



Submittal Guidelines for Alternate Power Sources

The following items must be submitted to the inspector at least one week prior to requesting inspection: (Electronic PDF is preferred.)

- 1) Permit number and address
- 2) Basic site diagram identifying location of major components.
- 3) One-line electric diagram showing the locations of all field-installed components: type, size and number of wires in a conduit, including equipment grounds, grounding electrode conductor size and location, conduit type and size, AC/DC disconnects amperage, voltage and overcurrent protection sizes.
- 4) Provide busbar amperage rating and load calculation for panel receiving power from photovoltaic inverter(s) AC output.
- 5) Major component information:
 - a) Inverter make, model, AC/DC input/output amperage.
 - b) Module make, model, Isc, Voc, coefficients of Voc, wattage.
 - c) Combiner Box, make, model, and breaker DC voltage rating
 - d) Charge controller make, model and voltage, amperage and wattage
 - e) Battery make, model, voltage and 20A/hr rating
 - f) Lowest operating battery voltage, max cable length and size.
 - g) Battery short circuit current from the manufacturer.
 - h) Generator make, model, voltage, amperage, wattage, circuit breaker size.
 - i) Wind turbine make, model, voltage, amperage and wattage
- 6) Array information:
 - a) Number of series panel modules and max open circuit voltage
 - b) Number of parallel panels and max short circuit current
- 7) Mounting information:
 - a) Distance between roof and bottom of conduit.
- 8) System type: Stand alone, Hybrid, or Interactive
- 9) All systems and equipment must be listed for their specific use and installed within their listed temperature range or in a temperature controlled enclosure.
- 10) All equipment must be installed per the manufacturer's instructions.
- 11) Conductors in conduit and conduit fittings installed outdoors must be listed for use in wet locations.
- 12) Grounding terminals and hardware installed outdoors must be corrosion resistant.