



Kathi Urban, Director

COUNTY OF PEORIA
DEPARTMENT OF PLANNING & ZONING

PEORIA COUNTY COURTHOUSE • ROOM 301
324 MAIN STREET • PEORIA ILLINOIS 61602-1313
TELEPHONE (309) 672-6915 • FAX (309) 672-6075 • TDD: (800)526-0844
WEBSITE: <http://www.peoriacounty.org>

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RESIDENTIAL SOLAR PANEL
PERMIT & INSPECTION GUIDE

PERMIT REQUIREMENTS:

A Building permit and Electrical permit are required for the installation. Requirements apply to all types of solar energy equipment. Properties located in the Floodplain will be subject to additional requirements. Please submit **3 hard copies** of the following information and drawings:

DRAWING SUBMITTAL REQUIREMENTS:

When equipment is to be installed on an existing structure, include a letter from a structural engineer or architect indicating that the existing structure is sufficient to support the new loads associated with the additional weight and wind resistance (minimum 90 mph wind speed design).

Structural plans designed and sealed by an Illinois Professional Engineer or Illinois Licensed Architect for securing the panels to the existing structure, or to a new foundation or structure.

Electrical solar panel work shall comply with NEC Article 690, and the panels shall comply with UL Standard 1703.

Provide installation instructions and specifications on equipment and framing structures.

At minimum, the following shall be indicated on the plans (including a site or roof plan) to be confirmed during the inspection:

- Panel Layout and maximum height
- Mounted Structure & Anchors
- Roof Penetrations
- Grounding Points
- Conductor Size & Type
- Conductor Insulation Type
- Over Current Protection
- Charge Controllers
- Disconnect Size & Type
- Inverter Size & Type
- Battery(ies) Size & Type
- One-Line Diagram including earth grounding

Please do not submit payment until plans have been approved. The contact person listed on the application will be notified when the permit is ready to be paid for and picked up.