



Solar Photovoltaic System- Checklist

*All Photovoltaic systems shall be designed and installed in accordance with the 2018-IRC, NFPA 70 and the manufacturer's specifications.

- Building Permit Application & Fees
- Technical Permit Application & Fees
- Written and/or approval from ML&P or DMEA for electrical service.
- Engineer analysis and approval for structural installation.
- Roof plan clearly identifying system components, layout and code required access pathways. Site plan, with setbacks dimensions from property lines for ground mounted system.

- Electrical Plans: One-line electrical diagram showing the locations of all major components:
 - Number and wattage of modules
 - System type- Stand-alone, Multimode, or Interactive
 - Conductor size, type and number of wires per conduit (Including grounds)
 - Grounding electrode conductor size and location
 - Conduit type and size
 - AC disconnect- amperage, voltage, fuse size/type
 - DC disconnect- amperage, voltage, fuse size/type
 - Rapid shutdown control NEC Article 690.12
 - Panel bus bar amperage rating





_____ Electrical data sheets on all listed components as applicable:

- Modules
- Invertors
- Combiner Boxes
- Charge Controller
- Batteries- ESS Energy Storage System
- Generators
- Wind Turbines
- Fuel Cells
- Mounting Specifications & Hardware

