



## Jackson Hole Fire/EMS

40 E Pearl Avenue

PO Box 901

Jackson, WY 83001

### **PV/ESS/WIND ELECTRICAL PLAN REVIEW REQUIREMENTS**

Electrical Plan Reviews are based on the currently adopted edition of the National Electrical Code (NEC). Submit electrical plans for review for all Photovoltaic (PV-Solar), Energy Storage System (ESS), Battery, Wind, any combination, or with a Bidirectional Electric Vehicle (EV) system. The following permits, specifications, drawings, and details shall be submitted.

1. **STOP:** A Building or Miscellaneous Permit is required prior to PV-Solar, ESS, Battery, and Wind plan reviews for the mentioned electrical installations.
2. Approved electrical plans and specifications of all electrical work are required prior to requesting an electrical permit.
3. The site plans to include the following:
  - a. Details and size of all new electrical equipment.
  - b. Ground mount array location(s), including number of PV-Solar modules, and rows.
  - c. Roof mount array location(s), including number of modules, rows, access pathways.
  - d. ESS/Battery location(s), battery size (kWh), type, number of batteries.
  - e. Wind: location, size, and type.
4. Single line diagram indicating all electrical equipment: including inverters, motor generators, PV modules, ac modules/systems, dc combiners, dc-to-dc converters, rapid shut down equipment, dc circuit controllers, panel boards, disconnects, conductors, panel schedules, automatic transfer switch, gateway, and all service equipment.
5. Labeling criteria diagram for all electrical equipment, and additional labeling requirements required by the NEC.
6. Details showing grounding electrodes, bonding of the grounding electrode system, and size of all grounding conductors.
7. Specifications to include requirements for:
  - a. Wire, cable, raceway, and conduit.
  - b. Electrical boxes, connections, fittings, and installation.
  - c. Electrical wiring devices.
  - d. Electrical identification.
  - e. Service details.
  - f. Overcurrent protection and grounding.
  - g. Array, panel, racking details.
  - h. Rapid shutdown.
  - i. Automatic Transfer Switch (ATS), Gateway.

**INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED**