Sample Protected Agriculture Equipment Schedule

Hawaiian Electric

INSTRUCTIONS

- May be handwritten, on 8.5” x 11” paper
- Does not require an engineer’s stamp
- Should be simple, clear, and include all individual loads in wattage for a given electric meter:
  - » Amount of energy allocated to each activity
  - » Total energy for all activities
  - » Percentage of energy related to protected agriculture activities

PROTECTED AGRICULTURE EQUIPMENT SCHEDULE EXAMPLE					
Order	Description	Watts	# of Units	Hours Used Daily per Unit	Total Daily Use
1	Lighting	75	10	10	7,500
2	Water Heater	4,500	1	1.5	6,750
3	Refrigerator	780	1	8	6,240
4	Dehumidifier	600	1	5	3,000
5	Air Conditioner	800	1	4	3.200
6	Non-protected ag appliance use				5,000
Total connected load					**31,690**
Total connected load for protected ag activities					**26,690 = 84% total load**

Refer to Hawaiian Electric’s Energy Use Guide to approximate electric consumption:
https://view.hawaiianelectric.com/energy-tips-choices/page/26-27

ENERGY CALCULATION:

1. (Wattage* number of appliances)
   ** number of hours per day appliance/equipment is in use = total energy used per appliance/equipment per day*

2. Add all daily energy use for each appliance/equipment to get total energy load
   Total Load Calculation: (7,500 + 6,750 + 6,240 + 3,000 + 3,200 + 5,000) = 31,690

3. Add all daily energy use for each appliance/equipment related to protected agriculture activities
   Total Protected Agriculture Load Calculation: (7,500 + 6,750 + 6,240 + 3,000 + 3,200) = 26,690

4. Divide total protected agriculture energy load/by total energy load to get percentage of protected agriculture use
   Percentage of Load Related to Protected Agriculture: (26,690 / 31,690) = 84%

Highlight appliances/equipment related to protected agriculture activities