



# 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