



Hawai'i Energy

PHOTOVOLTAIC WATER HEATING (PV WH) Residential System Sizing Verification (Form 1)

INSTRUCTIONS: Participating Contractor to complete all non-shaded areas. All shaded areas are for Official Use only. For questions, call (808) 537-5577.

IMPORTANT: PV system **must not be tied to the grid or a grid-tied battery system at any point** during the life of the system. Further, the system **must not have the capability or option to be connected to the grid at any time.**

PV collectors must be dedicated to solely power heating for the proposed system.

Customer: _____ Work Order #: _____

Contractor: _____

Phone: _____ Collector Access: ☐ One Story ☐ Two Story ☐ Other

Contact: _____ Tank Access: ☐ Locked ☐ Unlocked

Subcontractor(s) Used: ☐ Yes ☐ No If Yes, Name & Lic.#: _____

Location of Installation: (Oahu, Molokai, Lanai, Maui, Hawaii)

| SYSTEM DATA | | | Accepted | Denied |
|-------------|------------------------------------|-------------------------------------|----------|--------|
| 1 | Installation Reason | Burnout / Retrofit | | |
| 2 | Previous Water Heater Type | Electric / Heat Pump / Solar / None | | |
| 3 | Number of Residents/Occupants | | | |
| 4 | Sunshine Zone | 300 350 400 450 480 500 550 | | |
| 5 | Collector Manufacturer & Model No. | | | |
| 6 | Number of Collectors | | | |
| 7 | Collector Rated Watts output | | | |
| 8 | Collector Orientation | degrees (true) | | |
| 9 | Collector Mounting Method | flush / side tilt / end tilt | | |
| 10 | Collector Tilt | degrees | | |
| 11 | Actual Hot Water Storage | gallons | | |
| 12 | Back-Up Heating Type | Electric / Gas / Heat Pump | | |

Using the appropriate table below, check the number of residents and corresponding sunshine zone.
Use these to determine the corresponding number of PV collectors that qualifies for Program rebate.

Sunbandit

| Tank Size | Number of Residents | 550 | 500 | 480 | 450 | 400 | 350 | 300 |
|-----------|---------------------|-----|-----|-----|-----|-----|-----|-----|
| 80 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 80 | 3 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| 120 | 4 | 6 | 6 | 6 | 6 | 8 | 8 | 8 |
| 120 | 5 | 6 | 8 | 8 | 8 | 8 | | |
| 120 | 6 | 8 | 8 | 8 | | | | |

Table 1: PV collectors allowable for Sunbandit systems

SunEarth

| Tank Size | Number of Residents | 550 | 500 | 480 | 450 | 400 | 350 | 300 |
|-----------|---------------------|-----|-----|-----|-----|-----|-----|-----|
| 50 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 50 | 3 | 4 | 4 | 4 | 4 | | | |

Table 2: PV collectors allowable for SunEarth systems