



HILLTOWN TOWNSHIP

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Requirements For Residential Solar Electric Applications

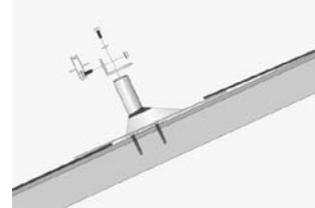
There are two types of Solar Array installations that the Hilltown Township Permits Office most often reviews,- ground based arrays, and roof based arrays. Each system has some similar, and some different, submission requirements.

For all Solar Electric System applications the following information/documentation must be submitted:

- A completed Residential Building Permit Application.
- Two copies of approved Electrical Drawings. The approval should be job specific and bear the *original ink* signature of the Pennsylvania licensed electrical plan reviewer, his or her certification number and the code version that the plan has been reviewed to.

For Roof Based Systems, the following is also required:

- On most roofs, “Stand-offs” are required. A stand-off is a “leg” that elevates the panel mounting system up off the roof.
- A statement from a Pennsylvania licensed engineer or architect certifying that the receiving roof structure will adequately support the proposed system, as well as the required 30 psf ground snow load.
- Cut sheets and/or manuals for the roof mounting hardware; this paperwork should include notes and/or certifications stating that the stand-off and rack system will withstand a minimum 90 mph wind.



For Ground Based System, the following is required:

- A Zoning Permit Application and Plot Plan (see “Plot Plan Requirements” on the Hilltown Township Code Enforcement Page). Because the ground based array is an accessory structure, the array must meet the applicable setbacks for the zoning district.
- A trenching detail for running the electrical conductor from the solar array to the receiving structure.
- A footing detail for the proposed post or rack system.
- A certification from a licensed engineer, or manufacturer’s literature, verifying that the ground based mount system will withstand a 90 mph wind.

Please be advised that this document is meant a general guide for submission requirement to Hilltown Township. It is possible that in some instances additional information will be required.