

# **PHOTOVOLTAIC SYSTEMS**

General Requirements for Building Permit Application  
(Town of Claverack, Village of Philmont)

## **A. REQUIREMENTS FOR ROOF MOUNTED SYSTEM:**

1. An engineer or architect report verifying roof will support the system load.
2. Electrical schematic showing main system components and where they are physically located (including any batteries).
3. Description of cable routing from the PV array to the external DC disconnect.
4. Cable/conduit runs below the roof to be at least 18 inches from underside of the roof.
5. Simple plot plan showing which building on the property is being used.
6. Roof mount plan to show minimum of three foot walking space at peak and both sides of the roof.

## **B. REQUIREMENTS FOR POLE MOUNT OR REMOTE MOUNT SYSTEM:**

1. Electrical schematic showing main system components and where they are physically located, including batteries (if included in the installation).
2. DC disconnect to be located externally (and labeled) as near the utility meter as possible.
3. If DC disconnect cannot be located within six feet of the utility meter, a label at the meter will indicate the location of the external disconnect, which shall also be labeled.
4. Remote arrays should also have a DC disconnect at the location of the array. Some remote arrays may be roof mounted on a different building than the one using the power from the array.
5. Description of cable routing from the PV array to the exterior DC disconnect on the building using the power.
6. Scaled drawing showing location of buried cables.
7. Plot plan (which may include items 5 & 6) showing where property lines are in relation to the pole mount or remote system. All buildings on the property shall be shown.

## **C. GENERAL:**

1. Installation will comply with the Building Code of New York State and the National Electric Code.
2. Labels shall be permanent type.
3. Additional information may be requested for unusual installations.
4. An approved electrical inspector must inspect the installation.

The above information is intended to permit a complete plan review in order to determine compliance with Building Code and Zoning Law requirements.