


5. Provide a letter from the servicing fire department that they have reviewed and approved the installation of the system per their ordinances. The fire department should also give their approval of any required remote disconnects.

6. Provide a floor plan of the location the electrical panel/s will be installed in the structure or a utility room.

7. Provide the location of the new wiring for the panels. Indicate whether the wiring is on the exterior or interior of the structure and that it will be installed per the 2011 NEC.

8. 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.

9. 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 (which every is applicable).