



**Engineering Services**  
**State of the Art SOTA PLLC**  
[barthurr@cox.net](mailto:barthurr@cox.net), 808-938-0229

RENEWABLE ENERGY SYSTEM INFORMATION REQUEST

Congratulations on your decision to install a renewable energy system!

Below is a list of items that the engineer will need to complete the electrical drawings.

INFORMATION TO GIVE ENGINEER:

1. **Project TMK, address, owner name**
2. **Acceptance of Engineering Consulting Terms / Contract**
3. **Desired inverter and module name brand & model number (if known)**
4. **Proposed string count and module layout (with modules per string noted).**
5. **Site / General Layout which shows locations of PV modules, meter, electrical panel, and other electrical equipment.**
6. **Pictures of existing building and existing electrical equipment: meter, panel, main breaker, gear, transformer(s), conductors, ...**
7. **Present service size (main breaker amps/protection)**
8. **Panel and Meter frame / bus amperage**
9. **Conductor size between meter socket and main / panel.**
10. **Cut-Sheets of the inverter, PV modules, racking, and other materials**
11. **For complicated existing electrical systems, provide sketch of existing electrical: one-line**
12. **Any additional information that the engineer should consider – such as owner preferences.**
13. **Desired utility interconnection contract type – we will state this on the plans.**



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ITEMS TO CONSIDER:

1. **Consult the utility before designing or purchasing materials for a grid-tie energy system. Some utility circuits may not be open or may require a study for new energy system interconnections.**
2. **The Electrical Contractor will need to submit cut-sheets of the inverter, PV modules, racking, and other materials along with the electrical engineering drawings to the County when the permit is pulled.**
3. **Some islands may require mechanical/structural drawings (provided by others) in addition to electrical drawings.**
4. **Make sure that the inverter chosen is on the utility approved inverter list.**

Normally we can determine existing infrastructure from pictures, but we may need to talk with the electrical contractor who will be installing the energy system (if known).

Additional information about our services is available on our website <http://barthurr.com>

Thank you,

-Art Russell P.E.