



Engineering Services
State of the Art SOTA PLLC
barthurr@cox.net, 808-938-0229

NEW ELECTRICAL SERVICE INFORMATION REQUEST

Congratulations on your decision to have a new electrical service installed!
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. Underground or Overhead Service drop?**
- 4. Is Meter at Pedestal? Or, Is Meter at Building?**
- 5. What is the distance from the meter pedestal to the building (conduit run distance or pole feeder run distance)**
- 6. Site / General Layout which shows site plan and building footprint with locations of transformer/pole, meter, main(s), electrical panel, and any other item of interest. CAD files are preferred for complex site plans.**
- 7. Pictures of existing building and any existing electrical equipment: meter, panel, main breaker, gear, transformer(s), conductors, ...**
- 8. List all appliance loads which are electric (such as Range, Oven, Dryer, Water Heater, Air Conditioner, ...) also specify quantity of each and let us know if the water heater is "On Demand" or "Tank Type".**
- 9. List all appliances which are gas (such as Range, Oven, Dryer, Water Heater)**
- 10. For complicated existing electrical systems, provide sketch of existing electrical: one-line**
- 11. Any additional information that the engineer should consider – such as owner preferences.**
- 12. 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 an electrical service.**
2. **The distance from the meter to the building may require conductors to be upsized for long distance runs over 100 feet.**
3. **For Temporary Power, you may need the following: septic tank permit, building permit, HELCO account established by owner, and an electrical contractor to apply for the temporary power. Also, the HELCO ESIM manual provides temporary power requirements.**
4. **FOR HELCO services, consult the this web page:**
<https://www.hawaiielectriclight.com/for-businesses/manuals-and-engineering-specifications/>

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

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

Thank you,

-Art Russell P.E.