ALTERNATIVE ENERGY SYSTEMS

Along with the permit application, Please provide a basic single line drawing for the proposed alternative energy system along with product information for each piece of equipment to be installed. Once received, the information will be reviewed for compliance with the 2013 Residential Code of Ohio (RCO) and the 2011 National Electrical Code (NEC).

Basic single line drawing should include:

1. Equipment to be installed.
   (Power Source, Disconnects, Overcurrent Protection, Inverter, Charge Controller, Batteries, Distribution Panel(s), etc.)

2. Wiring methods used.
   (Conduit material size and type, Cable material size and type)

3. System Grounding.
   (Electrode(s), Conductor material size and type)

Product information should include:

1. Manufacturer contact information

2. Product specifications

All electrical equipment utilizing or conducting dc voltage/current must be rated/listed for the dc voltage/current being applied.

Systems utilizing battery storage must provide ventilation according to the manufactures recommendations for the area of the home where the batteries are kept.

Residential branch circuit overcurrent protection, wiring methods, and devises are to comply with the applicable provisions of the 2011 NEC

Refer to the following NEC articles for more information:

445 Generators
480 Storage Batteries
690 Solar Photovoltaic Systems
694 Small Wind Electric Systems
705 Interconnected Electric Power Production Sources

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